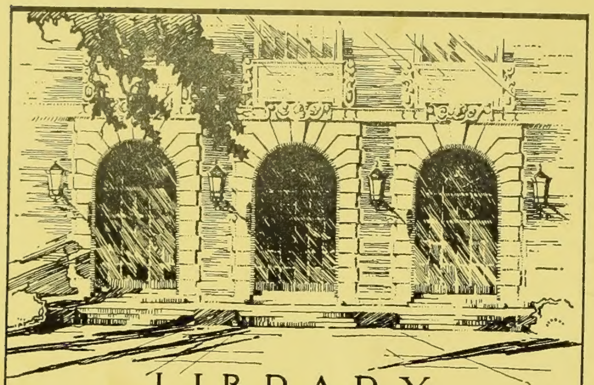

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXIX. PARKERSBURG, W. VA., JANUARY, 1921. No. 1.

GENERAL SUMMARY.

January was much warmer and drier than usual and free from cold periods. While the average January temperatures were higher during several years, the past January was referred to in all districts as one of the most pleasant winter months of record. The precipitation was favorably distributed. The snowfall averaged about one-half the normal and the ground was bare in the agricultural districts the most of the month. Winter grains were in good condition at the close of the month. The conditions were excellent for all outdooor work.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.21 and 30.22 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.96 inches on the 18th, and 29.66 inches on the 14th. Elkins, 30.95 inches on the 12th, and 29.58 inches on the 14th.

TEMPERATURE.

The monthly mean for the State, determined from 50 stations, was 35.5°. The departure from the normal for 45 stations having ten or more years of record was +3.3°. The temperature was much above the normal from the 1st to the 9th, 20th to the 24th, and on the 29th and 30th, with the highest readings occurring generally on the 1st, 4th, and 22d. The cold periods were on the 12 13th, 18-20th and 25-26th, with the lowest temperatures occurring generally on the 13th, 18th, and 19th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 72 per cent; 8 p. m., 67 per cent. The January averages for the same hours for the past 32 years are 83 and 77 per cent, respectively. Elkins, 8 a. m., 82 per cent; 8 p. m., 73 per cent. The January averages for Elkins for the same hours for the past 20 years are 85 and 78 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 68 stations, was 2.76 inches. The departure from the normal for 46 stations having ten or more years of record was −0.99 inch. The precipitation was heaviest over the central and northern counties and lightest over the eastern panhandle. Rain or snow occurred in most districts on the 1st-2d, 7-8th, 12-15th, 21st-23d, and 29th-31st, the greatest amounts being recorded on the 8th, 14th, 22d, and 30th. Light snow or snow flurries occurred on the 6th and 9th, light to moderate snow from the 11th to the 14th, moderate snow over the southeast counties on the 25-26th, and light snow or snow flurries on the 31st.

WIND.

The average wind velocity at Parkersburg was 6.3 miles per hour, or 0.3 mile below the January average for 31 years. The average at Elkins was 6.5 miles per hour, or 1.4 miles above the January average for 21 years. The highest velocity at Parkersburg was 36 miles per hour from the west on the 2d, and at Elkins 33 miles per hour from the west on the 16th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 40 per cent of the possible amount, or 12 per cent above the January average for 23 years. The average at Elkins was 37 per cent, or 8 per cent above the January average for 20 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bancroft, 29th; Bruceton Mills, 7th, 14th, 22d, and 30th; Cairo, 11th; Fairmont, 28th; Gary, 22d; Hinton, 11th, 22d, and 28th; Logan, 15th; Pickens, 31st; Smithfield, 30th and 31st; Wheeling, 3d, 4th, 9th, 10th, 11th, 13th, 24th, 27th, and 28th; Williamson, 1st, 7th, 11th, 13th, 19th, 20th, 22d, 28th, and 29th.

Halos, lunar: Elkins, 18th; Wheeling, 24th.

Halo, solar: Ryan, 29th.

Sleet: Lost Creek, Smithfield, and Wheeling, 5th; Camden-on-Gauley, Elkins, Huntington, Miller, Parkersburg, and Smithfield, 13th; Bancroft, Brandywine, Burlington, Cairo, Charleston, Evans, Logan, Marlinton, Moorefield, Pickens, Romney, and Wheeling, 14th; Romney, 21st.

Thunderstorms: Lewisburg and Marlinton, 30th.

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	31.7	......	......	3.64	....	....	....	..	..	..
1892	29.4	76	− 3	3.15	....	....	....	..	..	..
1893	22.6	71	−25	2.49	....	....	....	7	7	17
1894	36.6	70	− 8	2.41	4.23	0.83	....	12	8	11
1895	25.0	69	−21	4.48	6.53	2.37	....	6	9	16
1896	32.4	72	− 6	1.57	2.72	0.67	1.8	9	14	8
1897	28.8	69	−18	1.70	2.85	0.90	4.0	10	7	14
1898	37.1	75	− 5	5.10	8.04	2.24	5.0	6	9	16
1899	32.1	70	−21	4.05	7.01	2.05	7.5	10	7	14
1900	34.5	74	−10	2.24	3.60	0.82	1.9	9	8	14
1901	33.6	69	− 4	2.41	3.87	1.18	7.3	8	7	16
1902	30.2	64	− 1	3.65	8.52	1.45	9.8	9	7	15
1903	31.8	79	− 7	3.21	6.45	1.55	8.6	8	7	16
1904	27.5	72	−18	2.72	5.82	1.24	10.8	9	8	14
1905	26.4	70	−14	3.15	7.43	1.48	22.0	7	7	17
1906	38.2	80	− 5	3.79	8.70	1.36	5.1	11	7	13
1907	38.7	76	−15	6.41	11.54	2.35	5.6	6	7	18
1908	31.0	62	−16	2.92	18.19	0.50	12.8	12	7	12
1909	36.8	76	− 5	3.41	6.59	1.50	8.7	8	6	17
1910	32.0	67	− 5	5.68	10.10	2.52	15.4	6	6	19
1911	37.3	71	− 5	5.86	12.63	3.11	7.0	8	6	17
1912	23.5	66	−34	2.60	6.93	1.10	13.6	7	8	16
1913	40.7	74	9	6.23	10.53	1.84	5.7	9	6	16
1914	35.8	83	−11	3.18	5.65	1.55	15.6	7	6	18
1915	31.7	68	− 8	4.85	11.38	2.00	10.4	8	6	17
1916	38.8	79	−10	4.86	8.52	1.70	6.1	11	7	13
1917	33.2	77	− 9	4.66	7.67	1.72	8.3	11	6	14
1918	20.7	55	−27	4.24	9.22	2.00	21.5	8	5	18
1919	34.1	69	−16	3.79	6.66	1.60	6.9	16	4	11
1920	28.7	77	−11	4.12	7.26	0.40	3.9	8	6	17
1921	35.5	71	− 2	2.76	5.94	0.10	4.3	11	6	14
Means and extremes ..	32.1	83	−34	3.72	12.63	0.10	8.8	9	7	15

Climatological Data for January, 1921.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard^{c}	Grant	2,700	20	32.6	+ 4.6	57	22	0	13	42	......	......	......	......	......	6	8	14	sw.	J. C. Fonty.
Brandywine	Pendleton	......	5	34.9	......	65	22	7	19	41	1.00	......	0.75	3.0	4	14	3	14	s.	Elmer Keister.
Burlington	Mineral	875	27	33.6	+ 2.9	65	22	6	19	41	0.60	−2.05	0.30	3.0	5	8	16	7	w.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	32	......	......	......	......	......	......	......	1.02	−1.73	0.70	1.3	3	......	......	......	w.	S. W. Lightner.
Martinsburg	Berkeley	435	29	33.7	+ 3.2	67	22	9	19†	43	1.67	−0.92	1.02	1.0	6	15	7	9	ne.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	25	40.2	+ 8.3	67	4†	12	19	32	0.45	−2.12	0.40	T.	2	22	3	6	......	M. S. Henkel.
Piedmont	Mineral	919	8	33.5	......	57	22	6	19	35	1.93	......	0.72	......	9	7	17	7	se.	C. A. Suter, Jr.
Romney^{b}	Hampshire	824	23	36.6	+ 5.7	68	23	6	20	44	1.04	−1.68	0.38	1.0	5	11	11	7	......	Geo. E. Arnold.
Upper Tract	Pendleton	1,230	22	32.6^{b}	− 0.7	61^{b}	4	6^{b}	19	36^{b}	0.10	−2.45	0.10	0	1	14	9	8	w.	J. M. Mallow.
Wardensville	Hardy	1,200	3	......	......	......	......	......	......	......	0.37	......	0.17	T.	4	......	......	......	......	Luther F. Sutton.
Averages and	extremes	......	....	34.7	+ 4.0	68^{b}	23	0	13	44	0.91	−1.82	1.02	1.2	4	12	10	9	w.	
Northern Division.																				
Bens Run	Pleasants	622	19	36.4	+ 4.3	63	4	11	13†	36	3.13	−1.28	1.00	4.0	11	16	2	13	......	J. D. Riggs.
Bruceton Mills	Preston	1,549	1	......	......	......	......	......	......	......	5.22	......	1.15	8.5	13	5	3	23	......	W. M. Wolf.
Buckhannon	Upshur	1,411	24	38.0	+ 6.3	63	1	4	13	39	3.12	−1.34	1.00	3.7	10	14	4	13	......	H. A. Darnall.
Cairo	Ritchie	680	22	36.0	+ 1.1	65	1	8	13	38	3.27	−0.68	0.66	2.7	12	11	6	14	......	O. C. Hess.
Cortland	Tucker	3,300	5	......	......	......	......	......	......	......	2.72	......	0.62	5.0	9	5	18	8	......	G. W. Harmon.
Creston	Wirt	701	19	37.6	+ 4.2	68	1	10	13	37	2.57	−1.28	0.80	1.5	11	11	2	18	w.	J. M. Reed.
Davis	Tucker	3,093	12	......	......	......	......	......	......	......	4.92	......	1.17	9.5	13	8	11	12	w.	Ross C. Male.
Elizabeth	Wirt	646	9	......	......	......	......	......	......	......	2.75	......	0.70	......	8	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	20	35.0	+ 6.0	63	1	3	13	40	2.50	−0.84	0.53	5.9	16	4	11	16	w.	U. S. Weather Bureau.
Fairmont	Marion	883	15	35.0	+ 2.3	63	1†	7	13	42	3.49	−0.45	0.95	3.0	12	16	0	15	w.	F. P. Hall.
Glenville	Gilmer	738	27	38.5	+ 5.4	71	1	5	13	47	2.79	−1.56	0.82	1.5	10	14	7	10	w.	Howard R. Brannon.
Grafton	Taylor	1,000	28	35.3	+ 2.9	60	4†	5	13	42	3.10	−0.99	0.90	......	5	7	14	10	e.	W. C. Byers.
Lost Creek	Harrison	1,026	23	36.7	+ 4.0	68	1	7	18	49	2.99	−1.10	0.86	3.5	9	13	1	17	w.	Allen Smith.
Mannington	Marion	974	18	35.6	+ 4.4	62	1	1	13	39	4.05	−0.56	1.04	3.3	15	7	8	16	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	28	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Prof. E. L. Andrews.
Moundsville	Marshall	642	18	35.8^{b}	+ 3.9	62^{b}	2	8^{b}	13†	36^{c}	4.01	+0.77	0.95	......	8	7^{b}	10^{b}	12^{b}	sw.	G. W. Wright.
New Cumberland	Hancock	987	23	32.4	+ 4.2	62	1	9	19	38	2.92	+0.16	0.60	T.	11	9	5	17	s.	M. F. Smith.
New Martinsville	Wetzel	634	27	37.6	+ 5.0	65	1†	10	13	40	4.55	+0.79	1.00	......	9	16	2	13	s.	Wm. Ankrom.
Parkersburg	Wood	638	34	37.4	+ 6.1	66	1	16	18	31	3.17	−0.02	0.82	2.7	15	9	6	16	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	21	34.6	+ 3.4	66	1	0	13	47	4.04	−0.73	1.35	8.5	13	15	2	14	......	J. W. Swisher.
Philippi	Barbour	1,149	24	36.6	+ 3.7	65	1†	5	12†	40	3.92	−0.39	1.10	6.0	11	9	5	17	w.	Prof. M. B. Pimm.
Pickens	Randolph	2,697	18	33.0	+ 5.0	59	1	− 1	13	36	2.82	−3.86	0.54	13.0	11	10	7	14	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	34	......	......	......	......	......	......	......	5.00	+0.50	1.12	......	12	......	......	......	e.	J. F. Pierce.
Saint Marys	Pleasants	577	12	......	......	......	......	......	......	......	4.08	−0.52	1.04	0.7	9	......	......	......	sw.	Wm. Hughes.
Smithfield	Wetzel	835	15	31.8	+ 1.2	60	1	5	13	35	5.17	−0.04	1.26	6.5	12	17	6	8	sw.	G. M. Whisler.
Stony River Dam	Tucker	......	1	30.3^{a}	......	51^{a}	23	0	19	45^{a}	1.89	......	0.41	3.0	8	4	7	20	w.	A. C. Becker.
Terra Alta	Preston	2,612	20	30.3	+ 2.5	53	1	− 2	13	38	5.94	+0.58	1.14	12.5	17	9	6	16	w.	Dr. C. O. Gorby.
Wellsburg	Brooke	1,225	20	33.4	+ 3.7	59	4	9	18	36	3.43	−0.02	0.69	1.0	11	12	7	12	......	George P. Pfister.
Weston	Lewis	1,026	25	38.4	+ 5.0	67	1	6	13	39	3.65	−0.52	0.80	3.7	13	9	6	16	ne.	Weston State Hospital.
Wheeling	Ohio	645	34	33.8	+ 2.8	65	4	10	18†	39	4.00	+0.85	1.05	0.8	11	8	5	18	w.	Miss M. B. Forsyth.
Averages and	extremes	......	....	35.2	+ 4.0	71	1	− 2	13	49	3.63	−0.52	1.35	4.6	11	10	6	15	w.	
Southern Division.																				
Bancroft	Putnam	574	17	36.6	+ 2.2	71	1	13	13	49	2.02	−2 38	0.51	2.9	12	9	0	22	s.	E. H. Morrow.
Bluefield	Mercer	2,558	26	36.4	+ 1.9	65	2	8	11	40	3.55	+0.44	0.59	14.5	18	10	10	11	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	6	......	......	......	......	......	......	......	1.50	......	0.80	2.0	5	13	0	18	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	18	40.8	+ 2.3	62	21	14	16	40	2.36	−1.59	0.64	T.	10	16	1	14	w.	C. V. Lewis.
Clay	Clay	706	5	......	......	......	......	......	......	......	1.06	......	0.31	......	7	......	......	......	......	Mark King.
Cuba	Jackson	650	19	38.2	+ 4.9	68	1	10	13	40	2.58	−1.13	0.75	2.0	9	8	9	14	w.	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	5	......	......	......	......	......	......	......	3.57	......	0.90	......	10	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	5	......	......	......	......	......	......	......	3.26	......	1.00	2.3	10	......	......	......	......	Lockmaster.
Dam 22 O. R.	Jackson	538	6	......	......	......	......	......	......	......	2.28	......	0.90	......	8	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	5	......	......	......	......	......	......	......	2.62	......	0.90	1.5	10	......	......	......	......	U. S. Engineer Office.
Evans	Jackson	606	9	38.9	......	66	22	14	13	30	5.14	......	1.05	2.0	8	7	3	21	......	B. F. Sayre.
Gary	McDowell	1,426	5	31.2^{b}	......	50^{b}	7†	15^{b}	13	32^{d}	2.32	......	1.10	T.	8	12^{d}	0^{d}	15^{d}	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	25	35.4	+ 2.5	65	1	4	13	42	3.48	+0.40	0.69	16.0	11	13	6	12	w.	W. H. Gwinn.
Hinton	..do	1,450	24	35.6	+ 1.4	66	1	12	13	41	1.93	−1.28	0.90	12.0	8	10	0	21	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	27	37.9	+ 5.1	68	1	18	13	38	2.88	−0.96	0.70	0.8	13	9	5	17	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	2	......	......	......	......	......	......	......	1.39	......	0.42	T.	5	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	5	......	......	......	......	......	......	......	2.81	......	0.60	7.0	10	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	21	33.7	+ 1.8	59	4	− 2	13	39	1.65	−1.73	0.99	16.5	6	14	6	11	nw.	Geo. T. Argabate.
Logan	Logan	687	18	39.0	0	69^{a}	1†	19	19	39^{a}	......	......	......	......	......	14	3	14	w.	C. & O. R. R..
Marlinton	Pocahontas	2,131	22	28.4	+ 0.2	50	1†	0	13†	38	3.48	−0.59	1.98	9.0	11	4	14	13	nw.	S. L. Brown.
Miller	Fayette	......	1	......	......	......	......	......	......	......	2.55	......	0.70	......	8	......	......	......	......	J. R. Bays.
Point Pleasant	Mason	553	28	38.4	+ 4.8	68	1	14	13	38	2.80	−1.10	1.19	1.0	10	7	4	20	......	W. D. Holmes.
Powellton^{e}	Fayette	933	25	38.7	+ 1.9	65	1	11	11	39	1.26	−2.69	0.42	1.4	7	14	4	8	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	5	......	......	......	......	......	......	......	2.34	......	0.54	......	10	......	......	......	......	Raleigh Coal & Coke Co.
Renick	Greenbrier	1,653	5	......	......	......	......	......	......	......	1.91	......	1.20	12.0	4	......	......	......	......	Wm. B. Hill.
Robertsburg	Putnam	574	21	35.7	+ 2.3	68	1	12	13	40	2.34	−1.66	0.71	1.0	9	7	3	21	......	E. C. Brace, Jr.
Ryan	Roane	700	18	36.3	+ 3.0	68	1	5	13	46	2.40	−1.82	0.46	2.8	14	7	8	16	......	Wm. E. Ryan.
Sharples	Logan	......	1	......	......	......	......	......	......	......	2.10	......	0.70	......	6	......	......	......	......	C. E. Rippetoe.
Spencer	Roane	784	17	35.8	+ 2.2	65	2	10	19	39	2.83	−1.49	1.04	1.0	6	5	17	9	......	A. M. McKown.
Sutton	Braxton	839	15	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Lawrence Freeman.
Union	Monroe	2,250	17	33.6	+ 1.0	65	6	2	13	41	1.40	−2.25	0.36	9.8	5	......	......	......	......	Edward H. Shanklin.
White Sulphur Springs	Greenbrier	1,940	11	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. M. Ayres.
Williamson	Mingo	660	21	37.4	+ 1.5	65	1	20	19†	35	2.24	−2.08	0.62	4.0	13	18	2	11	w.	J. F. Keyser.
Averages and	extremes	......	....	36.2	+ 2.3	71	1	− 2	13	49	2.47	−1.37	1.98	5.1	9	11	5	15	w.	
State averages and	extremes	......	....	35.5	+ 3.3	71	1	− 2	13	49	2.76	−0.99	1.98	4.3	9	11	6	14	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

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1921-31

Daily Precipitation for January, 1921.

Stations.	Watersheds.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac				T.	.09	T.	.90	T.				.36		.64	.09	T.	T.	T.	T.	T.	T.	T.	.70	T.					T.	.85	1.00	†††
Brandywine	do	.05									.10				.75																T.	.10	1.00
Burlington	do	T.				T.							T	*	.30								T.							*	.20	.10	0.60
Harpers Ferry ‖‖	do													.10	.70																.22		1.02
Martinsburg	do	.08	.12						T.					.10	.92																.35	.10	1.67
Moorefield	do	.05											T.		.40																	T.	0.45
Piedmont	do	.15				.05		.02	.05				T.		.72							.02	.15							T.	.35	.42	1.93
Romney	do	.30				T.									.09							T.		.12							.38	.15	1.04
Upper Tract	do						T.			T.					.10	T.																T.	0.10
Wardensville ‖‖	do			.12										T.				.17			.06										.02		0.37
Northern Division.																																	
Bens Run	Ohio	.26	.06					.06	.52				.27		.10	.03							.45	.20							1.00	.18	3.13
Bruceton Mills ‖‖	Monongahela	.28	.05			T.	.09	.35	.55				.54	T.	1.15	.09	1.00	T.			T.	.03	.04		T.	T.				T.	.82	.23	5.22
Buckhannon	do	.30	.10			T.		.15	.63				.27		.23	.09							.15							T.	1.00	.20	3.12
Cairo		.27						.38	.54				.18	.08	.64	.01						T.	.09	.22						.02	.66	.18	3.27
Cortland ‖‖	Monongahela	.32							.41				.18		.11	.18						.60								.62	.20	.10	2.72
Creston ‖‖	Little Kanawha	.25	.15						.80				.06	T.	.20	.06	.03					T.	.10	.12							.30	.50	2.57
Davis ‖‖	Monongahela	.33				.15	.18	1.17					T.	.27	.30	.15	.18	T.			.25	.35	.92								.57	.10	4.92
Elizabeth ‖‖	Little Kanawha		.30						.70				.30		.64	.06								.13							.16	.46	2.75
Elkins ***	Monongahela	.22	.06			.02	.01	.14	.32	T.			.35	.10	.19	.15		T.				.05	.13	.13						.08	.47	.08	2.50
Fairmont ‖‖	do	.16	.21				.02		.79	T.			.12	.10	.90	.05	T.		T.				.11	.34							.36	.33	3.49
Glenville ‖‖	Little Kanawha	.18	.05						.82				.10		.20		.14	T.					.10	.12							.48	.60	2.79
Grafton	Monongahela	.25	T.				T.	T.	.79				T.	T.	.90	T.	T.	T.				T.	T.	.47		T.						.69	3.10
Lost Creek	do.	.20				T.		.06	.80				.18	.08	.74	.04	T.					T.	T.								.65	.24	2.99
Mannington	do	.30	.10			T.	.03	.28	.76				.17		.89	.04	.01	T.				.03	.26	.32						.01	.60	.25	4.05
Morgantown	do																																......
Moundsville ‖‖	Ohio	.30	.20						.95						.90								.33	.28							.45	.60	4.01
New Cumberland ‖‖	do	.08	.40				.05		.51				.05	T.	.22	T.					T.	.04	.34	.26							.37	.60	2.92
New Martinsville	do	.40	.10			T.		.50	.85				T	T.	.80	T.	T.						.50							.20	1.00	.20	4.55
Parkersburg ***	Ohio	.21	.08			T.		.55	.27			.03	.09	.44	.29	.01				T.	T.	.04	.29	.02						.13	.60	.12	3.17
Parsons	Monongahela	*	.30			.09		*	*				.45	T.	1.35	.18						T.	*	.65						*	*	1.02	4.04
Philippi	do	.29				T.	T.	.30	.45			.36	T.	.09	.50	T.						.06	.16	.36							1.10	.25	3.92
Pickens	do	.12	.06			T.	T.	.15		T.			.54		.35	.36						.05	.13	.28							.38	.40	2.82
Rowlesburg ‖‖	do		.55				.12		1.12	T.			.21	.08	.40	.18	.18						.26	.65							.63	.62	5.00
Saint Marys ‖‖	Ohio	.10	.25						1.04				.15		.60	.15								.66							.50	.63	4.08
Smithfield ‖‖	Fishing Creek	.42					.02		1.26				.25	.20	1.05	.10	.10						.28	.50							.55	.44	5.17
Stony River Dam ‖‖	Monongahela		.14				T.		.41	.15				.18	.32	.10							.24	.35									1.89
Terra Alta	do	.40	.17			.09		.32	.82				.45	.09	.90	.09	.09	.04				.06	.60	.72		T.				.08	.70	.32	5.94
Wellsburg	Ohio	.18	.20			T.	.14	.19	.50			T.	T.	T.	.41		T.						.69	.03	T.					.04	.67	.38	3.43
Weston	Monongahela	.24	.02					.11	.58				.25		.74	.05	.05	T.				.04	.07	.19						T.	.80	.51	3.65
Wheeling ‖‖	Ohio	.10	.30				.03		1.05				.08	T.	.60	.06	T.		T.		T.	T.	.33	.33							.42	.70	4.00
Southern Division.																																	
Bancroft ‖‖	Great Kanawha	.12	.06						.51		.03		.09	.05	.29	.15	.03					T.	T.	.05							.36	.28	2.02
Bluefield	do	.06							.25	.45	.48	.14	.15	.06	.59	.06	.20	.10	.05					.05			.34	.32	.16	.04	.05	T.	3.55
Camden-on-Gauley ‖‖	do	.22							.80		T.		T.	.18																.10	.20	T.	1.50
Charleston	do	.10	.12						.50	.04	.06		T.		.64	.40								.10							.40	.20	2.36
Clay ‖‖	do	.05							.31		.05		T.	.30		.05		T.													.05	.25	1.06
Cuba	Sand Creek	.20						.25	.50					.13	.70	.05				T.	T.	.05								.05	.50	.15	2.58
Dam 19 O. R. ‖‖	Ohio	.10	.25						.90				.07	T.	.78	.06	T.				T.	T.	.03	.35							.48	.55	3.57
Dam 20 O. R. ‖‖	do	.20	.14						1.00				T.	.10	.56	.10	T.						.03	.22							.43	.48	3.26
Dam 22 O. R. ‖‖	do	.15	.20						.90	T.		T.	T.		.30	.20								.10							*	.43	2.28
Dam 26 O. R. ‖‖	do	.18	.11						.90				.05	.50		.05						.05	.23								.33	.22	2.62
Evans	Ohio	.62						.29	.79				.15	.75	.79	1.05															.70	T.	5.14
Gary ‖‖	Big Sandy	.13	.04						.17	.20			T.	T.	1.10									.08		T.	T.				*	.60	2.32
Green Sulpr. Spgs.	do	T.								.18	.36		.27	.27	.30	.09								.22			.27			.46	.69	.37	3.48
Hinton ‖‖	do	.02	T.			T.			.04		.90		T.	.07	.46	T.								.04			.30	T.			.10	T	1.93
Huntington ‖‖	Ohio	.18	.12						.62		.10		.10	.06	.64	.06	.02					T.	.04	.10			T.				.44	.40	2.28
Kanawha Falls ‖‖	Great Kanawha	.15							T.		T.		T.		.30	.25															.42	.27	1.39
Kayford ‖‖	do		.15						.34		.37		.09	.12	.60	.25	T.						T.				.25				.27	.37	2.81
Lewisburg	do								.08	.27	.99		T.	.09	T.	T.											.15	T		.07	T.		1.65
Logan	Guyandotte																																......
Marlinton	Great Kanawha							.10	.20	.10	.60		.10	.10	1.98	T.						.08		T.						.04	.16	.02	3.48
Miller ‖‖	Meadow Creek	.10							.35					.36	.70								.25	.22							.33	.24	2.55
Point Pleasant	Ohio							.34	.85				.12	.11	.65	.06								.12						.06	.30	.19	2.80
Powellton	Great Kanawha								.32		.29		.02		.42												.06			.05		.10	1.26
Raleigh ‖‖	do		.20						.16	.12	.54			.11	.33	.15											.34				.18	.21	2.34
Renick ‖‖	do							T.	.01		1.20				.65																	.05	1.91
Robertsburg ‖‖	do	.15	.08						.65				T.	T.	.56	.15	T.						.13	.05							.37	.20	2.34
Ryan	do.	.17	.05					.19	.46	.01			.16	.02	.46	.11					T.	.03		.09						.02	.46	.17	2.40
Sharples ‖‖	Coal River								.70		.20		T.	T.	.65	.15	T.										T.				*	.40	2.10
Spencer ‖‖	Little Kanawha						.85						.09		.45	.10															1.04	.30	2.83
Sutton	Great Kanawha																																......
Union	do										.16				.36												.36	.36		.16			1.40
White Sulphur Spgs.	do																																......
Williamson ‖‖	Big Sandy	.06	.05						.25	.05	.62		.04	.06	.46	.06	T.						T.	.06			.30				.16	.07	2.24

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

††† Probably incomplete.

Daily Temperatures for January, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum...	..	..	..	56	33	51	52	50	36	45	45	35	29	45	38	46	45	23	26	51	50	57	52	56	28	29	49	52	52	52	46	43.9
	Minimum ...	..	..	..	33	16	20	32	30	26	26	23	21	0	23	22	14	14	6	3	17	35	47	37	25	7	11	9	10	26	35	28	21.3
Brandywine	Maximum...	55	54	48	47	52	50	58	55	40	45	38	35	28	40	40	45	34	32	30	53	59	65	60	46	35	33	45	52	50	56	50	46.1
	Minimum ...	34	38	28	22	32	22	28	38	25	28	12	18	9	21	28	17	15	12	7	20	34	35	46	19	14	11	21	11	25	35	30	23.7
Burlington	Maximum...	43	55	50	58	55	39	38	46	39	46	38	37	30	35	36	47	48	24	23	55	57	65	59	45	44	29	39	48	46	42	43	43.8
	Minimum ...	27	32	27	20	31	25	25	33	28	27	21	21	14	20	28	25	20	9	6	14	37	45	42	18	15	11	9	11	24	31	32	23.5
Martinsburg§	Maximum...	51	58	49	51	57	40	39	48	39	42	44	44	31	36	35	46	30	23	25	42	61	67	55	39	28	31	37	45	46	45	40	42.7
	Minimum ...	29	32	39	25	26	32	22	30	34	32	27	29	19	20	29	24	24	15	9	9	25	24	50	28	15	13	14	14	16	28	34	24.7
Moorfield	Maximum...	49	58	55	67	60	45	47	58	62	54	45	37	31	33	39	48	49	35	28	54	61	67	63	50	38	34	48	51	54	51	47	49.1
	Minimum ...	36	37	38	40	42	40	33	36	38	41	29	30	16	27	30	30	25	15	12	22	39	42	48	27	17	19	24	29	31	35	36	31.2
Piedmont	Maximum...	39	47	50	55	52	35	34	51	38	47	40	38	24	34	37	46	45	24	20	52	53	57	54	41	31	27	38	45	43	40	40	41.2
	Minimum ...	30	35	31	24	35	31	26	34	37	30	26	21	13	23	28	22	20	10	6	17	39	49	40	29	13	13	12	13	26	34	32	25.8
Romney	Maximum...	54	60	64	63	55	46	43	50	48	52	45	42	35	36	44	41	..	..	31	29	59	59	68	64	51	40	35	44	54	54	48	48.8
	Minimum ...	27	33	33	20	34	32	23	34	30	31	21	29	13	23	21	20	..	..	8	6	15	31	44	46	28	13	10	8	11	24	34	24.3
Upper Tract	Maximum...	53	54	54	61	57	40	40	42	48	47	44	45	36	38	37	33	30	30	31	50	56	55	50	49	45	44	45	46	..	..	45	45.0
	Minimum...	25	26	26	25	29	29	28	26	24	24	19	16	10	21	21	19	16	10	6	18	20	22	30	30	10	12	14	14	..	..	14	20.1
Wardensville	Maximum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Northern Division.																																	
Bens Run	Maximum...	62	60	54	63	44	41	53	53	40	44	38	35	33	37	34	48	42	29	35	50	53	57	54	42	39	37	48	53	51	52	48	46.1
	Minimum ...	38	31	26	27	34	30	29	32	27	25	28	24	11	32	25	22	19	12	14	32	42	48	39	21	11	17	15	18	28	42	30	26.7
Buckhannon	Maximum...	63	59	49	59	55	45	55	54	45	42	35	37	28	42	40	50	42	36	40	53	52	60	60	48	30	40	43	52	55	53	51	47.5
	Minimum ...	45	46	28	26	37	28	38	38	28	32	22	25	4	28	27	19	20	12	13	33	45	50	45	24	14	13	22	13	32	43	30	28.4
Cairo	Maximum...	65	61	49	61	61	41	55	55	40	43	42	36	25	37	55	50	43	27	36	52	54	61	54	47	37	37	43	50	54	50	49	46.8
	Minimum ...	33	39	22	23	36	32	26	39	24	23	18	24	8	24	27	21	18	10	13	29	32	45	40	19	15	20	13	13	28	39	31	25.3
Creston	Maximum...	68	60	58	60	62	45	57	50	42	45	43	36	28	35	36	53	49	30	37	54	57	63	62	47	37	38	50	51	54	52	52	48.7
	Minimum ...	33	32	25	25	38	32	26	40	26	25	20	27	10	24	27	22	19	15	15	31	34	46	42	20	20	21	16	14	28	40	32	26.6
Elkins	Maximum...	63	56	50	59	55	37	56	57	37	42	35	32	34	44	29	51	34	25	36	55	52	59	52	35	29	39	45	55	54	54	42	45.3
	Minimum ...	33	34	26	23	29	25	24	32	28	26	20	15	3	27	20	19	14	7	9	31	46	50	34	20	11	23	20	15	30	42	27	24.6
Fairmont§	Maximum...	63	50	52	63	49	39	53	47	37	48	37	32	38	39	32	52	29	25	42	57	53	60	51	41	26	38	51	56	54	50	34	45.1
	Minimum ...	39	41	27	26	26	31	26	37	26	28	22	29	7	10	27	22	19	10	11	15	42	45	43	21	14	14	16	16	17	29	34	24.8
Glenville	Maximum...	71	68	60	67	61	47	58	55	44	50	47	36	26	35	35	53	54	30	40	56	57	64	63	54	38	45	53	60	55	54	53	51.3
	Minimum ...	35	41	24	23	38	31	25	39	25	27	18	26	5	24	27	18	19	13	11	30	35	47	42	19	14	18	16	13	25	40	30	25.7
Grafton	Maximum...	48	48	45	60	48	49	54	44	38	44	33	31	47	43	35	52	26	27	51	55	57	60	47	40	32	39	45	40	46	52	34	44.2
	Minimum ...	38	40	25	23	39	30	25	37	25	30	24	27	5	24	27	20	19	8	12	23	40	49	43	22	12	20	16	12	27	39	33	26.4
Lost Creek	Maximum...	68	62	55	62	55	51	55	52	40	35	33	32	32	38	37	52	50	27	40	56	52	60	54	44	35	37	50	60	54	51	50	47.7
	Minimum ...	37	40	25	21	35	23	34	38	23	12	8	25	20	29	29	20	18	7	10	30	45	50	41	18	14	17	20	11	27	41	30	25.7
Mannington	Maximum...	62	61	50	61	53	39	49	54	36	46	37	35	28	38	35	51	47	25	37	54	52	57	54	43	31	35	48	53	53	50	48	45.9
	Minimum ...	38	41	24	23	36	31	25	36	24	25	19	23	1	28	27	20	19	8	11	29	45	48	40	19	13	16	11	14	25	38	31	25.4
Morgantown	Maximum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Cumberland	Maximum...	62	44	52	58	44	39	48	46	35	45	39	29	36	40	36	45	24	22	43	50	52	54	44	34	23	33	43	49	51	47	31	41.9
	Minimum ...	24	33	26	26	26	31	27	39	21	19	19	28	12	12	26	22	19	12	9	11	42	44	36	24	11	10	10	13	18	29	30	22.9
New Martinsville	Maximum...	65	65	54	64	57	44	50	55	53	48	38	38	36	39	36	51	46	30	37	51	54	58	56	45	34	38	48	56	54	50	50	48.4
	Minimum ...	37	40	26	25	37	32	28	36	26	24	23	23	10	27	28	24	19	11	14	31	40	48	39	24	15	16	15	16	28	38	30	26.8
Parkersburg	Maximum...	66	62	50	64	54	44	55	54	39	44	39	34	36	38	32	50	33	27	36	54	55	62	54	40	28	34	45	50	54	52	37	45.8
	Minimum ...	45	40	31	33	33	33	34	32	29	26	26	20	17	30	24	24	18	16	16	36	46	52	33	26	19	21	20	22	35	37	29	29.1
Parsons	Maximum...	66	57	52	61	54	36	40	54	39	47	35	33	35	55	32	56	47	26	37	55	51	57	52	39	32	39	49	59	56	53	46	46.8
	Minimum ...	27	30	24	20	30	23	19	29	24	24	17	19	0	32	26	15	18	5	7	12	46	47	31	21	9	16	20	12	27	37	29	22.5
Philippi	Maximum...	65	65	53	60	60	38	50	45	41	45	40	30	35	46	36	45	41	28	40	55	51	59	55	40	35	40	46	55	54	55	53	47.2
	Minimum ...	40	29	30	34	32	27	28	34	26	29	14	5	18	25	24	5	16	8	10	32	45	49	40	30	10	18	18	18	34	40	36	25.9
Pickens	Maximum...	59	48	39	55	50	45	52	48	43	45	35	32	35	45	29	47	29	26	41	50	51	58	53	35	30	41	45	45	50	52	42	43.7
	Minimum ...	34	20	20	25	25	22	24	28	22	27	19	14	− 1	22	22	22	15	7	7	30	29	45	35	19	8	20	20	17	31	39	22	22.2
Terra Alta	Maximum...	53	52	43	52	50	29	45	46	32	33	33	31	25	40	30	45	42	16	19	43	46	52	48	35	24	21	42	48	49	48	45	39.3
	Minimum ...	30	36	28	20	27	22	22	31	24	25	22	14	− 2	24	20	15	12	4	4	19	42	45	31	20	4	7	10	10	28	38	25	21.3
Wellsburg	Maximum...	58	58	49	59	46	35	47	48	38	43	37	36	28	39	36	46	25	35	40	46	48	51	52	42	30	32	43	43	52	45	44	42.9
	Minimum ...	28	35	22	23	33	31	23	36	21	18	20	22	11	28	25	24	18	9	18	28	36	41	36	20	11	11	10	13	22	41	28	23.9
Weston	Maximum...	67	65	54	62	60	43	57	55	42	47	43	36	26	43	37	53	51	28	39	56	54	62	61	47	37	38	49	55	55	53	51	49.2
	Minimum ...	39	42	27	27	37	31	27	38	27	29	22	25	6	25	27	21	19	13	13	33	45	50	41	22	15	19	19	16	30	42	30	27.7
Wheeling§	Maximum...	60	50	56	65	45	46	50	48	37	45	39	33	37	39	33	49	30	30	43	49	53	53	50	40	31	34	46	45	51	45	33	44.0
	Minimum ...	26	38	26	26	28	30	29	36	25	21	22	25	12	12	21	23	20	10	10	11	41	43	39	23	13	14	14	15	17	30	30	23.5
Southern Division.																																	
Bluefield	Maximum...	58	65	56	60	54	45	57	55	39	38	37	38	26	42	35	52	37	35	36	52	61	54	55	47	41	35	35	55	50	54	39	46.5
	Minimum ...	31	33	32	31	40	27	30	38	36	34	8	25	12	20	25	20	17	15	18	22	36	37	33	30	20	18	19	15	31	30	29	26.2
Charleston	Maximum...	54	57	59	61	56	52	58	59	60	55	57	50	44	41	45	57	52	49	57	59	62	60	58	57	55	56	58	59	56	59	60	55.5
	Minimum ...	28	30	34	35	31	32	30	32	34	30	25	19	16	18	25	14	22	19	20	19	34	38	32	25	20	19	20	22	23	30	31	26 0
Gary §	Maximum...	46	49	33	49	49	31	50	50	35	32	34	35	47	37	32	50	28	22	27	35	35	49	43	24	27	28	28	..	..	35	35	37.1
	Minimum ...	35	38	30	27	28	28	27	30	32	32	17	16	15	19	28	21	26	19	18	21	26	33	33	24	22	22	24	20	..	..	20	25.2
Green Sulphur Spgs.	Maximum...	65	60	53	64	51	52	56	55	40	42	32	35	27	40	37	47	44	37	31	53	62	63	57	46	40	35	44	52	43	50	52	47.4
	Minimum ...	40	45	26	22	30	29	23	19	33	24	6	25	4	22	26	14	20	13	12	12	24	30	38	22	17	21	25	15	23	35	31	23.5
Hinton §	Maximum...	66	61	56	65	54	53	59	53	35	44	32	36	36	38	35	50	37	29	32	50	65	65	59	51	39	32	45	52	40	54	38	47.1
	Minimum ...	35	35	30	25	26	33	26	28	33	32	18	18	12	13	28	18	18	19	15	15	24	28	32	26	20	22	23	20	19	28	26	24.0
Huntington §	Maximum...	68	50	57	67	47	50	58	46	40	44	36	36	34	37	33	52	32	34	38	55	60	67	53	49	31	38	48	50	53	54	35	46.8
	Minimum ...	45	40	30	29	29	32	31	40	30	27	25	29	18	20	31	24	21	20	20	21	37	45	49	27	22	23	24	20	20	34	35	29.0
Lewisburg	Maximum...	58	58	47	59	53	43	53	52	36	38	31	35	24	37	37	40	43	31	30	45	53	57	55	43	37	35	41	48	45	55	50	44.2
	Minimum ...	33	40	29	20	36	28	23	36	28	29	2	23	− 2	17	24	12	18	8	5	20	24	36	41	28	16	19	22	15	25	34	29	23.2
Marlinton	Maximum...	50	44	40	50	42	34	48	48	32	38	28	30	24	34	28	40	40	26	24	42	48	50	48	34	30	32	46	48	44	48	40	39.0
	Minimum ...	30	28	24	14	22	14	18	32	26	24	4	14	0	14	18	6	12	12	0	14	20	30	28	20	8	16	22	10	20	32	24	17.9
Point Pleasant	Maximum...	68	65	54	65	60	47	56	55	43	47	41	37	28	36	37	50	46	31	37	53	55	67	61	48	40	38	45	52	52	54	52	49.0
	Minimum ...	53	36	26	27	39	27	29	38	27	22	23	26	14	25	26	23	18	16	15	31	33	49	40	22	18	22	17	16	29	43	30	27.8
Powellton	Maximum...	65	..	64	58	56	54	61	61	..	57	34	58	33	42	59	..	55	30	40	55	51	54	..	62	41	40	46	50	50	..	58	51.3
	Minimum ...	37	..	31	32	44	31	29	31	..	30	11	28	13	22	20	..	20	20	16	20	31	36	..	25	12	26	27	19	32	..	33	26.1
Robertsburg§	Maximum...	68	51	50	66	47	48	57	45	40	47	37	34	34	37	35	35	31	34	38	55	59	65	51	49	31	40	46	55	54	54	34	46.0
	Minimum ...	37	36	26	28	30	27	28	39	27	25	21	26	12	17	28	22	20	18	17	19	32	35	43	20	20	20	19	15	16	33	32	25.4
Ryan	Maximum...	68	63	55	65	47	47	65	58	48	46	36	33	30	35	35	52	46	31	35	57	57	67	62	50	35	37	46	57	53	56	46	49.0
	Minimum ...	32	31	21	21	35	21	32	36	24	21	12	25	5	26	25	16	17	15	13	28	27	35	37	16	15	18	15	11	25	46	30	23.6
Spencer §	Maximum...	55	65	49	50	55	39	37	42	43	42	40	33	41	42	42	50	51	36	41	46	47	42	40	40	34	37	51	60	51	51	42	45.0
	Minimum ...	19	31	43	32	40	39	22	27	28	29	25	32	17	31	26	19	27	26	10	12	38	34	22	11	12	20	16	21	35	45	31	26.5
Union	Maximum...	50	51	61	61	63	65	62	60	40	40	35	33	26	40	35	48	40	49	29	57	58	59	55	45	40	38	37	47	43	40	38	46.6
	Minimum ...	30	31	29	22	25	30	28	30	25	23	2	24	2	21	15	10	16	10	6	20	31	30	29	27	17	15	20	6	19	18	29	20.6
White Sulphur Spgs.	Maximum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Williamson§	Maximum...	65	50	50	61	50	45	61	50	36	37	35	34	36	37	34	55	30	33	41	55	61	61	63	53	32	37	42	45	45	55	38	46.0
	Minimum ...	36	42	32	30	31	28	26	34	32	31	28	28	21	23	31	25	27	22	20	20	30	35	38	28	25	25	30	24	24	32	37	28.9

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXIX. Parkersburg, W. Va., February, 1921. No. 2.

GENERAL SUMMARY.

February, like December and January, was nearly continuously seasonably warm and pleasant, completing one of the warmest and most favorable winters of State record. The precipitation was considerably below the normal and well distributed throughout the month and over the State. The snowfall, however, was slightly above the normal, due to a moderately heavy snowstorm at the beginning of the last decade. The conditions were excellent for river traffic and all outdoor work. The few days of cool weather during the last decade retarded the development of fruit buds, which were advancing rapidly during the second decade. Considerable plowing was done during the month.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.09 and 30.10 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.66 inches on the 18th, and 29.46 inches on the 10th. Elkins, 30.64 inches on the 18th, and 29.46 inches on the 10th.

TEMPERATURE.

The monthly mean for the State, determined from 51 stations, was 37.4°. The departure from the normal for 46 stations having ten or more years of record was +5.5°. The month opened with normal temperature, but seasonably warm weather set in on the 3d and continued until the 17th. The last ten days were somewhat cooler than usual, except the 22-23d and 27-28th. The highest temperatures, near the February State record, occurred on the 16th, while the lowest readings were general on the 21st, with a range mostly from 15° above to 10° below zero.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 76 per cent; 8 p. m., 74 per cent. The February averages for the same hours for the past 32 years are 82 and 76 per cent, respectively. Elkins, 8 a. m., 86 per cent; 8 p. m., 73 per cent. The February averages for Elkins for the same hours for the past 20 years are 84 and 74 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 71 stations, was 2.61 inches. The departure from the normal for 49 stations having ten or more years of record was −0.45 inch. The precipitation was heaviest over the central counties and lightest over the eastern panhandle section. Most of the precipitation was received on the 5-6th, 8-11th, 19-20th, and 23d-24th, with greatest amounts on the 9th and 20th. Light snow fell on the 1st-2d and in sections on the 11-12th. Moderately heavy snow, ranging generally from 3 to 20 inches, fell on the 19-20th. Light snow also fell in the northern mountain districts on the 28th.

WIND.

The average wind velocity at Parkersburg was 6.3 miles per hour, or 1.0 mile below the February average for 31 years. The average at Elkins was 6.1 miles per hour, or 0.6 mile above the February average for 22 years. The highest velocity at Parkersburg was 32 miles per hour from the northwest on the 17th, and at Elkins 30 miles per hour from the southwest on the 11th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 40 per cent of the possible amount, or 4 per cent above the February average for 23 years. The average at Elkins was 33 per cent, or 2 per cent below the February average for 21 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bruceton Mills, 8th, 22d, and 28th; Davis, 28th; Elkins, 10th; Fairmont, 4th; Hinton, 14th; Logan, 7th; Pickins, 22d and 28th; Rowlesburg, 10th and 28th; Stony River Dam, 1st, 2d, 6th, 8th, 10th, 22d, and 28th; Terra Alta, 9th and 28th; Wellsburg, 7th; Wheeling, 5th, 7th, and 19th; Williamson, 6th, 7th, 8th, 14th, 15th, 21st, 26th, and 27th.

Hail: Parkersburg, 10th; Smithfield, 11th.

Halos, lunar: Bayard, 18th; Elkins, 18th; Parkersburg, 13th and 18th; Ryan, 19th.

Sleet: Bluefield, 19th; Burlington, 1st; Cairo, 2d; Smithfield, 11th; Wheeling, 10th.

Thunderstorms: (dates and number of stations reporting:) 8th, 4; 9th, 15; 10th, 3; 11th, 1.

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	38.1	....	.....	5.39	....	....	....	..	..	..
1892	37.1	72	−12	2.30	....	....	....	..	..	..
1893	35.0	71	− 6	4.81	6.70	1.65	....	..	..	..
1894	33.4	74	− 5	3.99	7.48	2.05	....	9	7	12
1895	22.8	79	−17	1.27	2.44	0.61	....	10	9	9
1896	33.4	62	− 5	3.31	6.23	1.50	....	7	8	14
1897	36.8	70	3	5.95	8.18	3.00	....	7	7	14
1898	32.7	74	−13	1.81	3.38	0.64	....	10	8	10
1899	26.1	69	−35	4.32	6.43	2.25	19.0	7	5	16
1900	30.7	83	−11	3.94	5.62	2.31	10.1	5	10	13
1901	27.1	62	− 6	0.86	1.66	0.10	4.1	8	5	12
1902	26.7	68	−14	3.20	5.65	1.33	8.1	6	7	15
1903	35.3	74	−19	5.99	9.59	2.58	8.6	10	6	12
1904	29.3	80	−13	2.37	4.55	0.52	8.1	12	9	8
1905	25.6	56	−22	2.34	4.65	0.80	8.1	8	6	14
1906	32.4	79	−11	1.60	3.34	0.46	8.1	15	6	7
1907	31.1	68	−23	2.55	4.83	0.67	11.1	9	8	11
1908	30.9	72	−10	3.72	6.26	1.77	15.8	7	5	14
1909	40.4	80	− 5	4.16	7.68	1.44	3.4	7	5	13
1910	31.5	72	−11	3.18	6.56	0.98	13.5	9	8	11
1911	38.7	76	− 6	2.03	3.92	0.40	4.8	8	8	12
1912	27.3	70	−17	2.45	5.08	0.72	6.4	10	8	11
1913	32.6	80	− 4	2.27	6.15	0.21	4.7	13	6	9
1914	28.4	70	−22	3.64	6.96	1.63	19.7	9	7	12
1915	38.4	72	− 2	3.07	6.33	0.90	3.6	10	5	13
1916	31.4	72	−12	4.30	9.19	1.79	13.2	8	6	15
1917	31.0	80	−14	3.29	7.73	1.26	10.1	9	7	12
1918	35.4	81	−19	3.12	6.60	0.45	3.8	11	6	11
1919	35.2	72	− 2	1.85	3.93	0.35	3.5	11	5	12
1920	31.3	69	− 4	2.71	5.49	1.49	9.3	7	5	17
1921	37.4	79	−10	2.61	4.90	1.10	10.8	8	5	1
Means and extremes	32.4	83	−35	3.18	9.59	0.10	9.0	9	7	1

Climatological Data for February, 1921.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	20	32.7	+ 2.3	69	16	−10	21	48	3.16	−0.28	1.04	23.0	11	10	2	16	sw.	J. C. Fontz.
Brandywine	Pendleton	......	5	36.3	......	72	16	− 4	21	51	1.10	......	0.90	9.5	4	15	2	11	s.	Elmer Keister.
Burlington	Mineral	875	27	35.2	+ 4.9	75	16	− 7	21	51	2.23	−0.16	1.10	15.0	7	9	12	7	w.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	32	......	......	......	......	......	......	....	1.73	−0.74	0.64	12.8	6	......	......	......	w.	S. W. Lightner.
Martinsburg	Berkeley	435	29	35.9	+ 5.9	74	16	8	21	49	2.20	−0.23	1.35	14.5	7	13	6	9	ne	G. W. Van Metre, C. E.
Moorefield	Hardy	900	25	42.8	+10.5	79	16	10	21	41	1.72	−0.61	1.20	15.2	4	19	5	4	......	M. S. Henkel.
Piedmont	Mineral	919	8	35.0	......	74	16	− 1	21	44	2.29	......	1.30	12.5	8	9	9	10	se.	C. A. Suter, Jr.
Romney	Hampshire	824	23	39.6^{g}	+ 7.4	78^{f}	16	− 5	21	59^{g}	1.38	−0.87	0.88	11.0	3	7	11	10	......	Geo. E. Arnold.
Upper Tract	Pendleton	1,230	22	35.4^{c}	+ 3.2	67^{c}	15†	3^{c}	21	43^{c}	1.42	−0.27	0.72	9.0	3	17	1	10	w.	J. M. Mallow.
Wardensville	Hardy	1,200	3	......	......	......	......	......	......	....	1.30	......	0.72	11.0	5	......	......	......	......	Luther F. Sutton.
Averages and	extremes	......	....	36.6	+ 5.8	79	16	−10	21	59	1.85	−0.45	1.35	13.4	6	12	6	10	w.	
Northern Division.																				
Bens Run	Pleasants	622	19	37.6	+ 5.8	72	15†	10	21	46	2.47	−0.74	0.80	10.0	10	9	10	9	......	J. D. Riggs.
Bruceton Mills	Preston	1,549	1	......	......	......	......	......	......	....	3.68	......	0.94	19.0	12	5	2	21	......	W. M. Wolf.
Buckhannon	Upshur	1,411	24	38.8	+ 7.3	70	16	− 2	21	43	3.33	−0.52	1.60	15.0	6	8	7	13	......	H. A. Darnall.
Cairo	Ritchie	680	22	37.9	+ 5.4	73	16†	0	21	46	2.59	−0.99	0.82	7.7	10	4	8	16	......	O. C. Hess.
Cortland	Tucker	3,300	5	......	......	......	......	......	......	....	2.45	......	0.64	17.0	9	4	11	13	......	G. W. Harmon.
Creston	Wirt	701	19	39.6	+ 6.8	76	16	2	21	49	3.72	+0.84	2.00	9.0	8	4	2	22	sw.	J. M. Reed.
Davis	Tucker	3,093	12	......	......	......	......	......	......	....	3.06	......	0.72	19.5	13	10	4	14	w.	Ross C. Male.
Elizabeth	Wirt	646	9	......	......	......	......	......	......	....	2.15	......	0.95	......	8	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	20	35.6	+ 4.1	71	16	3	21	47	3.09	−0.08	1.11	11.3	12	3	8	17	w.	U. S. Weather Bureau.
Fairmont	Marion	883	15	36.4	+ 4.2	73	16	7	21	48	2.18	−0.83	0.62	10.0	10	10	1	17	w.	F. P. Hall.
Glenville	Gilmer	738	27	40.2	+ 7.5	76	15†	− 5	21	53	3.21	−0.51	1.21	13.5	10	10	6	12	w.	Howard R. Brannon.
Grafton	Taylor	1,000	28	37.7^{d}	+ 6.1	73^{d}	16	− 3^{d}	21	49^{e}	2.53	−0.77	0.80	10.0	6	5^{e}	7^{e}	11^{e}	e.	W. C. Byers.
Lost Creek	Harrison	1,026	23	37.8	+ 6.8	73	16	−10	21	51	2.58	−0.42	0.85	10.8	9	10	5	13	w.	Allen Smith.
Mannington	Marion	974	18	36.8	+ 5.8	74	16	− 7	21	49	2.48	−0.26	1.00	12.6	13	6	5	17	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	28	37.4	+ 5.9	72	17	2	21	45	1.28	−1.87	0.80	10.5	3	4	1	23	......	Prof. E. L. Andrews.
Moundsville	Marshall	642	18	35.8^{d}	+ 4.2	60^{d}	9†	16^{c}	21†	29^{e}	1.69	−0.54	0.55	3.0	7	4^{c}	6^{c}	15^{c}	nw.	G. W. Wright.
New Cumberland	Hancock	987	23	34.0	+ 6.3	70	16	9	21	48	2.33	−0.04	0.50	4.3	11	5	2	21	n.	Geo. W. Derouin.
New Martinsville	Wetzel	634	27	39.1	+ 6.9	75	16	9	21	48	2.05	−0.93	0.60	5.0	8	10	1	17	s.	Wm. Ankrom.
Parkersburg	Wood	638	34	38.2	+ 4.4	74	16	15	21	41	2.18	−1.06	0.49	6.5	13	6	4	18	sw.	U. S. Weather Bureau.
Parsons	Tucker	1,656	21	35.6	+ 5.9	73	16	− 7	21	53	3.22	−0.20	......	11.5	6	8	5	15	......	J. W. Swisher.
Philippi	Barbour	1,149	24	38.4	+ 7.2	72	16	2	21	47	2.44	−0.91	0.96	12.0	7	7	3	18	w.	Prof. M. B. Pimm.
Pickens	Randolph	2,697	18	35.6	+ 4.0	68	16	4	21	42	4.23	−0.63	1.25	25.0	11	10	6	12	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	34	......	......	......	......	......	......	....	3.15	−0.26	0.98	......	11	......	......	......	w.	J. F. Pierce.
Saint Marys	Pleasants	577	12	......	......	......	......	......	......	....	2.34	−0.86	0.65	5.7	12	......	......	......	sw.	Wm. Hughes.
Smithfield	Wetzel	835	15	34.0	+ 3.4	72	16	− 3	21	43	3.19	−0.43	0.98	10.0	12	12	8	8	sw.	G. M. Whisler.
Stony River Dam	Grant	......	1	31.6^{a}	......	64^{a}	15†	8	19	30^{a}	2.51	......	1.12	20.0	9	3	5	20	w.	A. C. Becker.
Terra Alta	Preston	2,612	20	31.8	+ 4.0	66	16	− 1	21	43	3.63	−0.15	0.90	21.5	16	8	2	18	w.	Dr. C. O. Gorby.
Wellsburg	Brooke	1,225	20	35.3	+ 7.8	71	16	3	21	47	2.52	−0.16	0.70	4.2	9	7	5	16	......	George P. Pfister.
Weston	Lewis	1,026	25	39.5	+ 7.6	74	16	− 1	21	46	3.56	−0.17	1.10	13.8	16	4	4	20	ne.	Weston State Hospital.
Wheeling	Ohio	645	34	35.4	+ 5.6	74	16	12	21	49	2.62	+0.09	0.60	6.1	11	3	5	20	w.	Miss M. B. Forsyth.
Averages and	extremes	......	....	36.7	+ 5.8	76	15†	−10	21	53	2.75	−0.50	2.00	11.6	10	7	5	16	w.	
Southern Division.																				
Bancroft	Putnam	574	17	37.8	+ 4.1	76	16	8	21	48	2.46	−1.45	0.77	11.2	11	7	2	19	nw.	E. H. Morrow.
Bluefield	Mercer	2,558	26	39.6	+ 5.7	70	15	16	24	37	3.39	+0.34	0.93	6.0	14	6	10	12	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	6	......	......	......	......	......	......	....	1.56	......	1.00	3.0	6	7	2	19	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	18	44.4	+ 6.0	78	15†	12	21	45	4.14	+0.56	1.35	9.0	7	13	1	14	w.	C. V. Lewis.
Clay	Clay	706	5	......	......	......	......	......	......	....	2.58	......	1.30	13.0	9	......	......	......	......	Mark King.
Cuba	Jackson	650	19	40.0	+ 7.2	75	15	8	21	47	2.68	−0.25	0.60	6.0	9	7	10	11	w.	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	5	......	......	......	......	......	......	....	2.21	......	0.54	4.0	11	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	5	......	......	......	......	......	......	....	2.14	......	0.50	......	9	......	......	......	......	Lockmaster.
Dam 22 O. R.	Jackson	538	6	......	......	......	......	......	......	....	2.01	......	0.80	4.5	6	......	......	......	......	U. S. Engineer Office.
Dam 26 O. R.	Mason	505	5	......	......	......	......	......	......	....	1.93	......	0.56	......	9	......	......	......	......	
Evans	Jackson	606	9	40.4	......	70	16	4	21	35	2.73	......	0.90	9.0	8	6	2	20	......	B. F. Sayre.
Gary	McDowell	1,426	5	34.6	......	67	16	20	23†	36	2.44	......	0.70	......	9	9	0	19	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	25	38.9	+ 6.5	74	16	12	21	45	4.42	+1.63	1.60	11.0	7	9	3	16	w.	W. H. Gwinn.
Hinton	..do	1,450	24	39.7	+ 5.7	76	16	16	21	45	3.30	+0.25	1.06	5.0	9	5	0	23	w.	J. B. Lavender, C. E.
Huntington	Cabell	538	27	39.2	+ 6.6	76	16	18	21	46	2.26	−1.06	0.76	8.5	9	8	0	20	......	L. H. Hutchinson.
Kanawha Falls	Fayette	618	2	......	......	......	......	......	......	....	1.91	......	1.00	10.0	6	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	5	......	......	......	......	......	......	....	2.73	......	1.11	......	12	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	21	36.8	+ 4.8	69	16	3	21	41	2.70	−0.19	0.83	7.0	6	10	3	15	nw.	Geo. T. Argabate.
Logan	Logan	687	18	42.1^{a}	+ 2.5	74^{a}	16	21	25	40^{a}	2.81	−1.30	0.94	18.0	9	10	1	17	w.	C. & O. R. R.
Marlinton	Pocahontas	2,131	22	31.2	+ 2.2	64	16	− 4	25	40	1.59	−1.78	0.95	10.0	6	4	10	14	sw.	S. L. Brown.
Miller	Fayette	......	1	......	......	......	......	......	......	....	2.68	......	0.97	......	11	......	......	......	......	J. R. Bays.
Point Pleasant	Mason	553	28	39.8	+ 6.2	74	16	10	21	47	2.60	−1.84	0.83	7.0	8	6	5	17	......	W. D. Holmes.
Powellton^{c}	Fayette	933	25	39.9	+ 4.5	75	16	8	25	53	3.08	+0.03	0.62	9.2	12	8	5	12	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	5	......	......	......	......	......	......	....	4.90	......	0.82	......	13	......	......	......	......	Raleigh Coal & Coke Co.
Renick	Greenbrier	1,653	5	......	......	......	......	......	......	....	2.96	......	1.40	6.5	3	......	......	......	......	Wm. B. Hill.
Robertsburg	Putnam	574	21	37.2	+ 4.3	74	16	5	21	47	2.71	−0.31	0.80	7.5	9	7	0	21	......	E. C. Brace, Jr.
Ryan	Roane	700	18	37.7	+ 4.5	75	16	− 5	21	50	2.77	−0.60	1.10	14.5	13	4	7	17	......	Wm. E. Ryan.
Sharples	Logan	......	1	......	......	......	......	......	......	....	2.41	......	0.68	10.0	8	......	......	......	......	C. E. Rippetoe.
Spencer	Roane	784	17	39.8	+ 6.0	71	16	10	21	53	2.56	−0.48	0.80	10.0	4	2	11	15	......	A. M. McKown.
Sutton	Braxton	839	15	......	......	......	......	......	......	....	....	......	......	......	.. ..	......	......	......	......	Lawrence Freeman.
Union	Monroe	2,250	17	36.4	+ 3.3	71	16†	8	21	44	2.36	−0.35	1.00	7.0	3	......	......	......	......	Edward H. Shanklin.
White Sulphur Springs	Greenbrier ††	1,940	11	36.4^{a}	......	71^{a}	14	15	24	46^{a}	2.55	......	1.10	5.0	6	12	2	14	......	J. M. Ayres.
Williamson	Mingo	660	21	40.6	+ 4.5	70	15†	22	4	34	3.43	+0.28	1.72	14.0	11	12	1	15	w.	J. F. Keyser.
Averages and	extremes	......	....	38.7	+ 5.0	78	15†	− 5	21	53	2.72	−0.38	1.72	8.8	9	8	4	16	w.	
State averages and	extremes	......	....	37.4	+ 5.5	79	16	−10	21	59	2.61	−0.45	2.00	10.8	9	8	5	15	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for February, 1921.

Stations.	Drainage-basin.	Day of month.																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac	.08	.08	.16	.15					.88		.08	.16	T.		.30				T.	1.04			T.	.16	T.			.07				3.16
Brandywine	do					T.				.15	T.									*	.90		.05										1.10
Burlington	do	T.	T.			T.		*	*	.77										*	1.10	.16	.20										2.23
Harpers Ferry |||	do	.08	.05							.30											.64	.55	T.						.11				1.73
Martinsburg	do		.05			.17		.05		.48	.05										1.35	.05						T					2.20
Moorefield	do	.15				T.				.35											1.20		.02										1.72
Piedmont	do	T.	.04	T.		.12	T.	T.	T.	.51	.10	T.	.04				T.				1.30		.13	.05	T.								2.29
Romney	do	T.	T.							.40											.88					.10							1.38
Upper Tract	do								.10	T.		T.										.72	.60										1.42
Wardensville|||	do	.05							.15	.22												.72	.16										1.30
Northern Division.																																	
Bens Run	Ohio					.55		.08		.15	.25	.20	.01					.12			.80			.15			.16						2.47
Bruceton Mills |||	Monongahela		.06	.02		.48		.04	.05	.43	T.	.30	.11						T.	T.	.94	T.	.70	.35	.20	T.	T.		T.				3.68
Buckhannon	do					.35		.15		.74		.45								.04	1.60												3.33
Cairo			.01			.38		.04	T.	.63		.33		T.				.15	T.	.01	.82		.02	.20	T.		T.		T.				2.59
Cortland |||	Monongahela		.16			.18		.16	.64		.11	.08								.64	.32				.16								2.45
Creston |||	Little Kanawha	T.	T.	T.			.50		.03	2.00	T.	.10	.04					.05		T.	.80	T.	T.	.20	T.	T.							3.72
Davis |||	Monongahela	.50	T.				.44	.08		.50	.06	.04	.16					T.	T.	T.	.72	.08	.16	.16	.08	.08	T.						3.06
Elizabeth|||	Little Kanawha		.02				.48		.02			.37						.15			.95		.02	.14									2.15
Elkins***	Monongahela	.01	.03			.14		.18	.03	.90	T.	.35	T.					.08		.50	.64	T.		.18	.05	T.			T.				3.09
Fairmont |||	do	.10	T	T.	T.		.37		.03	.43	T.	.17	.15					.06	T.		.62	T.	T.	.23	.02	T.	T.	T.	T.				2.18
Glenville |||	Little Kanawha		.05	.04			.45		.10	.80	T.	.24	.12							.05	1.16			.20	T.		T.						3.21
Grafton|||	Monongahela	.49	T.				.40			.48	T.	*	.36	T.				T.				.80	T.						T.				2.53
Lost Creek	do.	T.	.05	T.		.28		.08	.05	.78		.31	T.					T.		.02	.85			.16	T.		T.		T.				2.58
Mannington	do	T.	.03	.01		.33	.01	.03		.29		.30	.06					.10	T.	T.	1.00		.01	.28	.03				T.				2.48
Morgantown	do					.44						.04	T.							T.	.80												1.28
Moundsville |||	Ohio						.55		.15	.10		.35									.24			.15				.15					1.69
New Cumberland|||	do			T.	T.		.46		.18	.32	.02	.32	.02					.02			.50			.26	.02			.21					2.33
New Martinsville	do		T.			.50		.10		.10	.15	.35								T.	.60			.15			.10						2.05
Parkersburg ***	Ohio	.04	.01			.43		.03	T.	.28	.44	.12					.12		T.	.22	.27	T.		.16	.02	T.	.04		T.				2.18
Parsons	Monongahela					*				2.00		.08						T.		T.	.76			.30	.08								3.22
Philippi	do		T.			.26	.02	.14		.63			T							.20	.96		T.	.23	T.								2.44
Pickens	do					.42		.26		1.25		.48	.32	.08				.25	T.	.05	.80			T	.24	.08	T.						4.23
Rowlesburg |||	do	.09	.05				.32		.22	.65		.26	.26					T.	T.		.98	.04		.16	.12	T.							3.15
Saint Marys |||	Ohio	.05	.03				.53		.06	.26		.45	.05					.10	.02		.65			.12				.02					2.34
Smithfield |||	Fishing Creek	.10	.05				.36		.07	.37		.22	.17					.02			.80			.98	T.			.03	.02				3.19
Stony River Dam|||	Monongahela	.08					.16		.10	.45	.20		.16							T.	1.12	.08			.16								2.51
Terra Alta	do		.08	.08		.33	.05	.12	.34	.53	.02	.24	.08					.10		.04	.90			.40	.24	.08	T.						3.63
Wellsburg	Ohio	.08		T.		.55		.18			.21	.70									.40		T.	.25	T.	T.	.10	.05					2.52
Weston	Monongahela		.04	.01		.31	.05	.10	.10	.87	.01	.42	.03					.12		.10	1.10		T.	.26	.03	.01			T.				3.56
Wheeling |||	Ohio	.07	T.	T.	T.		.57		.06	.07		.60	.11					.14	T.		.48		T.	.35	.02	T.		.15					2.62
Southern Division.																																	
Bancroft |||	Great Kanawha	.02	.10				.44		.06	.50	T.	.30	.02					.05		T.	.77	.05		.15	T.	T.							2.46
Bluefield	do	T.	T.	.03		.05			.18	.63	.58	.09	.04	.12				T.		.10	.04	.32	.24	.93	.04			T.					3.39
Camden-on-Gauley|||	do	T.	T.			.22		.10		1.00			.08	T.					T.		.08				.08								1.56
Charleston |||	do		.35				.74		.15	1.35	.15	.20	T.					T.		T.	1.20	T.		T	T.								4.14
Clay |||	do						.11		.21		.56	.08	.09	.06					T.		1.30	.05	T.	.12	T.	T.							2.58
Cuba	Sand Creek	T.			.50		.05		.60	.10	.30						.10			T.	.48			.50	T.		.05						2.68
Dam 19 O. R. |||	Ohio		T.	.02		T.	.53		.05	.30	.03	.54	.02					.18			.35	T.		.16	T.	T.		.03	T.				2.21
Dam 20 O. R. |||	do						.44		.05	.42		.50	.03					.15			.34			.16				.05					2.14
Dam 22 O. R. |||	do						.40		.02	.80	T.	.40									.35	T.			.04	T.							2.01
Dam 26 O. R. |||	do						.35		.03	.56		.42								.05	.43	.05	.03	.01									1.93
Evans	Ohio		.07			.53		.04		.90	.14	.30	T.							.15	.60												2.73
Gary|||	Big Sandy						.14		.07	.02	.46	.25		.06							.70	T.	.70	T.	T.			.04					2.44
Green Sulpr. Spgs.	do					.25	T.			1.47	1.60	.08	.16					.22		T.	.64			T.									4.42
Hinton |||	do		.08				.10		T.	.64	.50	.64	.04	T.				T.			1.06	.18	T.	.06	T.	T.							3.30
Huntington |||	Ohio		.04				.32		.02	.56		.40						.10		.04	.72	T.	.06		T.								2.26
Kanawha Falls|||	Great Kanawha						.18		T.	.15	.25	.15	.18								1.00			T.	T.								1.91
Kayford|||	do	.21	T	.05			.12		.02	.27	.32	.30	T.					.08			1.11	*	.10	.09	*	.06							2.73
Lewisburg	do		.10			.09		T.		.83	.58	T.	T.							T.	.80			.30					T				2.70
Logan	Guyandotte	T.	T.			.30				.50	.10	.36	.10							.40	.94		.06	.05	T.	T.							2.81
Marlinton	Great Kanawha	T.	.05			.26		.06	T.		.27	T.	T.						T.	.10	.85	T.		T.	T.		T.						1.59
Miller |||	Meadow Creek	.03					.28		.06	.19	.50	.18		.26				.11			.97	.08			.02								2.68
Point Pleasant	Ohio		T			.40				.47	.17	.66						.12		.14	.60		.04										2.60
Powellton	Great Kanawha		.08			.10	*	.60		.56	.11	.05	.14								.34	.62	.17	.31	T.								3.08
Raleigh |||	do	.25	.35			.26			.31	.82	.57	.36	.16	.05				.12			.70	.65			.30								4.90
Renick |||	do									.96		.60	T.								1.40	T.											2.96
Robertsburg |||	do		.04			.05	.42		.05	.80		.42									.56		.27	.10									2.71
Ryan	do.		.09			.37		.10	.01	.61		.13	.01					.11		.10	1.10		.01	.12	.01		T.						2.77
Sharples |||	Coal River	.01		.10			.25			.45	.20	.40									.68	.32											2.41
Spencer |||	Little Kanawha		T				.50			.75											.80				.51								2.56
Sutton	Great Kanawha																																....
Union	do									.80	1.00											.56											2.36
White Sulphur Spgs.	do	.08	T.			.20			.25	.60	1.10	T.								.32	T.												2.55
Williamson |||	Big Sandy		.05			T.	.20		.02	.70	.20	.34	.07								1.52	.20	.03	.10	T.				T.				3.43

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for February, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum...	29	30	33	50	54	43	55	46	58	50	46	30	45	52	67	69	63	45	35	30	32	34	38	28	26	45	49	42	..	..	..	43.7
	Minimum ...	25	22	23	16	24	31	21	35	34	30	27	24	26	32	19	28	37	11	20	22	−10	20	12	17	13	8	16	25	..	..	..	21.7
Brandywine	Maximum...	40	38	42	50	54	55	60	55	60	50	45	40	57	63	70	72	65	50	47	35	37	48	45	35	37	48	52	53	..	..	..	50.1
	Minimum ...	28	26	20	17	25	32	21	40	30	30	32	30	26	32	19	29	35	18	19	20	− 4	21	22	8	3	14	17	19	..	..	..	22.5
Burlington	Maximum...	32	35	43	54	50	50	49	45	53	48	43	50	52	59	55	75	63	38	37	31	30	37	44	38	34	42	46	48	..	..	..	45.8
	Minimum ...	27	25	29	24	25	29	22	40	37	32	33	30	32	31	19	24	37	20	21	25	− 7	13	15	24	14	15	22	33	..	..	..	24.7
Martinsburg§	Maximum...	30	35	44	53	52	49	53	45	46	38	45	43	53	61	53	74	60	38	42	30	31	36	46	32	37	41	44	54	..	..	..	45.2
	Minimum ...	28	26	27	32	31	31	29	32	36	33	34	31	31	33	24	25	30	22	22	27	8	9	24	26	17	19	26	33	..	..	..	26.6
Moorfield	Maximum...	36	37	47	61	55	55	52	52	60	57	43	44	60	65	63	79	75	52	52	43	36	40	46	40	40	49	53	52	..	..	..	51.6
	Minimum ...	32	29	32	36	37	41	34	41	47	42	37	34	36	45	37	57	34	26	31	31	10	31	24	28	28	23	29	33	..	..	..	33.9
Piedmont	Maximum...	32	33	38	52	46	45	46	44	50	48	46	35	49	55	52	74	56	38	35	34	32	36	40	30	32	42	46	44	..	..	..	43.2
	Minimum ...	26	24	28	29	32	36	27	38	36	35	33	30	33	34	22	30	36	17	22	27	− 1	20	21	23	13	17	24	35	..	..	..	26.7
Romney	Maximum...	41	40	45	59	58	55	58	..	..	..	..	..	..	..	58	78	72	65	60	53	54	39	46	40	36	46	55	53	..	..	..	52.9
	Minimum ...	26	24	29	26	29	28	22	36	39	30	36	30	32	30	19	26	44	26	30	24	− 5	21	20	24	9	18	28	33	..	..	..	26.2
Upper Tract	Maximum...	40	..	45	50	55	..	..	64	63	61	50	45	45	40	67	67	60	60	51	40	39	40	45	40	39	40	45	51	..	..	..	49.7
	Minimum ...	28	..	26	24	20	..	..	21	22	29	30	30	28	30	30	29	19	17	16	13	3	18	20	7	5	17	16	29	..	..	..	21.1
Northern Division.																																	
Bens Run	Maximum...	35	35	42	54	46	49	49	48	54	48	43	40	51	59	72	72	64	34	35	38	38	40	44	28	35	45	60	43	..	..	..	46.6
	Minimum ...	28	30	30	26	38	36	30	38	42	36	32	29	31	31	26	38	28	17	18	26	10	22	22	22	21	27	34	35	..	..	..	28.7
Buckhannon	Maximum...	35	36	40	55	52	50	60	53	54	60	54	37	52	58	68	70	60	45	32	34	37	45	41	28	36	50	54	54	..	..	..	48.2
	Minimum ...	28	30	28	25	32	37	28	41	45	35	29	30	31	38	25	42	45	17	25	28	− 2	26	26	22	20	22	32	36	..	..	..	29.3
Cairo	Maximum...	36	36	44	54	52	47	54	50	53	49	48	39	52	58	69	73	73	45	32	36	37	41	44	31	35	45	57	54	..	..	..	48.0
	Minimum ...	28	30	30	21	31	36	26	39	40	30	32	29	27	28	23	31	42	15	27	28	0	30	26	22	19	20	31	36	..	..	..	27.8
Creston	Maximum...	37	37	52	58	57	52	53	52	55	52	50	35	56	60	74	76	75	49	35	37	38	44	47	31	36	48	55	52	..	..	..	50.1
	Minimum ...	29	30	30	21	31	37	28	38	43	31	33	33	30	30	25	34	44	18	27	29	2	31	28	22	19	21	30	38	..	..	..	29.0
Elkins	Maximum...	33	32	39	54	51	42	64	58	55	53	50	31	50	55	70	71	62	33	33	31	37	39	45	22	30	47	54	39	..	..	..	45.7
	Minimum ...	26	26	25	22	28	28	24	41	42	35	27	28	29	29	23	38	22	13	24	20	3	30	21	17	18	15	27	34	..	..	..	25.5
Fairmont§	Maximum...	36	32	39	55	55	41	53	53	54	50	35	38	52	59	70	73	53	35	32	32	41	43	38	29	35	46	62	40	..	..	..	45.9
	Minimum ...	29	30	29	24	25	36	28	31	37	35	34	30	30	35	23	25	43	15	16	27	7	11	31	23	17	22	31	32	..	..	..	27.0
Glenville	Maximum...	40	38	46	61	57	51	55	58	59	60	57	40	58	63	76	76	75	49	37	37	43	46	47	32	38	50	60	61	..	..	..	52.5
	Minimum ...	29	30	30	20	29	36	25	42	42	33	32	30	31	28	23	33	44	18	25	28	− 5	30	26	22	15	19	28	37	..	..	..	27.9
Grafton	Maximum...	36	33	40	56	46	43	40	55	55	52	34	41	53	54	71	73	52	33	39	33	..	..	..	..	45	53	60	43	..	..	..	47.5
	Minimum ...	28	29	28	23	31	36	24	35	39	32	33	29	30	32	22	33	43	15	24	27	− 3	..	..	..	..	19	30	31	..	..	..	27.9
Lost Creek	Maximum...	34	34	41	58	57	47	57	49	55	55	55	36	54	60	71	73	67	44	31	31	38	40	45	29	33	48	59	52	..	..	..	48.3
	Minimum ...	28	30	28	20	30	35	24	38	40	33	30	29	31	37	20	39	42	13	24	27	−10	29	27	21	17	20	28	36	..	..	..	27.4
Mannington	Maximum...	34	34	39	53	52	47	52	48	54	49	46	39	50	57	70	74	71	43	32	31	37	38	43	29	33	45	57	47	..	..	..	46.6
	Minimum ...	28	30	29	21	30	35	25	36	38	33	31	29	33	33	21	31	42	14	24	28	− 7	31	26	21	11	20	30	29	..	..	..	26.9
Morgantown	Maximum...	32	35	35	54	55	43	55	49	54	44	48	35	48	54	67	71	72	42	33	31	37	35	45	28	32	46	57	50	..	..	..	46.0
	Minimum ...	26	28	25	28	42	33	30	33	36	32	30	27	31	39	22	54	42	14	22	24	2	26	27	20	14	26	37	35	..	..	..	28.8
New Cumberland	Maximum...	33	32	37	47	42	45	40	44	45	41	35	37	47	44	66	70	42	32	44	37	37	41	37	26	32	42	54	38	..	..	..	41.7
	Minimum ...	24	25	28	29	30	35	29	31	31	35	33	32	28	34	20	22	39	17	20	22	9	12	33	22	15	20	32	29	..	..	..	26.3
New Martinsville	Maximum...	36	38	43	55	51	51	50	48	54	48	47	42	54	56	72	75	70	48	36	40	41	41	44	32	36	48	60	48	..	..	..	48.7
	Minimum ...	28	30	30	26	34	36	30	36	40	32	32	30	32	34	24	40	34	17	26	28	9	32	30	23	20	28	33	32	..	..	..	29.5
Parkersburg	Maximum...	35	32	45	55	48	49	50	49	54	45	39	39	54	58	71	74	53	33	31	36	36	40	47	28	36	45	54	42	..	..	..	45.6
	Minimum ...	28	29	30	31	39	36	34	38	38	35	31	32	31	35	30	51	25	18	27	25	15	34	26	23	24	27	36	34	..	..	..	30.9
Parsons	Maximum...	33	32	37	56	53	44	60	58	57	53	51	33	50	58	72	73	62	33	36	34	46	38	38	26	30	58	58	38	..	..	..	47.0
	Minimum ...	27	29	26	18	25	29	22	38	39	32	29	27	30	30	20	28	33	15	19	24	− 7	27	20	20	15	11	23	26	..	..	..	24.1
Philippi	Maximum...	36	35	37	56	57	46	65	53	56	56	52	34	50	56	70	72	69	43	31	31	42	38	47	28	30	49	56	54	..	..	..	48 2
	Minimum ...	25	27	26	29	40	33	31	36	36	32	32	26	26	40	23	51	40	13	22	24	2	30	26	19	16	25	36	34	..	..	..	28.6
Pickens	Maximum...	42	39	42	50	59	49	59	58	54	56	49	34	48	47	67	68	59	42	36	35	40	37	42	22	31	45	55	40	..	..	..	46.6
	Minimum ...	29	22	22	18	39	32	38	41	42	42	21	18	23	23	25	40	20	20	18	20	4	27	11	11	12	12	30	27	..	..	..	24.5
Terra Alta	Maximum...	45	36	32	46	51	42	53	45	52	43	46	26	43	45	61	66	60	33	32	28	25	33	40	23	25	45	41	40	..	..	..	41.3
	Minimum ...	24	21	22	18	26	30	22	34	33	30	25	23	21	33	18	33	33	10	9	22	− 1	18	22	15	10	15	26	30	..	..	..	22.2
Wellsburg	Maximum...	34	34	37	50	45	46	44	44	50	43	39	39	48	47	67	71	68	31	37	38	36	39	43	30	36	45	46	45	..	..	..	44.0
	Minimum ...	25	28	28	16	33	35	27	31	41	33	31	26	33	33	20	31	30	17	19	28	3	30	29	22	13	22	33	29	..	..	..	26.6
Weston	Maximum...	35	35	42	58	55	48	57	50	54	55	55	37	52	61	72	74	71	49	32	32	37	39	47	31	35	48	59	55	..	..	..	49.1
	Minimum ...	29	30	29	24	35	37	27	40	42	34	31	30	32	36	26	46	44	17	27	28	− 1	31	30	21	21	23	31	37	..	..	..	29 9
Wheeling§	Maximum...	35	32	35	50	41	50	45	49	52	44	35	43	52	54	73	74	52	34	38	41	41	43	37	28	38	45	60	39	..	..	..	45.1
	Minimum ...	25	25	27	26	27	36	30	33	34	35	34	29	30	33	24	40	39	16	21	25	12	15	34	20	16	24	35	32	..	..	..	27.8
Southern Division.																																	
Bluefield	Maximum...	35	33	43	53	50	54	62	60	62	51	50	30	57	62	70	68	65	52	37	33	30	44	43	32	36	44	46	50	..	..	..	48.4
	Minimum ...	27	29	24	25	38	37	39	47	48	49	29	26	27	30	33	45	42	20	29	25	22	23	30	16	19	21	33	32	..	..	..	30.9
Charleston	Maximum...	62	59	60	70	55	58	57	65	62	59	60	62	66	67	78	78	72	65	59	55	47	40	40	41	52	58	60	58	..	..	..	59.5
	Minimum ...	38	37	39	41	37	31	32	34	31	32	31	31	35	35	37	39	39	20	19	25	12	19	20	19	19	20	25	22	..	..	..	29.4
Gary§	Maximum...	34	36	30	58	37	37	47	55	60	50	40	33	58	33	34	67	42	38	37	34	40	40	23	27	29	36	40	39	..	..	..	40.5
	Minimum ...	32	27	29	22	22	32	30	32	36	47	38	32	30	31	32	33	33	23	22	32	22	21	20	20	22	23	27	35	..	..	..	28.8
Green Sulphur Spgs.	Maximum...	35	35	47	57	52	62	60	58	57	53	42	34	58	65	72	74	63	50	38	34	33	43	40	34	39	48	54	49	..	..	..	49.5
	Minimum ...	29	29	28	17	17	29	45	40	48	38	31	29	27	28	28	29	40	19	29	29	12	26	26	20	14	18	31	37	..	..	..	28.3
Hinton§	Maximum...	36	36	53	60	47	61	67	60	57	47	40	35	64	69	75	76	66	43	39	34	35	44	45	38	44	49	57	55	..	..	..	51.1
	Minimum ...	30	30	30	23	23	30	29	30	47	42	37	30	30	30	30	33	33	23	20	32	16	20	28	20	20	18	25	33	..	..	..	28.3
Huntington§	Maximum...	35	34	50	60	42	56	52	58	55	53	39	38	60	67	75	76	53	36	31	41	39	46	40	32	42	51	45	45	..	..	..	48.2
	Minimum ...	30	30	32	26	30	38	32	34	42	38	36	35	35	35	30	30	44	19	19	28	18	21	33	24	21	21	30	38	..	..	..	30.3
Lewisburg	Maximum...	30	32	45	54	46	52	60	59	57	54	44	30	56	62	67	69	62	48	35	34	34	42	38	30	34	43	49	45	..	..	..	46.8
	Minimum ...	27	26	25	17	25	37	27	47	45	37	30	27	27	34	26	28	39	16	28	26	3	23	21	18	10	14	30	34	..	..	..	26.7
Marlinton	Maximum...	28	32	36	46	40	46	50	54	52	40	40	30	48	54	60	64	50	36	36	34	34	36	34	22	30	38	46	40	..	..	..	41.3
	Minimum ...	24	24	22	10	16	28	18	38	40	38	26	22	22	26	20	24	34	12	20	22	− 2	22	20	14	− 4	6	22	24	..	..	..	21.0
Point Pleasant	Maximum...	36	37	49	57	57	52	50	53	56	57	43	40	57	64	73	74	69	42	33	40	39	41	43	32	41	45	51	46	..	..	..	49.2
	Minimum ...	27	29	29	26	38	38	29	39	45	34	33	32	30	32	26	46	41	16	26	27	10	32	29	22	18	25	34	36	..	..	..	30.3
Powellton	Maximum...	40	40	46	58	52	..	64	63	61	60	56	35	..	66	74	75	69	53	..	34	42	46	46	50	38	52	52	48	..	..	..	52.8
	Minimum ...	21	33	31	25	33	..	22	37	43	35	34	24	..	33	21	41	45	10		22	23	32	22	13	8	14	24	30	..	..	..	27.0
Robertsburg§	Maximum...	35	33	35	60	59	55	51	59	56	57	37	38	58	60	65	74	52	37	32	37	39	47	38	31	38	48	50	45	..	..	..	47.4
	Minimum ...	29	29	30	24	27	37	29	31	40	35	35	34	30	33	27	27	41	18	18	21	5	15	28	23	15	16	29	33	..	..	..	27.1
Ryan	Maximum...	38	36	48	58	47	51	58	56	57	62	54	37	55	63	73	75	67	40	31	36	36	42	46	30	35	48	55	44	..	..	..	49.2
	Minimum ...	27	28	26	18	19	38	21	41	43	31	31	30	30	27	23	31	40	23	13	27	− 5	26	29	21	11	20	28	36	..	..	..	26.2
Spencer§	Maximum...	45	41	44	57	50	49	56	60	53	56	55	56	50	57	61	71	61	69	40	30	37	41	29	31	48	51	51	49	..	..	..	50.0
	Minimum ...	27	30	29	23	34	46	27	30	41	33	33	36	33	32	25	51	51	16	16	28	10	30	29	21	14	21	21	39	..	..	..	29.5
Union	Maximum...	30	33	43	53	57	60	61	63	64	58	47	33	45	64	65	71	71	54	41	31	30	42	40	33	28	30	43	52	..	..	..	47.9
	Minimum ...	23	27	27	19	30	31	30	28	30	29	30	28	30	27	25	27	41	18	30	15	8	21	25	15	14	16	25	32	..	..	..	25.0
White Sulphur Spgs.	Maximum...	34	41	45	18	55	63	69	56	44	39	42	55	64	71	68	59	40	41	36	31	36	40	30	37	46	44	48	..	..	..	..	47.3
	Minimum ...	28	27	16	17	26	23	25	44	42	38	27	30	33	25	25	26	19	20	28	17	18	27	20	15	16	19	37	26	..	..	..	25.5
Williamson§	Maximum...	41	35	45	56	50	53	62	62	67	61	39	37	56	64	70	70	55	35	35	33	40	46	41	33	40	53	42	49	..	..	..	48.9
	Minimum ...	33	34	31	22	28	36	33	37	50	46	38	34	33	33	36	37	40	23	23	30	25	25	34	23	24	24	30	39	..	..	..	32.2

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXIX. PARKERSBURG, W. VA., OCTOBER, 1921. No. 10.

GENERAL SUMMARY.

The month averaged slightly cooler and somewhat drier than usual and the rainfall was unfavorably distributed. Over the central and southern counties the precipitation was near the normal and ample, while the amounts received over the two panhandle sections and west-central counties were much deficient. Then nearly one-half of the month's rainfall was received on the 30th-31st. The first half of the month was cool. While scattered light frosts occurred on the 1st, 2d, and 7th, growth continued until the 13th and 14th, when there were killing frosts. Not much damage resulted, however, owing to the lateness of the season. The conditions were excellent for drying and husking corn. The germination and growth of wheat was somewhat retarded by dry weather. At the close of the month corn was exceptionally dry for the season.

PRESSURE.

The mean sea-level pressure at Parkersburg and Elkins was 30.05 and 30.08 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.57 inches on the 14th, and 29.64 inches on the 31st. Elkins, 30.63 inches on the 14th, and 29.65 inches on the 31st.

TEMPERATURE.

The monthly mean for the State, determined from 49 stations, was 53.7°. The departure from the normal for 45 stations having ten or more years of record was −1.4°. The first fifteen days were cooler than usual, except the 2d, 7th, and 10-11th, and heavy to killing frosts, with temperature slightly below freezing, occurred on the 13th and 14th. After the 16th the temperature was continuously above the normal, except the 20th-21st, with the highest readings occurring generally on the 24th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 80 per cent; 8 p. m., 67 per cent. The October averages for the same hours for the past 33 years are 83 and 70 per cent, respectively. Elkins, 8 a. m., 90 per cent; 8 p. m., 76 per cent. The October averages for Elkins for the same hours for the past 21 years are 89 and 78 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 70 stations, was 2.48 inches. The departure from the normal for 49 stations having ten or more years of record was −0.36 inch. Practically all the rainfall was received on the 3-4th, 8th, 12th, 19-20th, and 30th-31st, with the greatest amounts on the 3d and 30th-31st. There were scattered snow flurries on the 4th, 6th, 8th, 9th, and 12th, measureable amounts being received at a few of the more elevated stations on the 12th.

WIND.

The average wind velocity at Parkersburg was 5.4 miles per hour, or 0.5 mile above the October average for 31 years. The average at Elkins was 5.3 miles per hour, or 1.9 miles above the October average for 22 years. The highest velocity at Parkersburg was 29 miles per hour from the northwest on the 7th, and at Elkins 25 miles per hour from the west on the 7th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 69 per cent of the possible amount, or 19 per cent above the October average for 24 years. The average at Elkins was 61 per cent, or 14 per cent above the October average for 22 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bluefield, 1st: Cairo, 2d, 5th, 6th, 7th, 10th, and 11th; Charleston, 11th; Elkins, 2d, 7th, 14th, 15th, 16th, 17th, 19th, and 24th; Glenville, 19th; Grafton, 1st, 6th, 7th, and 22d; Hinton, 6th, 7th, 10th, 16th, aud 22d; Huntington, 19th and 31st; Mannington, 1st, 11th, and 24th; Moundsville, 16th, 17th, 22d, 23d, 24th, and 29th; New Cumberland, 11th, 15th, and 29th; Parkersburg, 11th, Romney, 7th, 16th, 17th, and 18th; Terra Alta 14th 15th, and 16th; Weston, 1st, 11th, and 19th; Wheeling, 11th, 14th, 15th, 16th, 17th, 23d, 24th, 25th, 28th, and 29th; Williamson, 17th, 18th, 19th, 23d, 24th, and 25th.

Hail: Bruceton Mills, 4th; Stony River Dam, 20th; Weston, 8th.

Sleet: Evans, 12th; Parkersburg, 12th; Smithfield, 4th, 8th, and 12th; Wheeling, 8th.

Smoke, dense: Lost Creek, 24th, 25th, and 26th.

Thunderstorms: Lewisburg and Mannington, 31st; Smithfield, 30th and 31st.

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	51.5	95	21	1.97	2.91	T.	......	......	......	......
1892	52.6	89	24	0.83	1.45	0.21	......	......	......	......
1893	54.1	86	16	4.74	7.22	1.00	......	21	6	4
1894	54.4	88	22	2.32	3.85	1.17	T.	16	8	7
1895	48.1	89	8	1.29	2.25	0.16	T.	22	5	4
1896	51.0	82	20	2.08	4.37	0.45	T.	14	9	8
1897	58.2	95	22	0.53	2.27	0.07	0	18	7	6
1898	55.6	95	19	4.84	8.50	2.48	T.	11	10	10
1899	56.8	91	19	1.42	3.81	0.23	0	15	7	9
1900	60.9	97	24	2.33	4.80	1.15	0	16	8	7
1901	54.3	86	19	0.54	1.95	0.12	0	19	6	6
1902	56.5	87	17	2.63	5.50	0.90	T.	16	8	7
1903	54.2	96	15	2.55	4.75	0.80	T.	17	7	7
1904	54.5	92	16	1.59	3.02	0.37	T.	18	8	5
1905	54.2	95	19	4.71	8.26	2.46	T.	13	8	10
1906	54.5	86	12	3.09	8.15	1.64	1.3	11	6	14
1907	50.3	87	19	2.65	5.12	0.54	0.1	15	9	7
1908	55.1	91	16	1.60	6.88	0.33	T.	18	7	6
1909	50.0	88	14	2.79	5.27	0.60	0.1	16	7	8
1910	58.1	95	15	1.35	2.96	0.50	0.7	18	7	6
1911	56.3	88	23	5.28	9.65	3.27	0	12	7	12
1912	55.5	93	20	1.34	3.10	0.20	T.	18	7	6
1913	54.5	92	12	4.50	8.11	1.78	0.3	12	6	13
1914	57.3	91	14	2.94	6.72	1.37	T.	12	8	11
1915	56.6	89	20	4.11	5.55	0.74	T.	17	7	7
1916	54.1	97	16	2.38	4.35	0.91	T.	19	5	7
1917	49.2	89	16	4.35	6.49	1.18	5.5	15	6	10
1918	58.2	89	24	3.68	7.53	1.59	T.	15	7	9
1919	62.3	102	25	5.84	11.88	2.13	0	9	7	15
1920	57.5	90	21	1.15	2.53	0.10	0.1	22	4	5
1921	53.7	88	21	2.48	5.76	0.30	0.1	18	5	8
Means and extremes	54.8	102	8	2.72	11.88	T.	0.3	16	7	8

Climatological Data for October, 1921.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	20	49.6	+ 0.8	75	2	21	14	46	2.62	−0.80	0.72	0.5	11	20	2	9	w.	U. G. Clark.
Brandywine	Pendleton	......	5	52.8	......	82	10	21	14	55	1.15	......	......	0	3	24[c]	0[c]	4[c]	s.	Elmer Keister.
Burlington	Mineral	875	27	52.2	− 1.7	75	7†	23	27†	45	1.38	−0.89	......	T.	4	18	10	3	w.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	32	......		......	......	......	......	......	0.32	−2.52	0.13	0	4	......	......	......	se.	S. W. Lightner.
Martinsburg	Berkeley	435	29	54.9	+ 0.3	81	10	31	27	40	1.00	−1.72	0.48	0	6	23	6	2	w.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	25	57.4[b]	+ 1.8	84[b]	10	30[a]	13†	50[b]	0.72	−1.51	......	0	5	28[c]	0[c]	0[c]	......	M. S. Henkel.
Piedmont	Mineral	919	8	52.8	......	78	7†	29	14	39	1.72	......	0.56	0	8	17	1	13	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	23	55.2	0	87	7	25	28	50	1.21	−1.29	0.38	0	5	19	7	5	......	Geo. E. Arnold.
Upper Tract	Pendleton	1,230	22	53.8[d]	− 1.7	88[d]	11	24[d]	14	51[d]	0.30	−1.90	0.30	0	1	22	1	8	w.	J. M. Mallow.
Wardensville††	Hardy	1,200	3	54.7[a]	......	82[a]	24	20	21	60[a]	0.28	......	0.22	0	3	15	6	10	nw.	Luther F. Sutton.
Averages and	extremes	......	....	53.6	− 0.1	88	11	21	14	60	1.16	−1.52	0.72	0.1	5	22	3	6	w.	
Northern Division.																				
Bens Run	Pleasants	622	19	55.8	− 0.9	79	17†	33	13†	41	1.89	−1.22	0.80	0	7	21	5	5	......	J. D. Riggs.
Bruceton Mills	Preston	1,549	1	......		......	......	......	......	....	2.91	−0.87	0.73	T	11	14	7	10	w.	W. M. Wolf.
Buckhannon	Upshur	1,411	24	52.8	− 0.6	76	2	28	14†	38	2.32	−1.14	1.10	T.	7	17	10	4	......	H. A. Darnall.
Cairo	Ritchie	680	22	54.4	− 2.4	79	24	28	13	42	3.28	+0.20	1.11	0	8	18	4	9	......	O. C. Hess.
Cheat Bridge	Randolph	3,558	3	......		......	......	......	......	....	3.88	......	0.98	2.0	12	17	5	9	......	H. F. Cromer.
Cortland	Tucker	3,300	10	......		......	......	......	......	....	2.78	−0.55	1.02	1.0	7	20	6	5	......	G. W. Harmon.
Creston	Wirt	701	19	55.7	− 0.1	82	24	28	14	47	2.53	−0.48	0.95	T.	10	20	2	9	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	0	......		......	......	......	......	....	3.61	......	1.39	0	9	......	......	......	w.	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	0	......		......	......	......	......	....	2.83	......	0.98	0	9	......	......	......	w.	Lockmaster.
Davis	Tucker	3,093	12	......		......	......	......	......	....	......	......	......	......	......	......	......	......	......	Ross C. Male.
Elizabeth	Wirt	646	9	......		......	......	......	......	....	2.06	......	1.00	0	4	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	20	51.3	− 0.1	77	24	27	14	44	3.30	+0.88	1.29	T.	10	15	6	10	w.	U. S. Weather Bureau.
Fairmont	Marion	883	15	53.4	− 2.1	76	2	30	14	41	3.32	+0.58	1.20	T.	12	21	1	9	w.	Creed E. Bolyard.
Glenville	Gilmer	738	27	56.3	+ 0.3	85	24	27	27	51	2.98	−0.07	1.20	0	10	20	4	7	w.	Howard R. Brannon.
Grafton	Taylor	1,000	28	53.1	+ 2.5	80	2	28	14	48	4.07	+1.17	......	T.	12	15	14	2	e.	W. C. Byers.
Lost Creek	Harrison	1,026	23	52.0	+ 2.8	77	24	23	14	47	2.38	−0.35	1.12	T.	4	21	3	7	w.	Allen Smith.
Mannington	Marion	974	18	52.2	− 2.3	76	24	27	14†	42	3.03	+0.09	1.07	0	12	18	7	6	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	28	55.3	− 0.2	77	24	30	14†	42	2.57	−0.59	0.92	0	5	9	10	12	......	Prof. E. L. Andrews.
Moundsville	Marshall	642	18	54.8[a]	− 1.2	79[a]	24	30	13†	41[a]	1.52	−1.59	0.41	0	9	16	15	0	sw.	G. W. Wright.
New Cumberland	Hancock	987	23	52.3	− 2.2	76	24	30	27	38	1.98	−1.01	0.43	0	9	19	6	6	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	27	56.0	− 1.1	81	24	31	27	46	1.90	−0.98	0.70	0	7	16	3	12	s.	Wm. Ankrom.
Parkersburg	Wood	638	34	55.7	+ 1.2	79	24	31	13	48	1.97	−0.47	0.72	0	8	14	8	9	sw.	U. S. Weather Bureau.
Parsons ††	Tucker	1,656	21	49.5[i]	− 3.5	74[i]	24	25[i]	21†	45[i]	4.31	+1.43	......	......	......	15[i]	4[i]	3[i]	......	J. W. Swisher.
Philippi	Barbour	1,149	24	54.6	+ 0.1	78	11	31	13†	38	3.22	+0.34	1.20	0	6	16	6	9	w.	Prof. M. B. Pimm.
Pickens	Randolph	2,697	18	50.6	− 1.8	78	24	25	13†	46	5.76	+1.69	2.26	1.0	9	18	4	9	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	34	......	......	......	......	......	......	....	3.48	+0.45	1.00	T.	12	......	......	......	e.	J. F. Pierce.
Saint Marys	Pleasants	577	12	......	......	......	......	......	......	....	1.88	−1.52	0.77	0	10	......	......	......	n.	Wm. Hughes.
Smithfield	Wetzel	835	15	50.6	− 3.0	76	24	27	27	40	2.70	−0.73	0.78	0	12	22	3	6	ne.	G. M. Whisler.
Stony River Dam	Grant	......	1	50.9[a]	......	74[a]	24†	27	15	39[a]	1.95	......	0.50	T.	11	11	3	17	w.	A. C. Becker.
Terra Alta[f]	Preston	2,612	20	49.3[f]	− 2.6	74	15	23	14†	51	......	......	......	......	......	13	6	6	w.	Dr. C. O. Gorby.
Wellsburg	Brooke	1,225	20	51.8	− 2.3	75	1†	26	14	40	1.45	−1.50	0.41	0	9	17	7	7	w.	George P. Pfister.
Weston	Lewis	1,026	25	54.9	− 0.6	79	24	29	14†	43	3.33	+0.22	1.27	T.	10	12	10	9	ne.	Weston State Hospital.
Wheeling	Ohio	645	34	55.4	− 0.2	87	27	29	13	53	1.28	−1.33	0.25	T.	9	17	8	6	w.	Miss M. B. Forsyth.
Averages and	extremes	......	....	53.4	− 1.2	87	27	23	14†	53	2.74	−0.35	2.26	0.1	9	17	6	8	w.	
Southern Division.																				
Bancroft	Putnam	574	17	54.2	− 3.2	80	24	30	13†	41	2.16	−1.14	0.77	T.	9	21	1	9	sw.	E. H. Morrow.
Beckley	Raleigh	2,440	21	47.9	− 5.3	75	25	27	14	36	3.75	+0.98	2.00	T.	7	22	2	7	w.	E. E. Phipps.
Bluefield	Mercer	2,558	26	54.3	− 1.7	82	25	28	13	42	3.43	+0.50	2.12	T.	7	18	6	7	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	6	......	......	......	......	......	......	....	1.00	......	1.00	T.	1	19	1	11	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	18	57.1	− 2.2	80	3†	34	22	41	2.75	−0.14	1.65	0	6	25	3	3	w.	C. V. Lewis.
Clay	Clay	706	5	......	......	......	......	......	......	....	2.70	......	1.40	T.	9	......	......	......	......	Mark King.
Cuba	Jackson	650	19	55.2	− 1.0	82	24	26	13	45	2.65	−0.48	0.90	0	5	11	20	0	w.	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	5	......	......	......	......	......	......	....	1.60	......	0.40	0	9	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	5	......	......	......	......	......	......	....	1.76	......	0.56	0	9	......	......	......	......	Lockmaster.
Dam 22 O. R.	Jackson	538	6	......	......	......	......	......	......	....	1.92	......	0.65	0	7	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	5	......	......	......	......	......	......	....	1.44	......	0.74	0	3	......	......	......	......	U. S. Engineer Office.
Evans	Jackson	606	9	......	......	......	......	......	......	....	2.30	......	0.69	0	7	19	4	8	......	B. F. Sayre.
Gary	McDowell	1,426	5	53.8	......	83	24	29	14†	45	1.85	......	0.60	T.	11	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs.	Summers	1,600	25	52.0	− 2.6	85	25	23	17	52	3.80	+1.59	2.10	0	6	18	2	11	w.	W. H. Gwinn.
Hinton	Summers	1,450	24	55.3[a]	− 1.3	88	25	29[a]	13	49[a]	2.76	+0.13	1.80	0	11	16	0	15	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	27	54.4	− 1.8	77	25	32	13	34	2.97	+0.40	1.42	0	8	18	2	11	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	2	......	......	......	......	......	......	....	3.94	......	1.08	0	7	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	5	......	......	......	......	......	......	....	3.01	......	0.70	0	9	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	21	52.2	− 1.4	80	25	24	14	47	3.96	+1.14	3.04	T.	5	19	4	8	nw.	Geo. T. Argabate.
Logan	Logan	687	18	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	C. & O. R. R.
Marlinton ††	Pocahontas	2,131	22	44.7	− 5.6	74	25	14	14†	48	4.26	+1.27	1.96	T.	6	15	10	6	sw.	S. L. Brown.
Miller	Fayette	......	1	......	......	......	......	......	......	....	2.65	......	0.90	T.	8	......	......	......	......	J. R. Bays.
Point Pleasant	Mason	553	28	56.7	− 0.9	83	24	29	14	45	1.45	−1.27	0.59	0	6	16	4	11	......	W. D. Holmes.
Powellton	Fayette	933	25	55.2[h]	− 0.9	83[h]	2	30[h]	14	48[j]	2.74	+0.28	1.49	0	9	11[m]	0[m]	7[m]	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	5	......	......	......	......	......	......	....	1.80	......	0.58	T.	9	......	......	......	......	Raleigh Coal & Coke Co.
Renick	Greenbrier	1,653	5	......	......	......	......	......	......	....	2.32	......	1.67	T.	5	......	......	......	......	Wm. B. Hill.
Robertsburg	Putnam	574	21	55.3[a]	− 2.1	81[a]	24	28	14	46[a]	3.39	+0.51	1.05	T.	7	16	3	12	s.	E. C. Brace, Jr.
Ryan	Roane	700	18	54.6	− 0.2	85	2	22	13†	51	2.79	−0.66	1.11	T.	9	15	9	7	......	Wm. E. Ryan.
Sharples	Logan	......	1	......	......	......	......	......	......	....	2.60	......	1.15	T.	6	......	......	......	......	C. E. Rippetoe.
Spencer	Roane	784	17	54.8	− 0.4	84	24	24	19	50	2.18	−1.03	1.10	0	7	12	15	4	......	A. M. McKown.
Sutton	Braxton	839	15	52.9	− 5.6	78	24	30	15	43	3.48	−0.39	1.35	0	8	22	1	8	......	C. B. Eakle.
Union	Monroe	2,250	17	53.6[e]	− 0.5	80	11†	24[e]	13†	49[e]	3.85	+0.85	3.60	0	2	......	......	......	......	Edward H. Shanklin.
White Sulphur Springs	Greenbrier ††	1,940	11	53.4[a]	......	82[a]	24	23	13	50	2.58	......	2.00	0	6	26	3	2	......	J. M. Ayres.
Williamson	Mingo	660	21	54.2	− 4.3	75	25	35	9†	35	2.36	−0.46	1.03	0	7	24	6	1	w.	J. F. Keyser.
Averages and	extremes			54.1	− 2.1	88	25	22	13†	52	2.62	+0.09	3.60	T.	7	18	5	8	w.	
State averages and	extremes			53.7	− 1.4	88	11†	21	14	60	2.48	−0.36	3.60	0.1	8	18	5	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters a, b, c appearing in the table indicate number of days missing; for example, b represents two days, etc.

Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for October, 1921.

Stations.	Drainage-basin.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Panhandle Division.																																	
Bayard	Potomac			.72	.16	.41			.19				.08	.05						.21	.22	.28									.13	.11	2.56
Brandywine	do			T.					T.				T.	.15																	*	1.00	1.15
Burlington	do			.48	.05				T.										T.	T.											*	.85	1.38
Harpers Ferry ‖‖	do					.06			.12	T.			.01																			.13	0.32
Martinsburg	do			.27	.05				.08			.05								.07	T.										T.	.48	1.00
Moorefield	do			.27	.04	.01																									*	.40	0.72
Piedmont	do			.56	.14				.11											.10	.07	.01									.19	.54	1.72
Romney	do			.38															.28	.05											.18	.32	1.21
Upper Tract	do				T.															T.												.30	0.30
Wardensville ‖‖	do				T.															.01	.05											.22	0.28
Northern Division.																																	
Bens Run	Ohio			.80	.03				.25				.05						.02		.26											.18	1.59
Bruceton Mills ‖‖	Monongahela			.73	.18	.23			.32			T.	.06						.33	.18	.32	.11									.04	.41	2.91
Buckhannon	do			.10	.25				.40				T.	.10					T.		.35										.02	1.10	2.32
Cairo				.80	.08				.19				.08						.12		.30								T.	T.	.60	1.11	3.28
Cheat Bridge ‖‖		.44		.36	.69	.36			.20			.07	.04	.18						.03	.18	.35										.98	3.88
Cortland ‖‖	Monongahela			*	1.00							.09								*	.67										*	1.02	2.78
Creston ‖‖	Little Kanawha	.20		.80	.15				.20					.10						.05	.30	.10							T.		.30	.33	2.53
Dam 10, Mon. R.	Monongahela			.98	.18				.23				.09						.29	.35	.06										.04	1.39	3.61
Dam 15, Mon. R.	do			.64	.24	.05			.21					.08						.30	.27	.06										.98	2.83
Davis ‖‖	Monongahela																																
Elizabeth ‖‖	Little Kanawha			.65					.26																						.15	1.00	2.06
Elkins ***	Monongahela			1.14	.19				.22			.01	.09						.04	.10	.05										.22	1.24	3.30
Fairmont ‖‖	do	.08		.63	.23	.06			.23	.13	T.		.03	.10						.25	.32	.06										1.26	3.32
Glenville ‖‖	Little Kanawha	.25		1.05	.15	.05			.24	.04			T.	.10						.16	.24	T										.70	2.98
Grafton ‖‖	Monongahela	.25		*	1.14	.13			.30	.46			.08	.19						.25	.24	.08										.95	4.07
Lost Creek	do			1.12	T.				.40				T.						T.	.05	T										T.	.81	2.38
Mannington	do			.93	.05	.01			.18	.01			.06	.11					.11	.06	.36	.05									.03	1.07	3.03
Morgantown	do			.92	.10				T.				.27			T.			T.		.44											.84	2.57
Moundsville ‖‖	Ohio	.07		.25	.07	.10			.15											.08	.36	.03										.41	1.52
New Cumberland ‖‖	do	.40		.03		.38			.34	.09										.05	.27	.05										.37	1.98
New Martinsville	do			.55	.10				.10										.05		.30										.10	.70	1.90
Parkersburg ***	Ohio		.03	.38				.13	.06				.03						T.	.24	T.							T.		T.	.39	.71	1.97
Parsons	Monongahela			*	1.56					*																					*	2.75	4.31
Philippi	do			1.20	.12	T.			.41					T.						.22	T										.30	.97	3.22
Pickens	do			1.11	.18	.56			.17				.60							.28	.60										.26	2.00	5.76
Rowlesburg ‖‖	do	.36		.52	.48	.45			.28	.10			.10	.08						.18	.30	.08										.55	3.48
Saint Marys ‖‖	Ohio	.06		.77	.07	.08			.18				.02	T.						.05	.30								T.		.25	.10	1.88
Smithfield ‖‖	Fishing Creek	.05		.78	.32	.10			.13	.04			.01	.05						.22	.35										.02	.63	2.70
Stony River Dam ‖‖	Monongahela	.16		.18	.13	.25			.05	.07				.24						.10	.05	.22										.50	1.95
Terra Alta	do								.25					.01			.25				.30	.40	.25	.01							.07	.25	‡‡‡
Wellsburg	Ohio			.08	.10	.04			.38				T.						.09	.05	.25	.05							T.			.41	1.45
Weston	Monongahela			1.00	.05	.16			.24				.07	.07						.16	.15										.16	1.27	3.33
Wheeling ‖‖	Ohio	.16		.12	T.	.12			.18	.01			T.							.12	.25	.07							T.		T.	.25	1.28
Southern Division.																																	
Bancroft ‖‖	Great Kanawha	.11		.77	.11				.17					.02							.27	.05									.56	.10	2.16
Beckley	do			.43				.17	T.	.50										.15	.10										.40	2.00	3.75
Bluefield	do			.12	.03				.23				.04								.12										.77	2.12	3.43
Camden-on-Gauley ‖‖	do			1.00	T.		T.			T.																					T.	T.	1.00
Charleston ‖‖	do	.45		1.50	.15															T.	.25	.20										.20	2.75
Clay ‖‖	do	.27		1.02	.38				.25	T.										.05		.10								.10	.50	.03	2.70
Cuba	Sand Creek			.70	T.								T.						.20		.35										.50	.90	2.65
Dam 19 O. R. ‖‖	Ohio	.08		.40	.02				.23	T.			.01	.02						T.	.34	T.									.24	.26	1.60
Dam 20 O. R. ‖‖	do	.05		.56	.02				.17					.08						.06	.30										.45	.07	1.76
Dam 22 O. R. ‖‖	do	.12		.65					.20												.30	.05									.30	.30	1.92
Dam 26 O. R. ‖‖	do				.50																.20										.74		1.44
Evans	Ohio			.66				.27					.05							.05	.21										.69	.37	2.30
Gary ‖‖	Big Sandy	.16		.10	.07	.08			.28	.04											.10	.17	.02								.23	.60	1.85
Green Sulpr. Spgs.	do			.26	.22				.11												.21										.90	2.10	3.80
Hinton ‖‖	do	.20		.20	.08	.10			.04				.02	.04							.04	.10									.14	1.80	2.76
Huntington ‖‖	Ohio			.94	.01				.22										T	.18	.16								.04		.98	.44	2.97
Kanawha Falls ‖	Great Kanawha	.68	1.08	1.00	.24				.32												.20											.42	3.94
Kayford ‖‖	do	.30		.70	.20	.11			.50											T.	.23	.41									.32	.24	3.01
Lewisburg	do			.30	T.				T.												.16	.04									.42	3.04	3.96
Logan	Guyandotte																																
Marlinton	Great Kanawha			.31	.20								.06								.21										1.52	1.96	4.26
Miller ‖‖	Meadow Creek	.28		.33	.26				.40	.08											.23	.17										.90	2.65
Point Pleasant ‖‖	Ohio			.59	.01				.20												.30								.14			.21	1.45
Powellton	Great Kanawha			.50	.10				.38			.01		.03						.02	.24		.06									1.40	2.74
Raleigh ‖‖	do	.03	T.	.05	T.	.08	T.		.15	.09	T.										.16	.24	T.								.42	.58	1.80
Renick ‖‖	do			.40					.10										.05		.10											1.67	2.32
Robertsburg ‖‖	do			.85	.20				.20												.30	.05									.97	.82	3.39
Ryan	do			1.11	.04				.25				T.	.04					.03	.10	.16										.36	.70	2.79
Sharples ‖‖	Coal River			1.15	.12				.38												.13	.47									.35		2.60
Spencer ‖‖	Little Kanawha			1.10	.10					.10										.10	.25	T.							T.		.38	.15	2.18
Sutton	Great Kanawha		1.35	.05					.45				.05						.10		.28										.22	.98	3.48
Union	do																										.25					3.60	3.85
White Sulphur Spgs.	do		.37						.02				.01								.03										.15	2.00	2.58
Williamson ‖‖	Big Sandy	.26		.56	.10				.15	T.											.16	.10									1.03	T.	2.36

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

‡‡‡ Probably incomplete.

Daily Temperatures for October, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	70	75	65	60	52	65	72	63	60	69	68	60	48	67	69	68	74	68	65	57	44	65	68	74	72	55	61	65	62	58	54	63.6
	Minimum	37	34	49	37	38	41	32	34	34	37	34	35	31	21	32	26	28	34	38	38	35	34	36	38	38	32	34	35	32	45	50	35.5
Brandywine	Maximum	76	75	74	67	60	78	77	68	72	82	75	60	60	65	69	74	79	75	76	67	60	75	80	79	72	76	75	80	75	60	55	71.5
	Minimum	36	33	38	40	42	34	33	40	29	40	38	36	29	21	24	28	30	38	40	42	40	27	30	24	32	35	36	34	37	36	35	34.1
Burlington	Maximum	69	69	66	58	58	70	75	62	70	75	73	70	68	66	69	73	70	67	57	56	72	70	74	73	72	58	64	68	65	58	59	66.9
	Minimum	40	40	55	43	44	43	37	41	32	38	39	42	41	25	26	33	35	41	44	44	30	35	36	33	38	27	23	23	35	45	53	37.5
Martinsburg§	Maximum	73	78	68	59	63	75	78	56	74	81	77	55	60	68	72	72	74	76	69	59	59	78	73	72	63	58	65	67	67	62	62	68.2
	Minimum	45	46	49	49	47	46	44	45	38	42	46	47	36	32	32	35	38	40	44	49	44	38	40	41	42	34	31	33	42	42	54	41.6
Moorfield	Maximum	76	80	76	65	65	80	82	77	74	84	84	74	61	73	76	74	82	81	73	70	64	82	78	83	79	72	68	77	....	....	65	75.0
	Minimum	43	42	43	46	46	48	41	40	39	49	41	56	30	32	30	32	32	42	45	50	48	32	32	36	40	36	30	40	....	....	34	39.8
Piedmont	Maximum	72	76	64	55	59	71	78	58	54	74	56	55	52	64	70	70	75	78	66	57	55	72	77	73	76	56	63	68	64	60	55	65.3
	Minimum	40	42	55	42	42	46	40	42	32	38	43	42	33	29	31	33	36	40	47	42	43	35	45	35	43	32	39	43	39	46	53	40.3
Romney	Maximum	77	81	70	64	63	77	87	74	69	82	72	56	60	71	75	75	78	80	70	65	68	77	75	80	77	59	71	67	70	65	58	71.4
	Minimum	41	41	55	42	44	43	37	40	32	40	42	42	41	26	26	29	33	38	44	44	42	30	50	33	38	27	49	25	36	47	53	39.0
Upper Tract	Maximum	71	....	72	71	....	....	75	75	....	80	88	72	70	72	73	76	76	76	74	74	75	76	77	78	78	78	61	70	70	65	65	73.6
	Minimum	38	....	38	38	....	....	35	36	....	35	41	32	33	24	27	28	33	34	32	33	41	31	31	32	30	27	26	41	42	38	39	33.9
Wardensville	Maximum	68	78	76	72	64	78	67	74	72	78	80	72	60	62	68	64	78	78	72	58	78	67	76	82	74	68	69	72	68	70	....	71.4
	Minimum	50	52	60	64	46	48	50	48	50	50	33	45	28	23	27	26	32	25	44	45	20	26	27	22	38	32	34	36	28	32	36	38.0
Northern Division.																																	
Bens Run	Maximum	73	78	69	61	62	72	75	69	67	73	69	53	57	74	75	75	79	76	69	54	58	69	70	79	70	71	71	73	74	76	68	69.6
	Minimum	43	47	58	39	41	40	35	41	39	50	45	40	33	33	35	38	41	45	44	49	38	34	40	40	41	43	34	44	45	53	51	41.9
Buckhannon	Maximum	65	76	65	56	56	63	69	62	65	72	69	62	49	64	61	65	69	71	68	66	53	53	67	70	74	66	66	69	68	69	69	65.1
	Minimum	41	55	56	42	42	37	40	40	36	42	41	40	35	28	31	39	37	42	46	44	42	32	38	37	40	40	28	46	41	45	55	40.5
Cairo	Maximum	72	77	70	64	62	70	74	65	67	74	67	59	56	70	72	73	76	75	70	64	55	70	69	79	71	69	68	73	72	74	68	69.2
	Minimum	39	41	59	39	35	34	37	41	33	41	41	37	28	33	32	31	34	39	40	35	31	37	38	40	44	38	42	49	51	54	55	39.6
Creston	Maximum	77	81	72	65	61	64	77	68	70	75	70	65	60	75	75	75	80	76	73	67	59	72	75	82	78	74	70	76	72	78	75	72.2
	Minimum	40	43	55	41	36	38	40	42	35	42	42	40	30	28	30	34	37	42	42	44	33	31	35	37	38	40	31	44	43	54	49	39.2
Elkins	Maximum	67	75	60	48	53	66	73	64	63	71	70	43	49	69	72	70	73	72	67	46	51	68	71	77	74	61	62	67	64	64	62	64.3
	Minimum	39	41	48	40	39	35	37	34	35	41	40	35	30	27	28	32	37	37	44	41	35	29	37	34	37	41	42	44	38	57	52	38.3
Fairmont§	Maximum	72	76	61	55	61	68	72	48	63	74	71	64	58	70	72	75	74	75	65	49	57	68	70	71	70	68	68	72	68	68	62	66.7
	Minimum	44	45	47	41	39	42	45	42	35	44	45	38	32	30	31	34	38	41	45	44	36	36	37	37	39	40	39	41	41	43	52	40.1
Glenville	Maximum	78	83	82	64	65	75	79	77	70	78	75	60	62	78	78	79	84	78	74	66	60	75	79	85	84	77	74	79	75	80	70	74.9
	Minimum	41	43	57	38	36	35	39	40	33	40	43	38	28	28	30	33	36	38	45	42	31	30	32	34	35	36	27	43	40	51	48	37.7
Grafton§	Maximum	74	80	61	59	63	70	75	59	70	76	68	53	60	71	72	72	75	66	62	53	62	70	71	78	70	65	71	71	57	65	68	67.3
	Minimum	40	42	55	39	38	37	39	41	33	41	43	39	31	28	30	32	37	39	45	42	39	31	35	30	37	42	30	47	38	50	55	38.9
Lost Creek	Maximum	70	75	70	56	60	68	74	65	63	72	70	65	54	70	71	71	74	72	69	60	55	69	70	77	70	71	69	70	72	73	70	68.2
	Minimum	37	39	56	37	40	37	37	40	35	42	40	38	29	23	25	30	32	38	40	44	34	29	32	32	35	21	29	33	36	39	46	35.7
Mannington	Maximum	67	74	71	58	57	67	71	69	62	71	69	58	51	66	68	69	72	74	66	61	54	68	67	76	66	65	69	70	69	71	68	66.6
	Minimum	38	42	57	39	37	35	38	41	33	43	43	39	31	27	28	32	34	39	40	44	34	30	33	34	35	40	27	43	36	49	54	37.9
Morgantown	Maximum	71	76	69	59	60	67	72	70	63	72	70	58	54	71	72	73	75	74	64	61	55	67	67	77	68	63	69	71	70	71	64	67.5
	Minimum	44	46	55	40	40	45	49	41	35	50	40	38	31	30	30	36	42	52	48	42	38	39	41	41	48	41	40	54	50	57	54	43.1
New Cumberland§	Maximum	71	75	65	51	62	71	72	48	63	63	66	49	56	68	71	72	75	75	64	50	55	68	54	76	63	62	64	69	71	68	69	64.7
	Minimum	42	42	47	40	42	44	48	42	37	44	43	38	33	33	33	34	37	41	45	42	38	39	37	39	39	35	30	34	44	44	52	39.9
New Martinsville	Maximum	77	80	75	68	65	71	76	73	68	73	70	58	60	76	76	77	80	76	70	56	60	72	72	81	68	73	72	75	74	76	70	71.5
	Minimum	43	45	58	41	39	39	43	38	35	46	45	39	33	32	32	38	39	45	44	45	35	32	38	38	40	41	31	42	42	51	51	40.6
Parkersburg	Maximum	71	76	66	53	62	69	72	49	67	72	67	50	56	70	71	72	76	76	70	52	59	69	65	79	76	68	67	73	71	73	[illegible]	67.2
	Minimum	44	48	52	44	42	44	47	42	41	51	44	38	31	33	36	39	43	53	48	45	40	38	40	41	45	46	42	50	50	55	57	44.2
Parsons	Maximum	68	73	62	66	56	66	73	50	63	73	70	....	....	....	....	....	....	....	....	....	50	65	64	74	70	68	70	69	70	50	65	65.2
	Minimum	36	39	50	40	40	31	38	32	31	34	41	....	....	....	....	....	....	....	....	....	25	27	34	33	25	35	34	35	32	25	27	33.8
Philippi	Maximum	70	75	70	56	56	66	73	67	62	70	78	50	69	69	70	69	74	72	69	66	52	66	69	77	70	65	68	70	68	68	67	67.5
	Minimum	42	45	54	40	38	40	45	34	33	47	45	45	31	31	33	39	40	49	45	40	38	36	39	40	44	40	36	52	48	54	54	41.8
Pickens	Maximum	67	74	61	52	55	57	72	60	63	73	71	50	50	71	72	71	74	70	67	54	51	57	71	78	77	61	62	64	63	65	65	64.5
	Minimum	35	38	49	34	33	32	38	32	29	43	41	31	25	25	37	35	34	47	42	34	31	29	35	38	35	36	33	42	43	52	51	36.7
Terra Alta	Maximum	....	....	....	....	....	....	65	65	55	60	61	57	42	73	74	73	73	72	72	68	52	68	65	70	64	52	64	62	60	56	53	63.0
	Minimum	....	....	....	....	....	....	35	33	32	45	39	33	30	23	23	23	34	31	31	40	40	45	31	32	48	33	35	40	34	50	50	35.6
Wellsburg	Maximum	75	74	67	55	60	70	73	69	61	64	65	52	55	62	68	70	74	71	61	52	55	68	63	75	61	61	64	68	70	68	66	65.1
	Minimum	41	45	55	37	38	42	43	42	32	42	40	37	28	26	28	31	39	41	40	42	36	32	33	35	37	32	37	40	48	42	51	38.5
Weston	Maximum	72	77	68	60	59	69	74	68	65	74	71	58	55	71	73	72	77	75	70	63	56	69	74	79	77	70	69	72	71	74	67	69.3
	Minimum	40	43	57	42	41	41	41	40	36	47	43	39	33	29	30	35	36	43	46	44	38	32	36	37	41	44	29	45	41	52	54	40.5
Wheeling§	Maximum	79	82	71	54	68	76	76	52	70	69	69	55	62	75	79	79	80	76	68	53	59	78	70	82	67	70	87	77	75	73	73	71.1
	Minimum	41	45	47	41	39	42	45	42	37	43	44	37	29	32	33	36	40	41	45	43	34	35	38	38	40	39	34	39	42	44	50	39.8
Southern Division.																																	
Bluefield	Maximum	70	71	65	59	56	70	71	65	73	76	76	65	55	69	69	70	77	72	70	65	54	70	75	80	82	77	73	70	64	64	61	68.8
	Minimum	37	43	48	38	38	35	38	34	32	34	39	35	28	29	35	39	37	51	49	42	37	30	38	40	42	40	41	48	50	53	54	39.8
Charleston	Maximum	78	79	80	79	70	70	75	73	71	78	71	64	58	72	72	65	76	78	74	68	60	73	74	80	80	75	76	75	74	75	75	73.2
	Minimum	46	48	50	46	39	40	42	43	38	40	50	42	35	35	36	37	40	42	46	43	43	34	38	39	40	38	41	42	40	38	41	41.0
Gary§	Maximum	73	79	68	55	60	72	75	46	67	78	76	53	57	74	74	72	79	76	74	49	59	73	75	83	82	65	69	72	78	73	66	69.4
	Minimum	43	43	48	37	36	36	37	40	31	38	43	40	30	29	29	31	39	39	41	42	40	32	33	40	39	40	41	42	40	41	43	38.2
Green Sulphur Spgs.	Maximum	60	68	62	60	60	64	70	56	69	80	77	64	70	70	72	71	73	78	74	58	58	72	80	81	85	72	71	70	60	62	65	68.8
	Minimum	40	42	38	36	39	38	40	34	26	34	38	40	24	25	24	25	23	33	40	38	37	26	31	34	33	31	40	38	48	46	53	35.3
Hinton§	Maximum	78	82	69	57	67	79	79	50	78	82	80	52	62	76	76	76	81	80	77	58	65	79	81	85	88	67	69	68	73	62	60	72.1
	Minimum	43	42	42	40	39	40	39	40	31	33	42	41	29	30	30	31	40	41	41	40	38	34	34	38	40	42	43	43	44	44	....	38.5
Huntington§	Maximum	67	74	66	54	60	68	73	49	66	71	67	50	54	65	65	67	72	73	70	52	56	66	70	74	77	67	65	69	73	72	62	65.6
	Minimum	44	46	48	45	43	41	45	43	40	48	47	40	32	33	34	37	42	42	46	45	40	36	38	41	43	45	45	48	52	56	52	43.1
Lewisburg	Maximum	69	75	66	58	57	70	73	63	67	77	74	63	53	68	70	70	74	73	72	63	55	72	77	78	80	72	63	70	65	58	60	67.9
	Minimum	35	37	56	36	39	30	33	36	26	34	37	37	27	24	27	30	32	36	46	40	39	25	40	34	34	37	40	39	39	53	53	36.5
Marlinton	Maximum	62	64	60	52	50	62	58	54	60	70	66	50	46	60	62	64	66	64	62	50	48	64	70	72	74	54	54	64	58	54	54	59.6
	Minimum	30	34	46	32	34	26	28	30	22	28	34	28	24	14	14	26	30	28	38	38	32	20	28	26	26	24	26	34	32	44	48	29.8
Point Pleasant	Maximum	76	82	73	62	67	75	77	72	71	77	73	56	60	73	75	76	80	79	75	56	62	73	76	83	80	69	70	75	75	76	71	72.4
	Minimum	41	45	57	40	38	42	46	40	39	50	43	35	30	29	37	36	39	45	42	42	36	33	35	38	39	43	36	45	47	55	47	41.0
Powellton	Maximum	....	83	....	74	69	73	78	78	....	77	76	70	73	....	73	....	76	78	75	73	....	72	....	81	81	78	75	71	71	....	72	75.3
	Minimum	....	....	42	39	39	38	38	38	....	34	35	35	31	30	....	....	31	32	32	32	....	33	....	33	34	34	35	36	37	....	36	35.0
Robertsburg§	Maximum	75	80	67	56	65	73	76	50	70	75	69	50	62	74	74	75	80	75	73	54	60	71	77	81	79	70	75	75	79	70	....	70.3
	Minimum	40	43	52	40	36	38	43	40	37	46	43	39	30	28	32	36	38	45	43	42	35	33	37	38	39	45	37	46	55	47	45	40.3
Evan	Maximum	84	85	78	77	70	71	76	66	69	77	73	55	60	73	74	76	80	78	73	66	61	74	77	83	84	80	71	73	75	77	71	73.8
	Minimum	38	44	57	38	30	30	36	36	30	40	38	31	22	22	24	29	30	37	39	40	30	26	31	33	34	35	37	36	44	53	46	35.4
Spencer§	Maximum	72	77	66	58	62	70	70	78	60	75	70	54	50	70	74	74	77	76	74	56	63	72	77	84	79	71	62	76	70	79	76	70.1
	Minimum	40	42	47	40	38	37	43	41	37	45	41	38	27	26	30	32	40	46	24	44	36	31	34	34	34	54	43	50	42	55	49	39.4
Union	Maximum	73	75	76	69	52	63	75	76	69	78	80	80	56	70	73	75	78	79	75	73	69	70	74	72	70	69	67	75	67	70	75	71.7
	Minimum	35	37	38	38	....	....	....	....	....	36	38	38	24	24	28	28	29	34	44	40	36	38	40	35	41	31	24	30	44	45	47	35.5
White Sulphur Spgs§	Maximum	75	68	55	54	70	68	74	76	78	76	75	59	68	70	73	75	74	76	71	70	72	78	75	82	80	76	70	74	71	60	....	71.4
	Minimum	37	53	39	38	36	31	33	26	33	37	40	41	23	24	29	33	35	44	42	38	35	42	25	32	32	33	35	30	41	37	46	35.5
Williamson§	Maximum	65	73	63	53	57	65	70	60	65	71	69	51	53	63	65	67	69	71	69	51	55	66	68	74	75	65	67	68	70	73	62	64.9
	Minimum	49	49	53	43	39	41	44	41	35	36	43	42	35	35	35	37	45	47	49	45	45	38	39	43	46	46	50	47	47	50	53	43.5

§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXIX. Parkersburg, W. Va., March, 1921. No. 3.

GENERAL SUMMARY.

The month was exceptionally warm, the average temperature being 1.4° higher than for the previovs warmest March of State record and 10.0 above the March normal. From the 1st to the 28th the temperatures were nearly continously above the normal and the conditions were exceptionally favorable for farm work, which advanced rapidly. Peach, pear, plum, and cherry trees were in bloom during the last decade. Freezing temperatures were general on the 28th, causing great damage to fruit buds and bloom. The rainfall averaged considerably below the normal and was favorably distributed. The snowfall was unimportant, only traces being received in the agriculture districts. The sunshine was much above the normal. The rivers were only at moderate stages. Wheat was in good condition at the close of the month.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.13 and 30.14 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.65 inches on the 22d, and 29.70 inches on the 9th. Elkins, 30.61 inches on the 22d, and 29.80 inches on the 24th

TEMPERATURE.

The monthly mean for the State, determined from 47 stations, was 52.7°. The departure from the normal for 41 stations having ten or more years of record was +10.0°. The month opened warm and the temperatures were also much above the normal from the 5th to the 9th, 11th to the 21st, and the 23d to the 28th, with the highest readings occurring generally on the 20th, 21st, and 27th. The temperatures were nearly normal on 4th, 10th, and 22d. Much colder weather set in on the 28th and the morning readings on the 29th ranged generally from 20° to 25°. The month closed with the temperature about normal.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 72 per cent; 8 p. m., 61 per cent. The March averages for the same hours for the past 32 years are 79 and 69 per cent, respectively. Elkins, 8 a. m., 76 per cent; 8 p. m., 63 per cent. The March averages for Elkins for the same hours for the past 21 years are 82 and 69 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 67 stations, was 2.84 inches. The departure from the normal for 46 stations having ten or more years of record was −0.87 inch. The greater part of the precipitation was received on the 2-3d, 6-7th, 9-10th, 12-13th, 15-18th, 21st-22d, 24-25th, 28-29th, and 30th, the greatest amounts being recorded on the 3d, 9th, 15-16th, and 24-25th. Snow flurries occurred at a few stations on the 2-3d, and at Davis on the 10th, but in the greater part of the State no snow fell until the 28th and measurable amounts were recorded at only three stations–Davis, Pickens, and Terra Alta.

WIND.

The average wind velocitv at Parkersburg was 6.7 miles per hour, or 0.6 mile below the March average for 31 years The average at Elkins was 6.4 miles per hour, or 0.8 mile above the March average for 22 years. The highest velocity at Parkersburg was 30 miles per hour from the northwest on the 16th, and at Elkins 34 miles per hour from the northwest on the 21st.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 57 per cent of the possible amount, or 16 per cent above the March average for 23 years. The average at Elkins was 50 per cent, or 12 per cent above the March average for 22 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Cairo, 15; Creston 10th, 14th, and 15th; Elkins, 14th; Evans, 10th and 14th; Hinton, 1st and 25th; Huntington, 10th; Mannington, 14th; Moundsville, 14th and 15th; New Cumberland, 14th and 15th; Parkersburg, 15th; Pickens, 9th; Robertsburg, 10th and 14th; St. Marys, 10th, 14th, and 15th; Smithfield, 17th; Wheeling, 8th, 11th, 12th, 14th, 15th, 17th, 19th, and 20th; Williamson, 1st, 2d, and 14th.

Hail: Bancroft, 24th; Bayard, 3d and 14th; Bens Run, 16th; Creston, 17th; Elkins, 3; Glenville, 17th; New Cumberland, 19th; Rowlesburg, 3d, Terra Alta, 3d; Weston, 12th.

Halos, lunar: Elkins, 16th and 20th; Wheeling, 18th and 20th.

Halo, solar: Ryan, 14th.

Sleet: New Cumberland, Parkersburg, and Smithfield, 28th.

Thunderstorms: (dates and number of stations reporting:) 2d, 3; 3d, 2; 7th, 1; 9th, 1; 12th, 1; 13th, 1; 14th, 4; 15th, 2; 16th, 12; 17th, 12; 18th, 3; 19th, 3; 24th, 6; 26th, 2.

COMPARATIVE DATA FOR MARCH.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	31.9	.....	.....	4.91	....	....	....	..	..	..
1892	36.4	87	8	3.50	....	....	....	..	..	..
1893	40.7	84	3	1.49	2.89	0.89	5.2	8	8	15
1894	45.8	88	1	1.94	3.05	0.74	1.9	15	9	7
1895	39.6	90	0	3.05	4.75	0.89	7.9	11	9	11
1896	36.1	76	−10	4.45	8.40	1.76	....	10	8	13
1897	46.1	81	12	3.60	6.52	1.33	....	9	10	12
1898	48.5	86	9	5.13	10.05	1.25	T.	8	9	14
1899	42.5	76	0	5.82	8.48	2.40	4.5	7	9	15
1900	38.5	78	− 5	3.79	6.48	2.18	14.7	7	9	15
1901	42.9	83	−11	3.23	5.27	0.90	2.3	8	8	15
1902	43.4	80	− 5	4.30	6.29	3.00	15.0	10	9	12
1903	51.3	87	13	4.47	6.59	2.70	0.2	10	9	12
1904	43.8	86	7	4.12	6.10	1.38	1.9	9	8	14
1905	46.6	88	− 2	4.10	6.46	1.45	0.7	14	7	10
1906	37.3	75	− 7	4.77	8.11	1.98	13.4	7	6	18
1907	49.6	94	2	4.77	8.18	1.05	4.2	12	8	11
1908	47.8	89	15	6.04	8.60	1.23	1.1	11	8	12
1909	40.8	83	10	3.38	8.66	1.10	4.7	9	10	12
1910	49.5	90	5	0.55	2.25	0.04	1.1	18	9	4
1911	40.5	90	− 5	3.30	7.86	1.12	5.2	11	8	12
1912	39.9	80	6	5.02	9.36	1.78	5.1	8	7	16
1913	45.7	89	− 3	4.53	7.90	1.77	2.7	11	9	11
1914	37.3	83	−13	3.03	7.11	0.89	17.7	10	8	13
1915	34.4	63	7	1.61	4.32	0.53	6.7	12	7	12
1916	38.5	88	− 4	4.88	9.88	2.49	9.0	11	7	13
1917	41.9	85	− 3	6.58	14.20	3.10	11.6	14	4	13
1918	46.5	85	9	4.26	9.37	1.55	0.1	16	5	10
1919	44.5	81	12	2.92	4.81	1.60	0.8	16	6	9
1920	42.8	83	− 5	3.38	8.87	1.40	3.1	17	5	9
1921	52.7	90	10	2.84	5.75	0.63	T.	14	8	9
Means and extremes..	42.8	94	−13	3.86	14.20	0.04	5.2	11	8	12

Climatological Data for March, 1921.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	20	48.3	+10.6	82	27	17	29†	48	3.44	−1.01	1.34	T.	4	20	3	8	s.	J. C. Foutz.
Brandywine	Pendleton	......	5	51.6	......	83	21	18	30	40	1.25	......	0.55	0	7	23	0	8	s.	Elmer Keister.
Burlington	Mineral	875	27	50.4	+ 9.2	84	27	18	30	47	1.87	−1.19	0.70	0	6	10	19	2	w.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	32	......	......	......	......	......	......	......	1.57	−1.47	0.60	0	6	......	......	......	e.	S. W. Lightner.
Martinsburg	Berkeley	435	29	51.9	+10.6	86	21†	23	29†	47	1.96	−1.26	0.71	0	6	16	13	2	se.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	25	58.0	+14.1	89	20	21	1	44	1.14	−1.55	0.50	0	5	27^{a}	2^{a}	1^{a}	......	M. S. Henkel.
Piedmont	Mineral	919	8	50.8	......	88	27	21	29	46	2.00	......	0.60	0	11	15	14	2	se.	C. A. Suter, Jr.
Romney *	Hampshire	824	23	52.8	+10.2	88	27	20	30	44	1.30	−1.80	0.50	0	5	13	11	2	......	Geo. E. Arnold.
Upper Tract	Pendleton	1,230	22	51.0	+ 8.1	82	27	20	29†	49	0.70	−1.84	0.50	0	3	23	3	5	w.	J. M. Mallow.
Wardensville	Hardy	1,200	3	......	......	83^{c}	28	......	......	......	0.75	......	0.45	0	4	......	......	......	......	Luther F. Sutton.
Averages and	extremes	......	......	51.8	+10.5	89	20	17	29†	49	1.60	−1.45	1.34	T.	6	19	8	4	s.	
Northern Division.																				
Bens Run	Pleasants	622	19	52.4	+ 9.2	82	27	24	29	44	3.61	−0.53	0.75	0	10	15	7	9	......	J. D. Riggs.
Bruceton Mills ††	Preston	1,549	1	......	......	......	......	......	......	......	4.14	......	0.97	T.	14	5	2	24	......	W. M. Wolf.
Buckhannon	Upshur	1,411	24	54.5	+12.9	82	20†	24	29†	46	3.19	−1.39	1.15	T.	11	16	5	10	......	H. A. Darnall.
Cairo	Ritchie	680	22	52.4	+ 7.1	85	27	23	29†	49	3.93	−0.17	1.20	0	11	11	8	12	......	O. C. Hess.
Cortland	Tucker	3,300	5	......	......	......	......	......	......	......	2.54	......	0.80	0	8	8	23	0	......	G. W. Harmon.
Creston	Wirt	701	19	55.0	+10.8	85	20†	25	30	46	3.01	−1.03	0.95	0	11	9	6	16	sw.	J. M. Reed.
Davis	Tucker	3,093	12	......	......	......	......	......	......	......	3.21	......	1.22	0.5	10	12	7	12	w.	Ross C. Male.
Elizabeth	Wirt	646	9	......	......	......	......	......	......	......	3.40	......	0.85	0	8	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	20	51.0	+11.9	84	27	19	29	51	2.92	−1.15	0.85	T.	16	7	10	14	s.	U. S. Weather Bureau.
Fairmont	Marion	883	15	52.2	+10.5	85	27	24	29†	46	4.22	+0.31	1.14	T.	13	22	1	8	w.	F. P. Hall.
Glenville	Gilmer	738	27	56.2	+11.9	88	27†	22	29	50	3.07	−1.17	0.74	0	10	19	7	5	w.	Howard R. Brannon.
Grafton	Taylor	1,000	28	53.8	+11.1	83	20†	22	29	49	3.48	−0.47	1.07	T.	13	4^{a}	19^{a}	7^{a}	n.	W. C. Byers.
Lost Creek	Harrison	1,026	23	52.6	+ 9.9	85	27	19	30	49	2.93	−1.16	0.79	0	14	16	6	9	w.	Allen Smith.
Mannington	Marion	974	18	51.4	+ 8.5	83	27	23	30	48	4.10	+0.35	1.19	T.	20	8	10	13	sw.	Jas. A. Morgan.
Morgantown ††	Monongalia	1,250	28	52.8	+10.2	82	27	21	29	45	3.35	−0.40	1.42	1.0	9	3	6	22	s.	Prof. E. L. Andrews.
Moundsville	Marshall	642	18	......	......	......	......	24	4	......	4.05	+0.79	1.31	0	9	11	7	13	sw.	G. W. Wright.
New Cumberland	Hancock	987	23	48.1	+ 8.1	80	27	21	29	46	3.59	+0.23	0.72	T.	17	10	7	14	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	27	52.8	+ 9.2	85	27	26	4†	48	3.62	−0.03	0.90	T.	11	13	8	10	s.	Wm. Ankrom.
Parkersburg	Wood	638	34	53.3	+10.9	83	27	26	29	39	4.49	+0.67	1.09	T.	14	9	12	10	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	21	51.1	+11.2	82	20†	20	28	56	1.60	−2.46	......	T.	8	15	10	6	......	J. W. Swisher.
Philippi	Barbour	1,149	24	54.3	+11.8	87	20	20	24	48	3.08	−1.15	0.75	T.	14	8	10	13	w.	Prof. M. B. Pimm.
Pickens	Randolph	2,697	18	51.0	+10.3	83	27	15	29	44	4.34	−1.49	2.01	1.0	12	15	11	5	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	34	......	......	......	......	......	......	......	3.81	−0.48	1.10	T.	12	......	......	......	w.	J. F. Pierce.
Saint Marys	Pleasants	577	12	......	......	......	......	......	......	......	4.72	+1.10	1.33	0	14	......	......	......	sw.	Wm. Hughes.
Smithfield	Wetzel	835	15	51.4	......	86	27	23	29	47	4.34	+0.37	1.27	T.	14	22	5	4	sw.	G. M. Whisler.
Stony River Dam	Grant	......	1	49.2^{i}	......	74^{i}	20†	19^{i}	30	32^{j}	......	......	......	......	......	......	......	......	......	A. C. Becker.
Terra Alta	Preston	2,612	20	48.6^{b}	+ 9.6	79^{b}	27	15^{b}	29	46^{b}	3.37	−1.51	1.22	1.0	14	10^{a}	15^{a}	5^{a}	sw.	Dr. C. O. Gorby.
Wellsburg	Brooke	1,225	20	50.5	+11.3	89	20	22	23	50	4.27	+0.99	0.99	T.	14	13	5	13	w.	George P. Pfister.
Weston	Lewis	1,026	25	55.1	+11.3	85	27	23	29	44	3.14	−0.34	0.83	T.	19	4	12	15	ne.	Weston State Hospital.
Wheeling	Ohio	645	34	50.8	+ 9.6	86	27	22	10	49	4.42	+1.36	1.50	T.	15	9	9	13	w.	Miss M. B. Forsyth.
Averages and	extremes	......	......	52.2	+10.4	89	20	15	29	56	3.57	−0.35	2.01	0.1	13	12	9	10	w.	
Southern Division.																				
Bancroft	Putnam	574	17	53.8	+ 9.3	87	20	27	10†	44	3.18	−0.74	0.98	0	13	9	8	14	s.	E. H. Morrow.
Bluefield	Mercer	2,558	26	55.0	+10.7	80	20†	22	29	36	2.08	−1.58	0.50	T.	14	13	10	8	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	6	......	......	......	......	......	......	......	1.43	......	1.12	0	3	20	0	11	......	Miss Katie Jarvis.
Charleston	Kanawha	597	18	57.3	+ 8.6	90	20†	29	30	44	5.75	+1.35	1.25	0	10	19	3	9	e.	C. V. Lewis.
Clay	Clay	706	5	......	......	......	......	......	......	......	2.26	......	1.10	0	8	......	......	......	......	Mark King.
Cuba	Jackson	650	19	53.4	+ 9.1	84	20†	25	29	44	3.20	−0.48	0.70	0	12	8	15	8	w.	Miss Faytne Howard.
Dam 19 O. R.	Wood	557	5	......	......	......	......	......	......	......	4.68	......	1.18	0	14	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	5	......	......	......	......	......	......	......	4.61	......	1.14	0	14	......	......	......	sw.	Lockmaster.
Dam 22 O. R.	Jackson	538	6	......	......	......	......	......	......	......	2.76	......	0.69	0	7	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	5	......	......	......	......	......	......	......	2.43	......	1.10	0	6	......	......	......	......	U. S. Engineer Office.
Evans	Jackson	606	9	54.5	......	82	20	30	10†	34	4.96	......	0.98	T.	9	10	1	20	......	B. F. Sayre.
Gary	McDowell	1,426	5	......	......	......	......	27	29	......	1.98	......	0.40	0	10	16^{a}	0^{a}	14^{a}	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	25	54.4	+11.1	84	20†	24	29†	48	2.23	−1.84	0.63	0	6	16	3	12	w.	W. H. Gwinn.
Hinton	..do	1,450	24	55.1	+10.9	88	20†	25	30	49	1.12	−2.93	0.34	0	7	15	0	16	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	27	55.8	+11.2	87	20	30	10†	44	3.90	−0.40	1.10	0	14	12	4	15	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	2	......	......	......	......	......	......	......	2.41	......	1.15	0	5	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	5	......	......	......	......	......	......	......	1.83	......	0.60	0	7	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	21	52.2	+ 9.7	82	20†	20	29	45	1.31	−2.76	0.47	0	7	15	10	6	sw.	Geo. T. Argabate.
Logan	Logan	687	18	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	C. & O. R. R.
Marlinton	Pocahontas	2,131	22	45.3	+ 6.7	78	20	10	30	44	3.49	−0.87	1.34	T.	10	2	24	5	sw.	S. L. Brown.
Miller	Fayette	......	1	......	......	......	......	......	......	......	1.83	......	0.67	0	9	......	......	......	......	J. R. Bays.
Point Pleasant	Mason	553	28	55.5	+10.1	86	20	25	28	44	3.82	−0.31	0.76	0	13	10	5	16	......	W. D. Holmes.
Powellton	Fayette	933	25	53.4^{j}	+ 7.7	89^{j}	21	20^{j}	10	51^{k}	1.45	−3.18	0.85	0	7	13^{b}	5^{h}	5^{h}	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	5	......	......	......	......	......	......	......	1.75	......	0.57	T.	9	......	......	......	......	Raleigh Coal & Coke Co.
Renick	Greenbrier	1,653	5	......	......	......	......	......	......	......	1.37	......	0.65	0	4	......	......	......	......	Wm. B. Hill.
Robertsburg	Putnam	574	21	53.8	+ 9.2	86	20	26	10	45	3.07	−1.01	1.05	0	10	7^{a}	8^{a}	15^{a}	s.	E. C. Brace, Jr.
Ryan	Roane	700	18	52.6	+ 8.7	86	20	22	10	43	3.39	−0.93	1.02	0	15	9	12	10	......	Wm. E. Ryan.
Sharples	Logan	......	1	......	......	......	......	......	......	......	2.07	......	1.00	0	4	......	......	......	......	C. E. Rippetoe.
Spencer ††	Roane	784	17	54.0	+11.1	84	20	25	29	44	3.35	−0.59	0.99	0	7	3	25	3	......	A. M. McKown.
Sutton	Braxton	839	15	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Lawrence Freeman.
Union	Monroe	2,250	17	54.0	+11.0	85	27	22	29	50	0.63	−3.05	0.40	0	3	......	......	......	......	Edward H. Shanklin.
White Sulphur Springs	Greenbrier ††	1,940	11	55.4^{a}	......	84^{a}	19†	21	10	44^{a}	0.83	......	0.25	0	4	25	3	3	......	J. M. Ayres.
Williamson	Mingo	660	21	54.8	+ 8.0	83	20	30	29	37	1.94	−2.66	0.74	0	8	20	3	8	w.	J. F. Keyser.
Averages and	extremes	......	......	53.9	+ 9.5	90	20†	10	30	51	2.59	−1.43	1.34	T.	9	13	7	11	w.	
State averages and	extremes	......	......	52.7	+10.0	90	20†	10	30	56	2.84	−0.87	2.01	T.	10	14	8	9	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for March, 1921.

Stations.	Drainage basin.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac	T.	T.	T.	T.			1.10								1.34			.45			T.							T.			.55	3.44
Brandywine	do			.10						.25			.05		*	.55	T.	.15							T.	.15							1.25
Burlington	do		*	.70						.50					.32		.20	T.				T.				.15							1.87
Harpers Ferry ‖	do			.28							.60			T.		.22	.05		.10							.32				T.			1.57
Martinsburg	do									.71			.05		.25		.07	T.							.50							.38	1.96
Moorefield	do		.01	.27						.35						.50	.01																1.14
Piedmont	do		.23	.60			T.			.16		T.	T.		.40	.15	.16	.07	.05			.09			.08	.01			T.			T.	2.00
Romney	do		*	.25						.50							.30								.25								1.30
Upper Tract	do									.10						.50			.10														0.70
Wardensville ‖	do			.02						.03						.45										.25							0.75
Northern Division.																																	
Bens Run	Ohio							.40		.52			.21				.55	.03				.20			.40		.10		.75			.45	3.61
Bruceton Mills ‖	Monongahela		.46	.97	T.		T.	.22		.52			.14	.16	.34	.08	.33	T.	.08			.29			.16		T.		.19			.20	4.14
Buckhannon	do		T.	1.15			.25	.10					T.	.15	.15		.25		.12	T.		T.			.15	.22			.40			.25	3.19
Cairo			.82	.18	T.		T.			1.20			.08			.05	.19	.02				.20			.37	T.			.37			.45	3.93
Cortland ‖	Monongahela		.80							.23				.28	.47			.23				.18			.15							.20	2.54
Creston ‖	Little Kanawha			.95				.15	T.		.65			.20		.10			.06				.12		.06	.50				.20		.02	3.01
Davis ‖	Monongahela			1.22	T.			.04			.48		.04	.16	.48		.37			.18				.20					T.	.04			3.21
Elizabeth ‖	Little Kanawha			.85				.42			.65			.22			.20		.06							.65				.35			3.40
Elkins ***	Monongahela		.58	.27	.01		.01	.04		.46			T.	.08	.47	.01	.10	.15				.13			.14	.02			.12	T.		.33	2.92
Fairmont ‖	do			1.14	T		T.	.29			.65			.40		.06	.42	T.	.04				.25		.08	.25		.15		.29		.20	4.22
Glenville	Little Kanawha			.74				.15			.56			.28		.10		T.	.24				.06			.55				.35	.04		3.07
Grafton	Monongahela	*	*	1.07	T.		T.	.30			.60			.23		.20	.15		.03				T.		*	.46	T.			.36		.08	3.48
Lost Creek	do.		.10	.69			.03	.18		.70			.26	.03	.05	.05	.06	T.				.04			.22	T.			.40	T.		.12	2.93
Mannington	do		.73	.46			.02	.26		.57	.02		.22	.04	.01	.05	.51	.01	.06			.20	.01		.34	.05	.15		.17	T.		.22	4.10
Morgantown	do		1.42				T.	.15		.47			.17		T.	.18						.33			T.	T.	.18		.20			.25	3.35
Moundsville	Ohio		.65					1.31		.39			.33				.19	.06				.15			.21				.76				4.05
New Cumberland	do		T.	.11		.02	.45	.65		.27	.17			.45			.20		.09		.16	.05	.16			.07		*	.42	.30		.02	3.59
New Martinsville	do		.80	.20						.50			.25				.27		.05			.05			.20	.10			.90			.30	3.62
Parkersburg ***	Ohio		1.03	.06			.34	.32		.37			.14	.01	T.		.14	.02				.13			.39		.07	T.	.84			.63	4.49
Parsons	Monongahela			*			*			*					.75			.10				.05				.40		.30	T.				1.60
Philippi	do		.10	.75			.06	.12		.30			T	.10	.20	.15	.13	T.				.17			.25	.17			.28	T.		.30	3.08
Pickens	do		.14	1.87				.05		.42					.26		.32		.12			.15			.11	.29			.31			.30	4.34
Rowlesburg ‖	do			1.10	.14			.28			.36			.16		.35	.48	.08	.12				.24		T.	.26		T.		.24			3.81
Saint Marys ‖	Ohio	T.	.05	1.33				.55		.02	.55			.25		.03	.44		.05				.20		.18	.22			.05	.80			4.72
Smithfield ‖	Fishing Creek	.03		1.27				.39			.64			.25		.27	.32		.04				.13		.15	.28	.23			.26		.08	4.34
Stony River Dam ‖	Monongahela													.13		.45	.25		.21							.10							‡‡‡
Terra Alta	do		.20	1.02					.40	.05		.05	.35	.26		.15	.15	.05	.15			T.			.40	.06			T.	.08			3.37
Wellsburg	Ohio		.42			.37	.04	.95		.30			.16	.06			.26	T.		.09		.18			.09	.10	T.		.86			.39	4.27
Weston	Monongahela		.03	.80	.03		.02	.08		.46	.04		.04	.20	.04	.18	.10		.16			.11			.31	.11	T.		.29	.02		.12	3.14
Wheeling ‖	Ohio		T.	.35	T.	T.	.15	1.50	T.	.03	.35			.18			.22		.06		.11	T.	.18		.02	.12		.26	.40	.49		T.	4.42
Southern Division.																																	
Bancroft ‖	Great Kanawha	.01		.98				.04		.03	.60			.05		.12	.05						.02		.13	.80				.32		.03	3.18
Bluefield	do			.50						.09	.02				.04	.04	.24					.11	.40	.04	.40	.01			.01	.02		.16	2.08
Camden-on-Gauley ‖	do		1.12							.20																			.11				1.43
Charleston ‖	do		.70	1.20			T.	.90		.25	.40					.30							.25		.25	1.00				.50		T.	5.75
Clay ‖	do			1.10				.03			.40							.04					.05		.04	.35				.25			2.26
Cuba	Sand Creek		.45	.25			.40	.15		.20			.15		.05		T.	T.				.10			.30	.05			.55			.55	3.20
Dam 19 O. R. ‖	Ohio	T.	.01	1.18			T.	.78		.03	.48			.32		.02	.07		.03				.29		.11	.28			.50	.58		T.	4.68
Dam 20 O. R. ‖	do			1.14				.73		.08	.45			.26		.02	.22		.10				.13		.06	.43		.05	.44	.50			4.61
Dam 22 O. R. ‖	do			.69				.35		T.	.65			.10											.20	.22				.55			2.76
Dam 26 O. R. ‖	do			1.10				.30		.10															.18	.45				.30			2.43
Evans	Ohio		.48	.75			.50	.55		.72			.14									T.			.14				.70			.98	4.96
Gary ‖	Big Sandy			.37							.18			.03		.20	.18							.40	.11	.30	.04				.17		1.98
Green Sulpr. Spgs.	do							T.		.39					.21		.27		.38						.35							.63	2.23
Hinton ‖	do			.22	.04						.10					.34	.08								.14	.20				T.			1.12
Huntington ‖	Ohio	.08		1.04				.08		.18	.56			.10		.04	.04						.12		.26	.84			.26	.24		.06	3.90
Kanawha Falls ‖	Great Kanawha			1.15	T.						.43					.15	T.	T.							T.	.38				.30			2.41
Kayford ‖	do			.60	.06				T.		.45					.19									.10	.15				.28			1.83
Lewisburg	do			.16						.21					.47	.07	.02								.33				.05			T	1.31
Logan	Guyandotte																																......
Marlinton	Great Kanawha	T.		1.34				.08		.12			.30		.60		.21		.12			T.			.32				.14	T.		.26	3.49
Miller ‖	Meadow Creek			.67				.05			.27					.29		.01					.03		.04	.15				.32			1.83
Point Pleasant	Ohio	.14	.22	.53			.21	.25		.61			.12		.05							.05			.36			.76			*	.52	3.82
Powellton	Great Kanawha							.85		.32	.05				.04	.11	.05					.03											1.45
Raleigh ‖	do			.57				.03			.29			.01		.31	.11								.08	.17				.18			1.75
Renick ‖	do			.16							.20					.65										.36							1.37
Robertsburg ‖	do			1.05				.07		.10	.60			.18		.08							.08		.16	.40				.35			3.07
Ryan	do	.01	.04	1.02			.06	.07		.61			.08		.04	.01			.02			.12			.40	.29			.30			.32	3.39
Sharples ‖	Coal River			1.00							.52						.25						T.		.30								2.07
Spencer ‖	Little Kanawha			.99				.19			.72			.19					.10							.83		.33					3.35
Sutton	Great Kanawha																																......
Union	do									.15					.40		.08																0.63
White Sulphur Spgs.	do		.25							.08															.25							.25	0.83
Williamson ‖	Big Sandy			.74				T.		T.	.36					.18	.08						T.	.10	.05	.20				.23			1.94

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

‡‡‡ Probably incomplete.

Daily Temperatures for March, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum...	46	45	50	40	65	62	69	74	67	52	65	67	63	66	69	63	64	59	75	77	76	54	55	62	68	75	82	74	44	58	71	63.1
	Minimum...	32	26	38	20	29	27	43	37	43	25	20	29	45	29	43	43	24	35	27	56	43	32	24	40	49	34	48	33	17	17	32	33.5
Brandywine	Maximum...	55	65	60	50	68	75	74	74	68	65	64	65	70	65	72	67	64	64	74	82	83	60	55	54	76	81	82	75	45	57	72	67.1
	Minimum...	27	26	28	19	34	35	45	44	48	30	24	32	45	34	44	46	26	29	40	55	50	37	22	42	43	46	48	42	19	18	41	36.2
Burlington	Maximum...	55	48	56	45	57	70	75	77	71	53	65	69	63	66	75	64	65	60	71	83	83	60	51	53	73	83	84	80	41	58	68	65.3
	Minimum...	33	34	41	27	30	30	45	47	42	28	23	40	45	32	42	48	28	40	30	53	51	37	23	24	28	39	46	33	24	18	39	35.5
Martinsburg§	Maximum...	55	56	58	46	56	70	76	77	72	55	62	69	66	66	70	68	63	61	62	83	86	51	57	52	77	85	86	81	47	56	74	65.9
	Minimum...	33	35	36	26	26	34	49	47	47	33	30	32	39	40	42	51	33	36	38	40	61	37	29	35	42	48	49	54	23	23	27	37.9
Moorfield	Maximum...	59	57	58	52	70	74	81	80	75	62	70	72	69	88	77	74	70	66	75	89	86	71	61	60	81	88	88	86	59	61	78	72.2
	Minimum...	21	32	47	32	40	40	57	57	50	32	32	28	46	62	58	52	45	43	45	67	61	46	28	46	47	49	49	46	27	27	47	43.8
Piedmont	Maximum...	54	45	53	44	60	68	72	76	68	56	64	65	64	63	72	63	62	64	72	80	77	53	57	52	70	87	88	79	46	58	75	64.7
	Minimum...	34	32	41	23	33	33	49	45	44	31	27	34	51	35	47	45	29	38	32	48	49	35	25	41	43	43	47	33	21	22	37	37.0
Romney	Maximum...	58	59	55	51	61	70	78	79	80	70	66	71	68	71	70	79	71	..	..	..	..	..	52	58	86	80	88	85	59	58	77	69.2
	Minimum...	31	29	33	25	31	33	52	43	45	29	25	33	53	33	30	53	28	..	..	..	..	..	27	43	42	47	50	45	21	20	42	36.3
Upper Tract	Maximum...	61	65	65	65	65	68	71	73	74	69	65	65	68	73	74	74	72	72	75	80	80	79	63	65	75	80	82	78	60	60	70	70.5
	Minimum...	28	29	30	27	28	28	29	40	48	26	25	26	26	34	34	30	28	27	30	34	35	30	22	32	42	40	41	41	20	20	45	31.5
Northern Division.																																	
Bens Run	Maximum...	56	53	53	53	71	65	75	76	70	56	57	67	64	65	70	68	65	65	81	80	80	51	62	69	74	77	82	60	48	67	61	65.9
	Minimum...	35	37	37	25	38	42	45	50	35	28	32	40	47	37	45	45	31	37	37	53	53	36	28	46	51	49	50	32	24	28	33	38.9
Buckhannon	Maximum...	54	61	58	46	70	68	72	75	68	60	67	71	61	68	71	65	65	72	76	82	80	66	62	70	71	80	82	80	45	65	72	67.8
	Minimum...	35	35	42	28	46	47	49	46	52	28	28	37	50	39	52	52	30	37	45	63	53	36	26	46	51	47	51	34	24	24	45	41.2
Cairo	Maximum...	58	58	51	44	72	72	72	74	68	54	69	68	64	66	71	70	67	63	81	83	82	60	66	65	74	79	85	67	46	67	65	67.1
	Minimum...	29	34	42	25	34	38	49	45	44	25	26	35	49	34	42	47	27	35	32	55	53	34	27	45	51	43	47	35	23	23	42	37.7
Creston	Maximum...	60	66	56	45	75	72	76	76	73	56	74	70	65	67	74	73	68	65	82	85	84	60	69	71	75	81	85	81	48	70	69	70.0
	Minimum...	30	35	42	28	35	41	50	45	43	26	30	37	51	36	42	49	28	37	36	56	55	39	29	48	52	46	50	37	36	25	48	40.1
Elkins	Maximum...	52	62	50	42	69	65	72	74	66	54	66	65	64	66	70	65	65	60	73	81	79	47	65	61	70	75	84	74	43	63	69	34.9
	Minimum...	33	30	33	24	38	48	52	47	32	27	34	34	40	36	49	38	27	36	34	60	47	31	25	48	48	44	48	23	19	30	32	37.0
Fairmont§	Maximum...	56	52	55	49	70	64	70	76	56	54	71	72	62	69	73	59	66	66	80	80	77	48	69	69	73	82	85	61	46	67	69	66.0
	Minimum...	34	37	45	26	26	47	50	48	50	26	28	31	41	39	41	50	30	33	34	39	57	36	27	33	48	46	51	55	24	24	31	38.3
Glenville	Maximum...	60	67	62	50	76	77	78	78	78	61	73	72	70	72	77	75	70	68	83	85	87	65	74	73	80	85	88	88	52	71	71	73.1
	Minimum...	29	33	36	28	34	45	49	44	53	27	27	35	50	37	45	50	27	35	33	64	53	36	25	47	53	45	50	38	22	23	42	39.2
Grafton	Maximum...	56	54	54	62	71	71	75	75	55	67	72	70	71	71	63	61	63	72	82	83	71	71	70	70	77	88	83	50	57	69	69	68.3
	Minimum...	33	34	45	26	31	41	48	44	48	26	30	36	49	37	49	50	28	35	33	62	51	35	25	43	51	44	50	50	22	22	44	39.4
Lost Creek	Maximum...	57	58	53	44	71	70	74	75	66	55	68	70	65	68	71	69	66	61	79	82	79	58	68	69	76	80	85	77	45	55	58	66.8
	Minimum...	32	34	42	27	38	48	48	45	49	22	23	33	48	34	49	49	25	32	30	64	58	34	22	44	43	45	52	36	22	19	42	38.4
Mannington	Maximum...	54	52	53	43	69	67	72	75	66	51	67	67	60	67	69	66	65	59	79	79	78	55	63	66	70	77	83	79	42	64	65	65.2
	Minimum...	31	32	41	25	37	39	48	43	39	24	26	34	46	34	42	45	27	32	31	61	54	34	25	46	53	44	47	33	24	23	41	37.5
Morgantown	Maximum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Cumberland	Maximum...	52	55	46	41	60	63	70	74	55	52	64	63	59	61	66	51	59	57	78	79	70	40	61	61	68	76	80	41	42	62	57	60.1
	Minimum...	32	35	35	22	23	40	52	43	48	26	27	32	41	35	36	41	27	31	32	50	58	33	26	29	48	45	52	41	21	24	34	36.1
New Martinsville	Maximum...	56	54	52	43	71	68	73	75	72	57	69	70	62	65	71	68	66	66	81	76	68	52	58	58	75	80	85	80	48	68	67	66.3
	Minimum...	34	35	40	26	38	47	50	50	38	28	30	38	49	37	44	46	30	36	35	62	45	32	30	45	50	48	50	32	26	29	39	39.3
Parkersburg	Maximum...	59	58	51	42	73	64	73	75	60	52	68	63	62	60	69	68	66	62	80	83	77	46	64	65	73	75	83	63	43	65	60	64.6
	Minimum...	33	46	34	27	40	54	54	60	35	29	38	45	48	43	45	39	32	40	41	67	45	34	31	48	53	58	63	30	26	31	34	42.0
Parsons	Maximum...	52	59	58	47	70	68	72	78	67	55	69	71	65	68	71	60	69	67	79	82	75	60	80	67	69	81	82	64	64	72	75	68.3
	Minimum...	32	32	27	25	25	31	45	36	42	24	25	31	45	33	47	44	31	26	30	50	50	36	24	43	44	38	38	20	20	20	37	33.9
Philippi	Maximum...	53	60	53	50	70	70	73	75	72	55	71	71	67	68	70	68	66	64	78	87	78	58	67	69	72	78	81	78	42	66	60	67.4
	Minimum...	32	47	37	24	37	40	50	51	50	25	37	46	47	40	49	48	29	38	41	65	54	33	27	47	50	53	61	30	20	29	39	41.2
Pickens	Maximum...	50	59	52	48	70	62	72	72	63	57	66	65	56	65	71	60	64	72	74	81	80	55	68	52	72	82	83	71	46	65	62	65.0
	Minimum...	30	30	32	32	40	45	42	52	30	21	34	41	43	40	45	42	27	34	36	56	52	32	25	43	48	42	48	27	15	26	39	37.1
Terra Alta	Maximum...	44	45	49	35	63	60	70	62	41	61	68	56	65	..	65	57	56	47	72	74	71	55	..	60	66	76	79	71	42	50	70	59.7
	Minimum...	31	28	35	17	28	47	46	41	23	26	30	40	33	..	41	45	24	33	35	62	55	38	..	53	52	55	58	25	15	37	36	37.6
Wellsburg	Maximum...	49	54	55	60	52	63	71	76	72	51	57	65	59	65	69	64	80	74	60	89	74	52	61	63	71	78	83	70	42	65	60	64.6
	Minimum...	32	32	35	24	35	35	50	56	36	25	27	34	46	34	38	44	30	26	34	54	50	34	22	42	51	44	48	30	23	23	34	36.4
Weston	Maximum...	57	64	58	45	72	70	74	75	69	54	68	69	65	68	72	70	67	63	78	82	81	62	68	70	73	81	85	81	43	67	67	68.3
	Minimum...	35	38	44	29	39	51	51	47	53	27	29	37	50	39	50	52	30	36	36	65	61	37	27	45	53	48	55	37	23	25	51	41.9
Wheeling§	Maximum...	54	54	49	47	61	64	74	76	56	59	73	64	61	49	71	60	63	68	83	81	74	47	70	64	77	84	86	48	46	69	60	64.3
	Minimum...	35	36	40	24	24	42	52	50	51	22	29	32	43	39	38	42	29	35	34	36	57	36	26	31	49	49	51	46	24	25	29	37.3
Southern Division.																																	
Bluefield	Maximum...	56	65	61	49	69	70	74	76	68	57	65	64	70	64	71	69	67	70	70	80	78	72	46	54	72	77	80	75	50	59	69	66.7
	Minimum...	31	38	44	27	36	50	54	56	51	28	38	48	45	47	49	51	35	41	50	50	62	41	35	40	50	54	55	39	22	28	45	43.3
Charleston	Maximum...	55	57	50	50	56	59	65	82	76	69	76	79	75	71	70	80	70	75	82	90	85	82	81	73	80	88	90	83	72	63	75	72.9
	Minimum...	32	40	38	30	33	38	40	38	34	32	34	44	41	45	48	54	35	38	41	59	41	40	49	50	50	52	60	55	30	29	42	41.7
Gary §	Maximum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum...	29	29	32	31	29	31	46	46	49	28	29	32	42	40	43	49	33	34	41	41	53	48	43	43	46	41	48	53	27	28	40	38.8
Green Sulphur Spgs.	Maximum...	60	66	64	67	75	72	78	76	69	60	67	67	73	67	76	64	73	73	81	84	84	67	60	58	78	79	84	73	56	60	67	70.3
	Minimum...	27	27	30	30	27	33	48	47	50	25	28	35	50	41	50	47	29	36	39	40	50	46	35	43	46	44	46	46	24	24	47	38.4
Hinton §	Maximum...	65	68	58	59	78	77	81	78	64	65	72	70	78	67	81	70	73	78	78	88	87	53	63	59	84	87	88	74	60	64	76	72.4
	Minimum...	30	30	30	32	29	30	35	46	47	30	30	30	40	41	41	50	31	34	41	43	53	47	40	42	44	45	49	50	27	25	27	37.8
Huntington §	Maximum...	65	68	50	51	77	68	79	78	58	60	75	66	70	60	78	66	72	72	84	87	82	55	66	68	78	86	85	50	52	72	63	69.1
	Minimum...	32	38	46	32	33	48	55	55	55	30	31	44	49	40	42	49	34	37	43	46	70	41	32	34	51	51	58	44	30	30	42	42.6
Lewisburg	Maximum...	56	64	58	49	71	70	75	71	67	59	65	61	71	66	72	72	67	69	69	82	80	64	54	56	76	80	82	71	52	62	71	67.2
	Minimum...	26	26	40	27	26	31	39	44	51	26	25	34	47	39	48	48	31	40	37	51	52	43	33	40	42	44	46	36	20	22	43	37.3
Marlinton	Maximum...	48	56	48	44	64	66	70	66	68	52	56	52	66	60	64	56	60	60	66	78	76	52	50	46	68	74	76	70	44	52	62	60.3
	Minimum...	18	20	32	22	22	26	40	44	38	20	16	14	40	38	38	36	22	30	34	50	44	36	20	34	38	44	38	26	16	10	34	30.3
Point Pleasant	Maximum...	63	63	56	47	75	70	76	77	73	55	72	66	67	62	75	70	70	67	82	86	80	62	68	68	76	84	79	48	70	64	64	68.9
	Minimum...	31	40	38	28	33	52	52	55	39	27	32	42	46	36	42	54	57	39	38	65	60	39	28	47	48	55	35	25	37	42	42	42.1
Powellton	Maximum...	59	68	..	..	..	..	78	78	76	59	..	73	..	71	77	73	74	71	83		89	67	69	69	81	..	88	..	76	71	..	73.8
	Minimum...	21	25	..	23	..	..	..	43	44	20	..	31	..	30	41	42	23	29	32	..	48	33	24	38	46	..	43	..	30	30	..	33.1
Robertsburg§	Maximum...	62	65	49	50	75	66	77	75	57	60	72	65	69	60	75	58	70	70	82	86	80	51	68	68	76	85	85	51	51	69	64	67.5
	Minimum...	30	33	48	30	30	48	50	49	51	26	28	40	45	37	39	48	30	34	39	47	62	40	29	35	49	49	50	50	28	28	39	40.0
Ryan	Maximum...	60	66	60	48	73	64	75	75	60	55	65	69	67	69	72	65	69	66	81	86	84	64	68	68	75	82	85	70	45	67	67	68.4
	Minimum...	25	31	39	27	30	37	48	42	40	22	30	35	47	33	43	51	26	28	39	43	52	39	26	45	48	46	48	33	24	26	42	36.9
Spencer §	Maximum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Union	Maximum...	59	67	65	53	55	65	76	77	69	60	67	69	70	72	74	72	73	74	72	84	83	79	80	75	75	79	85	80	60	61	70	71.0
	Minimum...	25	28	44	28	27	28	26	52	43	26	28	37	38	38	43	40	30	34	37	49	50	45	46	40	41	47	50	39	22	23	41	36.9
White Sulphur Spgs.	Maximum...	69	57	51	74	74	78	75	71	60	63	63	74	64	74	71	71	72	73	84	84	52	51	65	78	82	84	61	50	54	73	..	68.4
	Minimum...	25	26	31	32	35	47	42	46	25	21	22	48	59	49	50	60	53	55	69	73	50	42	42	43	43	43	44	35	28	42	34	42.4
Williamson§	Maximum...	59	65	52	50	71	71	76	73	60	57	68	70	65	60	72	62	71	69	77	83	81	48	60	68	75	80	81	72	50	67	68	67.1
	Minimum...	33	33	38	34	34	35	42	54	55	34	35	39	49	42	43	53	39	39	44	49	61	47	40	43	42	51	52	55	30	31	39	42.4

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXIX. PARKERSBURG, W. VA., APRIL, 1921. No. 4.

GENERAL SUMMARY.

April was an exceptionally pleasant month. The average temperature for the State, 55.8°, was the highest of April record, except in 1896, the rainfall was much below the normal and well distributed, the snowfall in the agricultural districts was unimportant, and more sunshine was received than during any other April of record. However, owing to unseasonably warm weather during February and March, which developed fruit buds and bloom, the cold period on the 11-12th caused great damage to peaches, pears, plums, and cherries, and much damage to apples. Farm work advanced rapidly and many fields were seeded with oats, potato planting was well advanced, and the ground was being prepared for corn at the close of the month. While wheat was looking good it was somewhat yellow from low temperatures.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.07 and 30.08 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.49 inches on the 11th, and 29.54 inches on the 23d. Elkins, 30.42 inches on the 4th, and 29.51 inches on the 23d

TEMPERATURE.

The monthly mean for the State, determined from 49 stations, was 55.8°. The departure from the normal for 44 stations having ten or more years of record was +4.2°. The month opened slightly cool, but abnormally warm weather prevailed from the 2d to the 9th. The temperatures were also much above the normal from the 13th to the 18th and the 21st to the 28th with the highest readings occurring generally on the 25th and 26th. Cool weather prevailed on the 10-12th, 18-19th, and 30th, with the lowest temperatures occurring generally on the 11th and 12th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 70 per cent; 8 p. m., 56 per cent. The April averages for the same hours for the past 32 years are 75 and 62 per cent, respectively. Elkins, 8 a. m., 80 per cent; 8 p. m., 62 per cent. The April averages for Elkins for the same hours for the past 21 years are 80 and 64 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 69 stations, was 2.50 inches. The departure from the normal for 48 stations having ten or more years of record was −1.00 inch. The rainfall was lightest over the eastern panhandle section and the heaviest rain was at Green Sulphur Springs, Summers County, where there was an excessive 24-hour rainfall of 3.50 inches on the 27th. Most of the rainfall was received on the 1st, 9th, 15-18th, 23d, and 27-30th, with the greatest amounts on the 9th, 17th, 27th and 29th. Traces of snow were received in many localities on the 1st, 10th, and 11th, and in a few localities on the 15th, 17th, and 18h. At several stations measurable amounts were recorded on the 1st, 10th, and 18th.

WIND.

The average wind velocity at Parkersburg was 5.9 miles per hour, or 0.9 mile below the April average for 31 years The average at Elkins was 5.8 miles per hour, or 0.8 mile above the April average for 21 years. The highest velocity at Parkersburg was 32 miles per hour from the northwest on the 17th, and at Elkins 27 miles per hour from the northwest on the 17th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 65 per cent of the possible amount, or 18 per cent above the April average for 23 years. The average at Elkins was 49 per cent, or 5 per cent above the April average for 22 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Cairo, 28th; Creston, 28th and 29th; Hinton, 2d; Mannington, 28th; Moundsville, 2d; Stony River Dam, 8th and 27th.

Hail: Bancroft and Charleston, 10th; Cairo, Elizabeth, Terra Alta, and Wheeling, 29th.

Halos, lunar: Parkersburg, 20th; Pickens, 15th.

Halo, solar: Elkins, 21st.

Winds, high: Cairo and Elkins, 17th; Green Sulphur Springs, 22d; Parkersburg, 9th and 17th; Pickins, 14th; Terra Alta, 7th; Wardensville, 1st, 2d, 3d, 9th, 10th, 11th, 12th, and 18th; Weston, 14th, 17th, 22d, and 29th.

Thunderstorms: (dates and number of stations reporting:) 9th, 2; 17th, 1; 26th, 5; 27th, 9; 28th, 6; 29th, 8.

COMPARATIVE DATA FOR APRIL.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	52.0	......	......	2.81	....	....	....	..	..	..
1892	50.6	87	17	4.28	....	....	....	..	..	..
1893	53.4	92	20	5.18	8.98	2.91	0.8	8	8	14
1894	50.6	90	14	3.32	5.30	1.97	1.6	12	8	10
1895	52.9	90	17	2.93	5.47	0.90	....	11	9	10
1896	57.7	95	12	2.06	4.35	0.82	....	13	12	5
1897	51.5	90	19	2.97	7.10	1.58	....	11	10	9
1898	48.0	86	2	3.14	4.86	1.40	....	10	9	11
1899	53.4	93	18	1.84	3.17	0.92	0.5	13	9	8
1900	51.8	88	16	1.35	2.08	0.43	T.	14	7	9
1901	47.5	95	18	7.05	10.70	4.95	6.0	10	4	16
1902	49.8	96	21	3.06	4.57	1.53	10.0	10	10	10
1903	51.3	91	8	4.47	7.30	2.29	0.4	11	8	11
1904	47.7	82	12	3.15	5.71	1.12	1.3	9	9	12
1905	52.2	89	14	2.78	5.57	1.10	1.5	11	9	10
1906	54.1	92	15	3.16	6.59	0.57	0.3	15	8	7
1907	45.6	92	10	3.49	6.66	1.42	6.1	8	8	14
1908	54.8	92	18	4.30	8.02	0.77	0.3	13	8	9
1909	53.0	93	10	5.04	8.57	1.70	2.4	10	11	9
1910	53.2	91	16	3.39	9.07	1.63	0.6	10	8	12
1911	49.5	88	6	4.29	7.00	0.83	1.5	9	8	13
1912	55.4	88	20	4.03	8.00	1.09	0.2	11	10	9
1913	52.4	92	12	2.99	5.48	1.61	0.1	14	6	10
1914	52.1	93	16	4.63	10.05	1.29	0.1	10	9	11
1915	55.5	101	10	1.93	5.69	0.10	T.	15	8	7
1916	50.5	90	17	3.07	5.70	1.25	4.3	9	7	14
1917	51.7	90	10	2.99	5.31	1.29	1.8	13	8	9
1918	50.3	85	18	5.11	9.14	1.88	10.4	9	7	14
1919	51.8	90	10	2.44	4.21	1.03	0.2	12	8	10
1920	49.7	91	15	4.91	7.26	1.64	1.2	8	7	15
1921	55.7	95	10	2.50	5.09	0.40	0.4	13	7	10
Means and extremes	51.8	101	2	3.51	10.70	0.10	2.1	11	8	11

Climatological Data for April, 1921.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	20	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. C. Foutz.
Brandywine	Pendleton	......	5	54.7	......	90	25	20	12	49	1.85	......	0.50	0	8	21	0	9	s.	Elmer Keister.
Burlington	Mineral	875	27	55.4	+ 4.8	88	26	24	2	44	1.23	−1.83	0.45	T.	5	10	18	2	w.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	32	......	......	......	......	......	......	......	2.53	−0.53	1.10	0	6	......	......	......	se.	S. W. Lightner.
Martinsburg	Berkeley	435	29	57.8	+ 6.3	91	26	27	11	45	1.93	−1.22	0.85	0	6	16[a]	6[a]	7[a]	e.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	25	61.0	+ 6.2	93	26	30	11	44	1.18	−1.80	0.55	0	5	28	1	1	......	M. S. Henkel.
Piedmont	Mineral	919	8	56.4	......	90	26	25	11	42	1.68	......	0.45	0	9	13	13	4	se.	C. A. Suter, Jr.
Romney	Hampshire	824	23	59.4	+ 7.8	92	26	25	2†	47	1.05	−1.97	0.33	T.	4	10	10	10	w.	Geo. E. Arnold.
Upper Tract	Pendleton	1,230	22	52.8[d]	+ 1.8	84[d]	24	23[d]	12†	55[e]	0.40	−2.07	0.20	0	3	21[b]	2[b]	5[b]	w.	J. M. Mallow.
Wardensville	Hardy	1,200	3	50.8	......	88	25	20	3	45	0.43	......	0.30	T.	6	10	7	13	ne.	Luther F. Sutton.
Averages and	extremes	......	....	56.0	+ 5.4	93	26	20	3†	55	1.36	−1.57	1.10	T.	6	16	7	7	w.	
Northern Division.																				
Bens Run	Pleasants	622	19	56.7[b]	+ 4.5	88[b]	26	26	11	45[b]	2.58	−1.50	0.76	0.5	11	18	7	5	......	J. D. Riggs.
Bruceton Mills	Preston	1,549	1	......	......	......	......	......	......	......	2.81	......	0.47	T.	13	11	2	17	......	W. M. Wolf.
Buckhannon	Upshur	1,411	24	56.0	+ 4.9	84	26	26	11†	41	2.93	−1.32	0.60	0.5	12	17	2	11	......	H. A. Darnall.
Cairo	Ritchie	680	22	56.2	+ 1.4	88	26	23	12	47	2.68	−1.00	0.91	T.	13	12	7	11	......	O. C. Hess.
Cortland	Tucker	3,300	5	......	......	......	......	......	......	......	2.01	......	0.77	1.0	7	11	17	2	......	G. W. Harmon.
Creston	Wirt	701	19	58.0	+ 5.0	89	24†	25	11†	50	2.58	−1.43	0.58	T.	9	13	2	15	sw.	J. M. Reed.
Davis	Tucker	3,093	12	......	......	......	......	......	......	......	3.78	......	0.80	2.0	14	14	13	3	w.	Ross C. Male.
Elizabeth	Wirt	646	9	......	......	......	......	......	......	......	2.53	......	0.89	......	8	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	20	51.9	+ 3.2	84	25	22	11	43	2.26	−1.03	0.94	0.8	14	10	6	14	nw.	U. S. Weather Bureau.
Fairmont	Marion	883	15	56.6	+ 4.8	93	26	25	12	46	1.91	−1.57	0.65	T.	10	18	6	6	w.	F. P. Hall.
Glenville	Gilmer	738	27	57.8	+ 4.4	92	25	23	12	51	2.29	−1.48	0.75	T.	10	17	6	7	w.	Howard R. Brannon.
Grafton	Taylor	1,000	28	56.6	+ 5.0	91	26	24	12	49	3.08	−0.69	1.01	T.	8	9	13	8	e.	W. C. Byers.
Lost Creek	Harrison	1,026	23	54.8	+ 4.6	88	26	20	12	48	2.24	−1.19	0.74	1.0	11	16	3	11	w.	Allen Smith.
Mannington	Marion	974	18	55.3	+ 4.1	87	26	23	12	46	2.77	−0.92	0.66	2.2	13	11	9	10	sw.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	28	58.2	+ 7.0	88	25†	24	11	38	1.55	−1.83	0.70	1.0	5	7	8	15	se.	Prof. E. L. Andrews.
Moundsville	Marshall	642	18	57.2[a]	+ 5.4	90[a]	26	27	12	45[a]	2.62	−0.35	0.66	T.	10	12	11	7	sw.	G. W. Wright.
New Cumberland	Hancock	987	23	54.8	+ 5.5	88	26	28	11†	42	2.71	−0.74	0.64	T.	13	11	4	15	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	27	58.4	+ 5.4	92	26	28	12	45	3.00	−0.59	0.70	T.	11	14	7	9	s.	Wm. Ankrom.
Parkersburg	Wood	638	34	57.6	+ 4.7	88	26	28	11	39	2.50	−0.41	0.72	T.	11	13	6	11	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	21	55.2	+ 6.5	90	26	19	11	49	1.18	−2.67	......	......	6	16	4	10	......	J. W. Swisher.
Philippi	Barbour	1,149	24	57.4	+ 6.2	86	26	22	11	41	2.80	−1.13	0.63	0.5	12	15	4	11	w.	Prof. M. B. Pimm.
Pickens	Randolph	2,697	18	51.0[a]	+ 2.7	87[a]	25	18[a]	11	44[a]	4.85	−0.20	1.92	8.0	11	14	4	12	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	34	......	......	......	......	......	......	....	3.47	−0.54	0.86	......	11	......	......	......	w.	J. F. Pierce.
Saint Marys	Pleasants	577	12	......	......	......	......	......	......	....	3.08	−0.57	0.75	T.	9	......	......	......	sw.	Wm. Hughes.
Smithfield	Wetzel	835	15	53.8	+ 2.8	85	26	23	12	51	3.14	−0.76	0.77	T.	14	17	8	5	se.	G. M. Whisler.
Stony River Dam	Grant	......	1	51.5[a]	......	78[a]	25†	16	12	39[a]	1.48	......	0.40	0.5	7	9	4	17	w.	A. C. Becker.
Terra Alta	Preston	2,612	20	51.1	+ 3.8	81	26	19	11	42	4.55	+0.53	1.72	9.0	12	12	11	7	w.	Dr. C. O. Gorby.
Wellsburg	Brooke	1,225	20	56.1	+ 7.1	89	26	24	12	45	2.67	−0.42	0.90	T.	12	15	5	10	w.	George P. Pfister.
Weston	Lewis	1,026	25	56.6	+ 4.1	87	25†	26	12	44	2.12	−1.94	0.60	T.	15	7	10	13	ne.	Weston State Hospital.
Wheeling	Ohio	645	34	57.4	+ 5.3	93	26	28	11†	47	3.50	+0.37	0.85	0.2	11	11	9	10	w.	Miss M. B. Forsyth.
Averages and	extremes	......	....	55.7	+ 4.7	93	26	16	12	51	2.72	−0.94	1.92	1.0	11	13	7	10	w.	
Southern Division.																				
Bancroft	Putnam	574	17	56.0	+ 2.5	86	24†	26	11	48	3.28	−0.57	0.68	T.	14	13	4	13	se.	E. H. Morrow.
Beckley	Raleigh	2,440	21	54.0[a]	+ 4.1	84[a]	26	22	11	44[a]	1.77	−2.07	1.05	0.2	3	15[a]	5[a]	9[a]	s.	John H. Ewart.
Bluefield	Mercer	2,558	26	55.6	+ 2.4	88	26	21	11	40	1.89	−1.59	0.62	T.	12	11	9	10	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	6	......	......	......	......	......	......	....	1.32	......	1.00	T.	3	16	0	14	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	18	......	......	......	......	30	15	....	4.15	−0.42	1.00	T.	10	16	0	14	......	C. V. Lewis.
Clay	Clay	706	5	......	......	......	......	......	......	....	2.19	......	0.60	T.	9	......	......	......	......	Mark King.
Cuba	Jackson	650	19	58.2	+ 5.5	90	26	24	11	45	2.42	−1.07	0.52	T.	9	12	8	10	w.	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	5	......	......	......	......	......	......	....	2.73	......	0.93	T.	13	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	5	......	......	......	......	......	......	....	3.34	......	1.05	T.	10	......	......	......	......	Lockmaster.
Dam 22 O. R.	Jackson	538	6	......	......	......	......	......	......	....	2.54	......	0.90	0	9	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	5	......	......	......	......	......	......	....	2.25	......	0.64	0	5	......	......	......	......	U. S. Engineer Office.
Evans	Jackson	606	9	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	B. F. Sayre.
Gary	McDowell	1,426	5	......	......	......	......	23[a]	11	....	3.14	......	1.05	T.	9	14[a]	0[a]	15[a]	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	25	55.2	+ 4.4	88	25†	20	12	48	5.09	+1.79	3.50	1.0	8	12	6	12	nw.	W. H. Gwinn.
Hinton	.do	1,450	24	56.3	+ 3.4	92	25	24	12	54	2.22	−1.06	0.66	T.	7	12	1	17	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	27	59.0	+ 5.0	91	24	29	11	46	3.24	−0.48	0.80	0	10	16	3	11	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	2	......	......	......	......	......	......	....	2.35	......	0.85	0	6	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	5	......	......	......	......	......	......	....	2.70	......	0.72	T.	11	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	21	53.2	+ 3.2	85	26	19	12	45	2.24	−1.04	0.80	T.	8	11	10	9	nw.	Geo. T. Argabate.
Logan	Logan	687	18	60.7[l]	......	95[l]	26	30[l]	16	53[m]	......	......	......	......	......	......	......	......	......	C. & O. R. R.
Marlinton	Pocahontas	2,131	22	46.6	− 0.5	80	25	10	12	48	1.63	−1.71	0.61	T.	8	7	15	8	sw.	S. L. Brown.
Miller	Fayette	......	1	......	......	......	......	......	......	....	3.16	......	1.48	T.	8	......	......	......	......	J. R. Bays.
Point Pleasant	Mason	553	28	59.3[a]	+ 4.4	91	25†	25[a]	11	47[a]	2.24	−1.10	0.47	0	11	11	6	13	......	W. D. Holmes.
Powellton	Fayette	933	25	55.4[e]	+ 0.9	94[e]	25	15[e]	2	54[f]	2.37	−1.30	0.92	0	8	16[c]	3[c]	8[c]	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	5	......	......	......	......	......	......	....	2.38	......	0.71	0.7	12	......	......	......	......	Raleigh Coal & Coke Co.
Renick	Greenbrier	1,653	5	......	......	......	......	......	......	....	2.18	......	0.80	T.	5	......	......	......	......	Wm. B. Hill.
Robertsburg	Putnam	574	21	56.7	+ 3.8	88	26	27	12	47	3.38	−0.33	0.84	0	9	12	4	14	s.	E. C. Brace, Jr.
Ryan	Roane	700	18	55.3	+ 2.9	88	26	22	12	49	2.55	−1.30	0.52	0.6	11	13	5	12	......	Wm. E. Ryan.
Sharples	Logan	......	1	......	......	......	......	......	......	....	2.38	......	1.18	T.	5	......	......	......	......	C. E. Rippetoe.
Spencer	Roane	784	17	55.6	+ 3.1	89	26	24	11	44	2.53	−0.98	0.65	T.	5	1	23	6	......	A. M. McKown.
Sutton	Braxton	839	15	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	Lawrence Freeman.
Union	Monroe	2,250	17	55.6	+ 5.0	88	25	18	12	49	1.49	−1.40	0.89	0	3	......	......	......	......	Edward H. Shanklin.
White Sulphur Springs	Greenbrier ††	1,940	11	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	J. M. Ayres.
Williamson	Mingo	660	21	54.9	− 0.1	85	25†	30	11	41	3.41	−0.48	1.12	0	9	16[a]	7[a]	6[a]	w.	J. F. Keyser.
Averages and	extremes	......	....	55.7	+ 3.1	95	26	10	12	54	2.62	−0.89	3.50	0.1	8	13	6	11	s.	
State averages and	extremes	......	....	55.8	+ 4.2	95	26	10	12	55	2.50	−1.00	3.50	0.4	9	13	7	10	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, [a], [b], [c] appearing in the table indicate number of days missing; for example, [b] represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for April, 1921.

Stations.	Drainage-basin.	Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Panhandle Division.																																	
Bayard	Potomac																																
Brandywine	do	.50						T.	.05	.25								.25				T.		.20			.10	T.	.40	.10			1.85
Burlington	do	.20								.45	T.	T.					T.		T.					.10					.15	.33			1.23
Harpers Ferry ‖‖	do	.40								.36								T.	.11					1.10				T.		.22	.34		2.53
Martinsburg	do							*	.38								.10							.85					*	.60			1.93
Moorefield	do	.55								.17														.01					.20	.25			1.18
Piedmont	do	.15			T.					.43	T.				.03	.10		T.				.04		.15			T.	.09	.45	.24	T.		1.68
Romney	do								T.	.30	T.													.20					.22	.33			1.05
Upper Tract	do	.20									T.							.10											.10				0.40
Wardensville‖‖	do	.05							.02		T.					T.			.01	T.					.05			T.	.05	.25			0.43
Northern Division.																																	
Bens Run	Ohio	.20							.76	.25	.08				.02	.20	.10	.03										.01		.73	.20		2.58
Bruceton Mills ‖‖	Monongahela	.24							.28	.23	.09					.31	.06	.08	.18					.13			T.	.24	.47	.35	.15		2.81
Buckhannon	do	.32							T.	.60	.04	.09				.44	.25	.15	.10					T.				.40	.12	.08	.34		2.93
Cairo		.32							.19	.10	.08				T.	.23	.19	.07	.10					.28			.02	.10	T.	.91	.09		2.68
Cortland ‖‖	Monongahela								.77						.34			.10	.09					.22						.33	.16		2.01
Creston ‖‖	Little Kanawha	.58								.30		T.				.40		.32	.04	T.				.20	T.			T.	.12	.52	.10		2.58
Davis ‖‖	Monongahela	.69								.55	.30	.19			.18	.12		.08	.04	.04				.80	.20		T.		.08	.28	.23		3.78
Elizabeth‖‖	Little Kanawha	.89								.34						.34		.24	.02					.18						.40	.12		2.53
Elkins ***	Monongahela	.05							.58	.36	.04	T				.08	T.	.12	.09				.03	.20			.03	.38	.08	.07	.15		2.26
Fairmont ‖‖	do	.65								.13	T.	T				.24		.12	.01					.03	.04				.37	.29	.03		1.91
Glenville ‖‖	Little Kanawha	.75								.22		.15				.10		.10	T.					.36				.12	.15	.18	.16		2.29
Grafton‖‖	Monongahela	.57								.41		T.				.70		.10	.15									T.	1.01	.12	.02		3.08
Lost Creek	do.	.63							.04	.16	.03	T.			T.	.74	.06	.04	T.									.11	.05	.20	.18		2.24
Mannington	do	.48							.01	.56	.07	T.				.13	.05	.02	.09					.16				.66	.02	.42	.10		2.77
Morgantown	do	.08									T.								.15					T				.70	.25	T.	.37		1.55
Moundsville‖‖	Ohio	.66								.62	T.	.03				.02		.07	.03					.15					.34	.40	.30		2.62
New Cumberland	do	.51								.34	.06	.04				.17		.15	.02				.03	.37	.03				.23	.41	.35		2.71
New Martinsville	do	.30							.70	.40	.15					.10	.10		.05					.20				.10		.70	.20		3.00
Parkersburg ***	Ohio								.37	.34	.01				.18		.18	.10	T.			T.	.22	.04				.15		.72	.19		2.50
Parsons	Monongahela	.10								.40														*				*	*	.68			1.18
Philippi	do	.27								.63	T.	.04				.25	.11	.15	.05					.17				.30	.23	.35	.25		2.80
Pickens	do	.16								1.05	.17	T.				.50	*	.20	.21								1.92	.14		.26	.24		4.85
Rowlesburg ‖‖	do	.33								.78	.08	T.				.48		.08	.40					.09	.21				.45	.32	.25		3.47
Saint Marys ‖‖	Ohio	.63								.75		.10				.20		.12	.15					.33						.68	.12		3.08
Smithfield ‖‖	Fishing Creek	.77	.01						.04	.64	.03	.05				.13		.20	.08					.18	.04				.44	.28	.25		3.14
Stony River Dam	Monongahela										T.					.20		.10	.10					.24				.31	.13	.40	T.		1.48
Terra Alta	do	.10								1.22	.50				T.	.72	.06	.23	.25					.48				.24	.15	.12	.48		4.55
Wellsburg	Ohio	.15							.12	.30	.08	T.			.09	.11	.05	.05	T.					.21				.41		.90	.20		2.67
Weston	Monongahela	.60	.01						.10	.28	.05	T.			T.	.31	.14	.03	.07		.01			.04				.11	.08	.08	.21		2.12
Wheeling	Ohio	.71							T.	.45	.02	.05				.13		.05	T.				T.	.19	.11				.42	.52	.85		3.50
Southern Division.																																	
Bancroft ‖‖	Great Kanawha	.68								.19		.06				.60	.01	.65	.05					.44	.01		.01	.34	.02	.20	.02		3.28
Beckley	do										T.						T.	T.	.02				.70					1.05					1.77
Bluefield	do	.62							T.	T.		.08			.02	T.	.14	.58	.02	.01				.11				.17	.03	.06	.05		1.89
Camden-on-Gauley‖‖	do									.10		T.					.22			T.								1.00					1.32
Charleston ‖‖	do	.90								.30	.45						.40	1.00	.10					.30				.15	.30		.25		4.15
Clay ‖‖	do	.60								.20		.22				.26		.50	.03	T.				.03						.28	.07		2.19
Cuba	Sand Creek								.12	.40	T.				.35		.25	.10					T.	.30				.15		.35	.40		2.42
Dam 19 O. R. ‖‖	Ohio	.93								.23	.05	.03				.25	T.	.26	.12				T.	.35	.02			.03	.05	.39	.02		2.73
Dam 20 O. R. ‖‖	do	.84								1.05						.28		.35	.10					.35				.07	.10	.18	.02		3.34
Dam 22 O. R. ‖‖	do	.90								.30						.44		.26	.02					.20				.08	.12	.22			2.54
Dam 26 O. R. ‖‖	do	.60								.64						.38											.35				.28		2.25
Evans	Ohio																																
Gary‖‖	Big Sandy	.78		.02						T						.04		.75	T.					.22				1.05	.09	.09	.10		3.14
Green Sulpr. Spgs.	do									.35	.08				T.	T.	.37	.22	T.									3.50	.17	.23	.17		5.09
Hinton ‖‖	do	.60								T.	T.	T.						.62	.06	.02				.14				T.	.66	.12			2.22
Huntington ‖‖	Ohio	.80							*	.30		.02				.68	.12	.56	.06					.12				.28		.30			3.24
Kanawha Falls‖	Great Kanawha	.85								.30								.55									.18	.30	.17				2.35
Kayford‖‖	do	.72								.38		.05				.09	T.	.63	.04	T.				.09				.10	.39	.10	.11		2.70
Lewisburg	do	.33								.16	T.	T.				.08	.23	.36										.80	.16	.12			2.24
Logan ‖‖	Guyandotte																	.75	1.25					.45				.19	.17	.21			†††
Marlinton	Great Kanawha								.11		T.	T.			.12	.14	.28	T.	T.					.26			T.	.35	.26		.11		1.63
Miller ‖‖	Meadow Creek	.65								.23	T.	.06						.43	T.	.08			.18						1.48	.05	T		3.16
Point Pleasant	Ohio	.30							.25	.20					.04	.28	.28	.04					.04					.47		.20	.14		2.24
Powellton	Great Kanawha									.92		.10					.62	.05	.05									.31		.05	.27		2.37
Raleigh ‖‖	do	.51	T.							.15	.01	.07				.01	T.	.71	.06	T.				.16	T.			.14	.45	.02	.09		2.38
Renick ‖‖	do	.30								.10						.26		.72										.80					2.18
Robertsburg ‖‖	do	.84								.44						.65	.10	.55						.15				.22	.18	.25			3.38
Ryan	do.	.23							.30	.42	.09				T.		.52	.08	.01				T.	.35				.03	T.	.40	.12		2.55
Sharples ‖‖	Coal River	1.18										T.					T.	.45	.25									.10		.40			2.38
Spencer ‖‖	Little Kanawha	.65									T.					.59		.42						.25						.62			2.53
Sutton	Great Kanawha																																
Union	do																	.50											.89	.10			1.49
White Sulphur Spgs.	do																																
Williamson ‖‖	Big Sandy	.76								.15						.15	T.	1.12	.05					.50			T.	.07	.06	.55			3.41

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

††† Probably incomplete.

Daily Temperatures for April, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Brandywine	Maximum	65	70	74	77	75	76	70	71	68	55	50	65	76	68	77	72	64	42	60	75	76	75	66	86	90	85	75	63	75	64	..	70.2
	Minimum	32	22	30	32	34	36	40	50	51	37	24	20	35	37	54	48	40	35	28	28	42	48	53	37	43	45	50	53	50	43	..	39.2
Burlington	Maximum	47	67	78	79	79	78	75	72	67	53	46	63	70	67	78	78	73	47	63	72	75	76	69	86	86	88	70	58	72	57	..	69.6
	Minimum	36	24	41	38	37	38	43	50	49	35	26	25	37	39	39	44	46	35	33	33	44	43	55	42	43	50	56	54	53	45	..	41.1
Martinsburg§	Maximum	52	69	80	83	81	79	73	59	70	48	50	66	73	73	81	78	75	45	67	75	80	78	67	82	87	91	63	66	71	50	..	70.4
	Minimum	35	29	35	45	44	46	48	48	49	42	27	28	37	45	52	53	55	38	35	41	48	49	56	50	50	52	57	55	56	48	..	45.1
Moorfield	Maximum	75	74	83	83	82	82	79	77	74	65	52	67	76	72	80	81	76	67	66	77	79	80	75	89	90	93	80	70	76	70	..	76.3
	Minimum	38	37	42	41	42	45	44	51	52	37	30	32	36	59	59	47	57	39	33	41	47	44	55	51	46	59	54	54	54	47	..	45.8
Piedmont	Maximum	48	67	80	83	81	80	75	70	65	54	46	63	70	69	79	78	72	46	63	73	77	79	65	84	89	90	69	58	72	56	..	70.0
	Minimum	35	27	40	41	40	42	45	50	51	35	25	30	38	43	55	46	45	34	37	34	47	45	54	46	48	53	55	48	53	43	..	42.8
Romney	Maximum	70	72	84	83	85	81	80	75	76	67	50	68	72	70	82	81	78	64	68	79	79	80	75	89	90	92	79	61	72	63	..	75.5
	Minimum	43	25	45	40	41	42	40	40	54	37	25	26	38	42	55	46	52	34	34	42	47	46	47	51	46	52	57	53	53	44	..	43.2
Upper Tract	Maximum	68	68	69	73	75	75	70	69	68	65	65	..	..	77	76	70	70	62	60	61	..	..	80	81	83	78	75	70	70	68	..	71.1
	Minimum	28	24	26	32	35	36	38	38	36	35	35	23	..	..	24	45	45	23	25	26	..	..	29	29	40	50	47	45	44	41	..	34.6
Northern Division.																																	
Bens Run	Maximum	50	65	78	83	84	83	83	79	62	50	52	53	74	70	78	71	..	..	70	71	70	69	70	78	87	88	76	73	68	54	..	71.0
	Minimum	33	30	39	41	43	45	48	52	49	33	26	30	44	45	56	52	40	34	31	38	40	40	45	50	42	55	56	45	50	40	..	42.4
Buckhannon	Maximum	60	63	73	79	78	78	79	80	67	55	45	60	72	67	74	72	68	54	59	69	73	77	72	80	83	84	75	62	70	60	..	69.8
	Minimum	34	28	36	41	41	42	48	48	55	34	26	26	42	43	56	50	43	33	29	34	48	47	52	39	43	53	57	54	55	38	..	42.5
Cairo	Maximum	50	67	79	83	82	82	83	79	63	59	51	65	75	68	78	70	59	53	65	78	75	78	76	85	87	88	83	70	69	56	..	71.9
	Minimum	33	26	33	36	39	39	45	49	51	31	25	23	40	41	53	50	40	33	27	31	47	46	53	42	44	51	60	41	46	40	..	40.5
Creston	Maximum	56	68	80	83	84	85	88	86	65	60	51	68	76	75	82	80	69	52	64	75	75	79	73	89	88	89	83	74	65	58	..	74.0
	Minimum	34	26	35	38	41	42	45	52	52	34	25	25	40	46	56	51	43	33	29	32	49	49	54	39	46	54	59	41	48	40	..	41.9
Elkins	Maximum	40	63	76	79	78	78	75	73	60	43	40	59	71	64	73	72	61	39	56	68	71	73	62	80	84	84	74	58	64	45	..	65.4
	Minimum	28	24	33	36	39	41	46	57	43	24	22	22	37	40	51	44	33	29	25	30	44	43	47	39	43	48	52	52	45	36	..	38.4
Fairmont§	Maximum	47	67	81	84	85	84	87	82	62	40	51	62	75	71	78	73	64	48	66	73	73	81	55	86	90	93	79	63	71	44	..	70.5
	Minimum	33	28	36	39	42	42	48	51	56	34	27	25	34	44	57	49	55	33	26	35	48	47	54	40	46	53	61	50	50	41	..	42.8
Glenville	Maximum	54	70	82	87	87	88	88	85	68	65	53	69	71	79	83	77	70	51	67	77	78	80	76	89	92	90	91	79	69	60	..	75.8
	Minimum	32	28	33	36	38	39	45	48	53	34	27	23	24	29	56	48	45	33	25	30	45	45	53	38	43	50	58	48	48	40	..	39.8
Grafton	Maximum	56	72	80	77	72	84	85	87	62	39	52	65	77	70	78	63	68	55	65	74	75	82	73	87	88	91	85	64	70	43	..	71.3
	Minimum	33	26	35	38	39	39	46	49	55	33	26	24	38	41	55	49	57	32	27	34	46	45	54	38	45	50	59	51	51	40	..	41.8
Lost Creek	Maximum	44	65	78	83	83	83	85	80	64	57	49	63	74	69	77	72	66	48	61	71	73	79	72	83	82	88	80	64	66	52	..	70.5
	Minimum	32	24	33	35	37	37	43	47	54	31	26	20	36	39	54	46	43	32	24	29	45	43	50	37	42	45	56	48	48	39	..	39.2
Mannington	Maximum	44	64	76	81	80	78	82	79	69	56	47	60	73	68	76	73	68	49	64	71	72	77	73	82	86	87	82	62	69	53	..	70.2
	Minimum	33	26	34	37	38	38	44	53	54	34	28	23	37	40	55	47	45	33	25	32	46	42	53	36	43	50	57	46	50	40	..	40.6
Morgantown	Maximum	44	63	78	84	82	82	80	81	65	55	46	59	72	71	79	76	69	45	62	70	72	77	75	82	88	88	81	61	69	54	..	70.3
	Minimum	30	31	47	54	54	52	57	51	53	32	24	28	48	51	56	56	42	31	30	42	55	52	51	44	58	58	55	48	50	42	..	46.2
New Cumberland	Maximum	48	67	76	82	80	79	80	79	54	36	48	55	66	67	63	72	68	51	64	71	68	73	60	81	85	88	72	71	64	55	..	67.4
	Minimum	31	31	39	40	41	44	45	52	49	33	28	29	39	43	48	49	41	33	28	39	49	46	53	43	47	55	61	42	44	40	..	42.1
New Martinsville	Maximum	50	68	80	85	86	85	86	83	65	56	53	65	75	71	80	75	70	57	68	75	76	78	70	85	89	92	84	70	70	57	..	73.5
	Minimum	33	29	38	40	42	44	48	53	52	34	29	28	40	46	55	50	45	34	29	36	50	48	53	41	48	54	60	46	51	40	..	43.2
Parkersburg	Maximum	49	67	76	80	80	80	82	78	60	42	49	63	75	69	77	71	62	51	69	72	74	76	61	85	85	87	76	69	66	55	..	69.6
	Minimum	35	34	43	47	51	50	54	60	39	31	28	31	47	52	59	56	37	35	35	40	56	54	49	46	55	59	55	47	45	28	..	45.5
Parsons	Maximum	44	62	76	82	82	80	82	84	62	55	60	72	78	76	81	75	71	47	61	71	74	80	66	81	89	90	79	66	78	54	..	71.9
	Minimum	32	20	29	44	35	37	43	52	48	22	19	30	38	51	42	43	47	30	23	26	41	40	49	37	40	46	50	50	52	40	..	38.5
Philippi	Maximum	58	64	81	80	83	79	77	76	76	55	45	60	71	70	75	74	67	45	60	69	70	76	70	81	84	86	85	85	66	50	..	70.6
	Minimum	30	29	40	53	48	49	58	58	52	30	22	26	45	52	53	55	39	29	28	38	50	50	48	43	55	58	55	51	49	36	..	44.3
Pickens	Maximum	40	60	78	81	73	80	78	73	59	42	40	59	71	62	72	68	60	35	56	70	72	71	60	80	87	78	58	..	66	46	..	64.9
	Minimum	26	25	34	41	36	41	49	55	40	25	18	26	38	43	42	49	30	26	22	30	46	44	40	38	48	49	48	..	44	31	..	37.4
Terra Alta	Maximum	40	58	72	76	74	73	69	69	69	50	38	54	66	62	67	71	63	39	54	61	67	71	66	74	77	81	74	52	61	49	..	63.2
	Minimum	27	25	43	34	35	44	42	49	48	27	19	23	36	42	52	41	38	25	27	39	50	39	45	44	42	52	51	48	49	34	..	39.0
Wellsburg	Maximum	49	67	78	81	83	82	83	80	63	52	49	61	72	68	74	72	67	53	65	72	71	78	71	82	87	89	76	72	66	58	..	70.7
	Minimum	35	26	42	37	38	40	43	57	48	30	28	24	37	40	54	45	39	33	25	35	47	45	53	40	45	57	57	53	42	49	..	41.5
Weston	Maximum	52	66	78	82	81	81	82	79	65	58	48	62	73	70	78	72	68	48	62	72	73	76	73	84	87	87	80	63	68	57	..	70.8
	Minimum	33	29	36	40	42	42	47	50	54	33	27	26	41	44	56	50	44	33	29	34	48	48	52	40	47	51	56	52	51	39	..	42.5
Wheeling§	Maximum	54	70	83	88	89	87	86	83	62	40	54	65	74	68	80	70	46	53	70	77	74	77	58	87	91	93	78	76	68	53	..	71.8
	Minimum	33	30	39	41	43	44	48	55	52	35	28	28	31	43	49	50	44	33	29	34	50	48	54	43	49	59	60	44	56	38	..	43.0
Southern Division.																																	
Beckley	Maximum	45	57	72	72	71	69	73	72	61	42	62	62	59	60	73	71	62	39	57	68	72	70	68	80	83	84	73	65	62	..	..	65.7
	Minimum	23	26	28	40	41	46	58	51	42	31	22	42	44	45	41	51	37	28	35	47	48	46	49	62	44	58	58	45	39	36	..	42.2
Bluefield	Maximum	55	65	72	75	72	70	73	72	69	58	44	62	72	72	73	72	62	46	61	68	72	68	65	84	85	88	82	59	64	50	..	67.7
	Minimum	30	32	38	41	46	50	56	58	50	29	21	23	43	52	56	55	46	28	33	32	53	54	48	44	49	55	55	49	46	36	..	43.6
Charleston	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	48	32	48	50	60	52	50	47	45	43	39	38	40	32	30	37	40	40	32	52	46	51	44	52	60	59	48	50	52	49	..	45.5
Gary§	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	36	29	32	37	40	41	50	54	35	26	23	35	40	53	51	..	51	34	34	31	42	39	53	38	45	51	58	48	44	35	..	40.9
Green Sulphur Spgs.	Maximum	50	68	78	78	79	78	79	74	70	57	48	67	75	63	78	67	65	44	60	74	78	71	69	85	88	87	88	76	68	53	..	70.5
	Minimum	33	24	31	36	37	42	43	50	51	33	24	20	38	46	52	47	42	32	28	28	44	49	53	37	43	49	48	48	49	39	..	39.9
Hinton§	Maximum	52	76	82	84	80	79	79	76	69	46	53	76	80	64	77	64	64	48	64	79	80	76	71	90	92	91	80	60	72	46	..	71.7
	Minimum	35	30	32	36	39	42	45	53	54	36	26	24	26	40	51	50	52	34	32	32	32	50	50	40	46	46	54	50	50	40	..	40.9
Huntington§	Maximum	58	71	81	83	83	84	84	79	65	43	56	71	78	72	81	69	55	55	68	76	77	74	70	91	90	87	74	75	62	58	..	72.3
	Minimum	35	33	40	44	46	49	53	56	53	38	29	30	37	51	56	58	51	35	35	38	47	53	54	45	53	58	63	46	49	40	..	45.8
Lewisburg	Maximum	53	67	76	77	75	74	70	73	65	54	45	63	74	62	72	67	63	41	58	70	76	71	64	82	84	85	72	59	66	50	..	66.9
	Minimum	32	22	31	37	38	41	51	51	51	30	22	19	31	41	51	45	41	30	32	27	45	46	51	41	43	47	50	49	48	38	..	39.4
Marlinton	Maximum	38	60	70	72	70	72	66	64	60	46	38	58	66	58	68	62	58	36	52	64	70	68	54	76	80	78	68	52	60	46	..	61.0
	Minimum	22	14	24	38	28	28	42	50	38	24	14	10	28	34	46	40	32	26	22	22	34	38	40	34	38	40	44	44	44	32	..	32.3
Point Pleasant	Maximum	56	71	81	85	82	82	87	82	66	59	55	68	79	74	81	77	69	56	68	76	76	75	71	88	91	91	83	76	68	59	..	74.4
	Minimum	32	31	37	40	41	43	49	59	50	34	25	29	44	46	54	42	44	..	32	55	52	49	53	41	50	60	61	42	47	40	..	41.2
Powellton	Maximum	74	..	..	80	84	83	..	84	83	..	68	68	79	80	81	82	80	54	66	77	80	80	81	..	94	91	85	65	67	62	..	77.1
	Minimum	24	..	..	15	35	35	..	42	42	..	19	17	31	38	46	43	33	25	23	23	39	42	46	30	..	46	45	36	37	31	..	33.7
Robertsburg§	Maximum	58	59	81	85	84	83	87	80	64	42	52	69	76	70	83	69	54	53	65	75	76	77	65	87	80	88	73	75	62	57	..	71.0
	Minimum	34	30	36	40	42	43	43	49	52	35	28	27	36	45	54	53	48	35	30	35	47	41	53	40	47	58	63	42	45	41	..	42.4
Ryan	Maximum	50	67	77	78	80	81	82	80	68	56	55	65	75	68	77	76	67	50	64	73	75	80	67	85	87	88	76	71	65	51	..	71.2
	Minimum	30	25	31	32	37	38	45	49	50	32	23	22	37	41	49	50	40	31	26	29	45	54	49	36	44	52	59	40	45	40	..	39.4
Spencer§	Maximum	60	62	73	76	79	76	78	72	36	77	44	70	75	62	73	63	63	45	50	67	77	76	77	85	88	89	81	70	60	52	..	68.5
	Minimum	32	29	40	39	43	45	49	59	33	33	24	26	36	40	55	52	45	45	30	32	50	57	50	41	46	50	66	41	51	40	..	42.6
Union	Maximum	62	70	75	78	79	73	70	74	75	60	62	67	77	74	77	72	73	50	63	72	73	74	78	80	88	87	85	78	73	67	..	72.9
	Minimum	32	23	31	35	39	42	50	54	54	26	22	18	30	50	50	46	40	31	29	27	31	35	37	40	50	55	50	45	40	38	..	38.3
White Sulphur Spgs.	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Williamson§	Maximum	50	66	75	76	76	78	79	78	62	43	48	65	74	68	75	65	58	49	60	71	74	75	68	84	85	85	69	70	58	49	..	67.8
	Minimum	38	34	35	39	41	45	49	55	57	32	30	31	33	42	56	56	35	33	33	35	39	51	45	46	46	53	46	45	39	38	..	42.0

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXIX. Parkersburg, W. Va., May, 1921. No. 5.

GENERAL SUMMARY.

While May averaged only somewhat cooler than usual, the month was characterized by nearly continuously cool weather until the 20th and by moderately warm weather during the last decade. Temperatures near freezing or slightly below occurred in many localities on the 1st, 9th, and 17th, causing considerable damage to wheat and fruit. The rainfall averaged considerably above the normal and was well distributed throughout the month but somewhat unfavorably distributed over the State, heavy and washing rains having occurred in the eastern counties. Hail also caused considerable damage in a few localities. Farm work was delayed during the first and second decades but at the end of the month planting was nearly normally advanced. All crops, except fruit, were in fair to good condition on June 1.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.03 and 30.02 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.36 inches on the 21st, and 29.79 inches on the 11th. Elkins, 30.36 inches on the 21st, and 29.78 inches on the 5th

TEMPERATURE.

The monthly mean for the State, determined from 51 stations, was 61.4°. The departure from the normal for 45 stations having ten or more years of record was −0.7°. Cool weather prevailed until the 20th, except the 11-13th, with lowest temperatures general on the 1st, 9th, and 17th, when the morning readings ranged mostly from 30° to 36°. Continuously moderately warm weather prevailed during the last decade, with the highest temperatures occurring generally on the 19th, 23d, 27th, and 28th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 76 per cent; 8 p. m., 66 per cent. The May averages for the same hours for the past 31 years are 75 and 64 per cent, respectively. Elkins, 8 a. m., 82 per cent; 8 p. m., 66 per cent. The May averages for Elkins for the same hours for the past 21 years are 79 and 65 per cent, respectively.

PRECIPITATION.

The monthly mean for the State, determined from 70 stations, was 4.48 inches. The departure from the normal for 49 stations having ten or more years of record was +0.45 inch. The rainfall was heaviest over the eastern counties, where crops were damaged in sections by washing, and lightest over the western and southern counties. There were four well-marked periods of rainfall, as follows: From the 3d to the 6th, 11th to the 13th, 23d to the 25th, and the 30th, the greatest amounts being received on the 3d-4th, 11-12th, 24-25th, and 28-29th There were also scattered light rains on the 1st, 7th, 22d, and 26th. Traces of snow were received at Terra Alta and Davis on the 1st.

HAIL.

Light hail fell in portions of Mercer County on the 12th, Preston County on the 24th, and Webster County on the 29th. Heavy hail, causing some damage to crops, fell on the 23d in the eastern portion of Jefferson County and in sections of Ohio Marion, and Tucker counties on the 24th.

WIND.

The average wind velocity at Parkersburg was 4.7 miles per hour, or 0.6 mile below the May average for 31 years The average at Elkins was 4.5 miles per hour, or 1.3 miles above the May average for 20 years. The highest velocity at Parkersburg was 34 miles per hour from the northwest on the 13th, and at Elkins 27 miles per hour from the northwest on the 13th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 61 per cent of the possible amount, or 7 per cent above the May average for 23 years. The average at Elkins was 47 per cent, or 7 per cent below the May average for 21 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Cairo, 14th, 18th, 26th, and 27th; Creston, 10th, 14th, 26th, and 31st; Elkins, 7th and 8th; Glenville, 7th; Grafton, 7th and 8th; Hinton, 7th, 13th, 18th, and 22d; Mannington, 8th, 9th, 10th, 14th, 17th, 18th, and 26th; Marlinton, 8th, 18th, 19th, 20th, 21st, 22d, and 31st; New Cumberland, 7th, 10th, 17th, 20th, 21st, and 31st; Rowlesburg, 7th, 8th, and 14th; Smithfield, 7th, 8th, 9th, 10th, and 15th; Weston, 8th, 14th, and 26th; Wheeling, 6th.

Halos, solar: Elkins, 15th; Terra Alta, 16th; Wellsburg, 13th.

Thunderstorms: (dates and number of stations reporting:) 7th, 2; 11th, 6; 12, 9; 13th, 7; 21st, 1; 23d, 15; 24th, 12; 25th, 19; 26th, 4; 27th, 3; 28th, 11; 29th, 10; 30th, 2.

An aurora was observed generally throughout the State on the night of the 14-15th.

COMPARATIVE DATA FOR MAY.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (inches).	Clear.	Partly Cloudy.	Cloudy.
1891	57.2	....	....	3.18	....	....	....	..	..	..
1892	62.2	96	32	5.04	....	....	....	..	..	..
1893	59.5	92	30	4.51	6.41	1.83	....	12	9	10
1894	62.1	100	28	4.44	9.40	2.17	....	16	9	6
1895	61.6	105	20	2.60	6.31	0.79	....	12	11	8
1896	68.3	95	33	3.01	5.92	0.65	....	11	13	7
1897	57.6	90	23	4.60	7.06	2.17	....	13	10	8
1898	63.0	94	28	4.51	6.15	2.76	....	13	10	8
1899	64.1	96	35	5.17	7.68	3.17	....	11	11	9
1900	62.5	98	21	2.99	6.75	0.35	....	14	9	8
1901	61.8	96	21	6.15	8.88	2.50	....	11	10	10
1902	65.2	98	25	3.17	6.09	1.30	....	14	11	6
1903	64.3	95	20	3.03	6.24	0.80	T.	18	9	4
1904	61.8	98	25	3.55	5.80	1.54	T.	12	11	8
1905	64.2	96	26	4.95	7.96	1.90	0.0	12	10	9
1906	62.7	98	22	2.59	6.89	0.39	T.	15	9	7
1907	59.0	93	24	3.88	6.37	1.38	T.	12	10	9
1908	63.4	96	28	6.19	11.45	2.73	0.1	9	12	10
1909	60.8	93	21	3.82	6.05	1.80	0.1	14	9	8
1910	57.9	96	19	3.92	5.87	1.55	0.0	11	10	10
1911	66.0	100	22	1.46	6.35	0.03	0.0	20	8	3
1912	63.3	94	31	3.93	7.50	1.16	0.0	15	8	8
1913	61.6	95	19	5.16	8.86	1.89	0.0	14	8	9
1914	62.4	100	24	1.96	3.75	0.55	0.0	18	8	5
1915	61.1	92	29	4.22	6.85	2.56	0.0	10	9	12
1916	64.0	97	28	3.58	6.00	0.90	T.	14	9	8
1917	55.5	95	25	4.88	5.45	2.45	T.	11	8	12
1918	66.7	97	25	4.34	10.28	1.85	T.	15	9	7
1919	61.5	100	30	5.25	10.71	2.75	0.0	12	7	12
1920	58.9	95	24	2.76	6.97	1.08	T.	16	6	9
1921	61.4	96	24	4.48	10.67	2.12	T.	12	7	12
Means and extremes	62.0	105	19	3.98	11.45	0.03	T.	13	10	8

Climatological Data for May, 1921.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. C. Foutz.
Brandywine	Pendleton	.....	5	58.8	.....	90	28	32	7†	44	2.80	.....	.....	0	8	16	3	12	n.	Elmer Keister.
Burlington	Mineral	875	27	59.5	− 2.0	88	23	32	17	42	6.48	+2.79	1.42	0	11	9	13	9	w.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	32	.....	.....	.....	.....	.....	.....	.....	8.53	+4.95	1.90	0	11	.....	.....	.....	e.	S. W. Lightner.
Martinsburg	Berkeley	435	29	61.8	− 1.3	90	23	38	7	37	10.67	+6.98	1.92	0	12	16	6	9	n.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	25	63.2	− 0.1	92	28	39	17	40	4.95	+1.43	1.08	0	11	22	3	6	.....	M. S. Henkel.
Piedmont	Mineral	919	8	60.2	.....	90	28	36	17	44	6.15	.....	1.44	0	13	13	9	9	se.	C. A. Suter, Jr.
Romney	Hampshire	824	23	62.3	− 0.7	92	23	35	17	46	5.77	+2.12	1.46	0	10	10	10	11	.....	Geo. E. Arnold.
Upper Tract	Pendleton	1,230	22	57.6	− 4.1	81	21	33	11†	46	4.20	+1.02	1.00	0	8	16	1	14	w.	J. M. Mallow.
Wardensville	Hardy	1,200	3	56.4ᵃ	.....	86ᵃ	21	30	5	43ᵃ	2.94	.....	1.20	0	14	10ᵃ	4ᵃ	16ᵃ	.....	Luther F. Sutton.
Averages and	extremes	.....	....	60.0	− 1.6	92	23†	30	5	46	5.83	+3.22	1.92	0	11	14	6	11	w.	
Northern Division.																				
Bens Run	Pleasants	622	19	63.8	+ 0.6	89	23†	40	1†	40	3.57	−0.96	0.96	0	10	16	12	3	.....	J. D. Riggs.
Bruceton Mills	Preston	1,549	1	.....	.....	.....	.....	.....	.....	.....	7.46	.....	2.15	0	15	5	10	16	ne.	W. M. Wolf.
Buckhannon	Upshur	1,411	24	61.2	− 0.7	86	28	36	1	37	4.98	+0.46	1.14	0	9	15	5	11	.....	H. A. Darnall.
Cairo	Ritchie	680	22	62.7	− 1.1	90	27	33	1	44	3.27	−0.25	0.80	0	10	11	9	11	.....	O. C. Hess.
Cortland	Tucker	3,300	5	.....	.....	.....	.....	.....	.....	.....	7.24	.....	1.85	0	9	8	14	9	.....	G. W. Harmon.
Creston	Wirt	701	19	64.0	+ 0.5	91	27	33	1	44	3.63	−0.28	1.02	0	11	12	3	16	sw.	J. M. Reed.
Davis	Tucker	3,093	12	.....	.....	.....	.....	.....	.....	.....	7.80	.....	1.50	T.	14	10	9	12	w.	Ross C. Male.
Elizabeth	Wirt	646	9	.....	.....	.....	.....	.....	.....	.....	3.76	.....	2.03	0	10	.....	.....	.....	.....	E. D. Ball.
Elkins	Randolph	1,947	20	58.4	− 0.7	84	28	33	9	40	4.21	+0.23	1.87	0	12	6	11	14	nw.	U. S. Weather Bureau.
Fairmont	Marion	883	15	63.6	+ 1.2	92	19	38	7†	43	3.81	−0.17	1.35	0	14	19	4	8	w.	F. P. Hall.
Glenville	Gilmer	738	27	64.8	+ 1.3	93	19†	31	1	49	3.10	−1.11	0.73	0	11	17	5	9	w.	Howard R. Brannon.
Grafton	Taylor	1,000	28	62.5ᶜ	+ 0.4	91ᶜ	28	36ᶜ	1†	42ᵉ	2.12	−2.16	0.73	0	11	6ᵇ	12ᵇ	11ᵇ	e.	W. C. Byers.
Lost Creek	Harrison	1,026	23	61.0	− 0.1	88	21†	32	1	47	2.68	−1.51	0.60	0	8	13	6	12	w.	Allen Smith.
Mannington	Marion	974	18	60.2	− 0.8	85	28	35	9†	39	4.31	+0.26	1.22	0	15	12	5	14	w.	Jas. A. Morgan.
Morgantown ††	Monongalia	1,250	28	61.6	− 0.9	87	19†	38	2†	38	4.36	+0.70	1.80	0	8	4	8	19	.....	Prof. E. L. Andrews.
Moundsville	Marshall	642	18	62.2ᵃ	− 0.9	90ᵃ	28	36	17	40ᵃ	3.86	+0.53	0.88	0	13	11	15	5	sw.	G. W. Wright.
New Cumberland	Hancock	987	23	61.2	+ 0.5	92	21	35	16	42	2.91	−0.40	1.05	0	13	13	8	10	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	27	64.2	+ 0.6	90	19†	37	1	41	2.50	−1.24	0.75	0	10	13	10	8	n.	Wm. Ankrom.
Parkersburg	Wood	638	34	64.2	+ 0.8	89	23	42	9	34	4.19	+0.73	2.15	0	13	10	8	13	nw.	U. S. Weather Bureau.
Parsons	Tucker	1,656	21	59.2	+ 0.1	93	27	29	9	50	3.87	−0.10	.....	0	.....	14	4	13	.....	J. W. Swisher.
Philippi	Barbour	1,149	24	60.4	− 1.3	87	27	30	16	43	5.15	+0.92	1.87	0	13	6	10	15	w.	Prof. M. B. Pimm.
Pickens	Randolph	2,697	18	57.4ᵃ	− 1.4	84ᵃ	28	31ᵃ	1	41ᵃ	8.02	+2.72	3.31	0	15	16	5	10	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	34	.....	.....	.....	.....	.....	.....	.....	5.74	+1.38	2.05	0	13	.....	.....	.....	w.	J. F. Pierce.
Saint Marys	Pleasants	577	12	.....	.....	.....	.....	.....	.....	.....	3.82	−0.04	1.25	0	13	.....	.....	.....	sw.	Wm. Hughes.
Smithfield	Wetzel	835	15	60.9	− 0.1	87	23†	35	9†	40	3.48	−0.70	0.70	0	15	20	6	5	sw.	G. M. Whisler.
Stony River Dam	Grant	.....	1	55.4ᵃ	.....	75ᵃ	23	30	2	30ᵃ	7.39	.....	1.58	0	14	6	8	17	e	A. C. Becker.
Terra Alta	Preston	2,612	20	54.5	− 4.5	80	28	29	17	40	7.05	+2.06	3.06	T.	15	9	12	10	w.	Dr. C. O. Gorby.
Wellsburg	Brooke	1,225	20	61.2	+ 0.6	88	19†	33	16†	46	2.94	−0.54	1.20	0	11	16	7	8	w.	George P. Pfister.
Weston	Lewis	1,026	25	62.2	− 0.9	87	27†	34	1	40	3.98	−0.33	0.97	0	12	6	11	14	ne.	Weston State Hospital.
Wheeling	Ohio	645	34	63.5	+ 0.6	92	19†	37	17	45	3.48	+0.02	1.22	0	14	13	9	9	w.	Miss M. B. Forsyth.
Averages and	extremes	.....	....	61.2	− 0.2	93	19†	29	9†	50	4.49	−0.02	3.31	T.	12	12	8	11	w.	
Southern Division.																				
Bancroft	Putnam	574	17	62.4	− 1.4	88	23	36	1	37	5.99	+1.85	1.78	0	15	13	5	13	n.	E. H. Morrow.
Beckley	Raleigh	2,440	21	58.4ᵃ	− 1.8	79ᵃ	29	34	1†	36ᵃ	4.17	+0.75	1.03	0	6	12	3	16	n.	John H. Ewart.
Bluefield	Mercer	2,558	26	60.3	− 1.6	82	23†	34	1	37	3.65	0	1.06	0	15	7	10	14	.....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	6	.....	.....	.....	.....	.....	.....	.....	5.01	.....	1.60	0	6	18	0	13	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	18	65.5	− 0.4	92	23	39	1	42	4.50	+0.46	0.90	0	10	18	0	13	w.	C. V. Lewis.
Clay	Clay	706	5	.....	.....	.....	.....	.....	.....	.....	4.01	.....	1.30	0	14	.....	.....	.....	.....	Mark King.
Cuba	Jackson	650	19	62.4	− 0.9	89	23	35	9	46	3.80	+0.43	1.80	0	9	8	16	7	w.	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	5	.....	.....	.....	.....	.....	.....	.....	5.34	.....	2.44	0	13	.....	.....	.....	.....	Lockmaster.
Dam 20 O. R.	Wood	551	5	.....	.....	.....	.....	.....	.....	.....	4.57	.....	1.85	0	13	.....	.....	.....	.....	Lockmaster.
Dam 22 O. R.	Jackson	538	6	.....	.....	.....	.....	.....	.....	.....	3.27	.....	1.00	0	14	.....	.....	.....	.....	Lockmaster.
Dam 26 O. R.	Mason	505	5	.....	.....	.....	.....	.....	.....	.....	4.51	.....	0.75	0	11	.....	.....	.....	.....	U. S. Engineer Office.
Evans	Jackson	606	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	B. F. Sayre.
Gary	McDowell	1,426	5	60.4ᵈ	.....	86ᵈ	24	34ᶜ	2	40ᵍ	2.82	.....	0.75	0	12	13ᵃ	0ᵃ	17ᵃ	.....	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	25	60.0	− 1.4	88	27	30	1	44	4.81	+1.15	1.43	0	13	11	2	18	w.	W. H. Gwinn.
Hinton	do	1,450	24	62.1	− 1.7	88	23	35	1	45	2.94	+0.83	0.74	0	12	8	3	20	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	27	66.6	+ 1.7	93	23	40	1	39	3.18	−0.85	1.30	0	12	17	1	13	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	2	.....	.....	.....	.....	.....	.....	.....	3.57	.....	0.55	0	10	.....	.....	.....	.....	J. O. Brown.
Kayford	Kanawha	1,335	5	.....	.....	.....	.....	.....	.....	.....	5.01	.....	1.18	0	15	.....	.....	.....	.....	Cabin Creek Con. Coal Co
Lewisburg	Greenbrier	2,200	21	58.4	− 2.2	83	22†	32	9	43	2.39	−1.29	1.00	0	13	11	10	10	nw.	Geo. T. Argabate.
Logan	Logan	687	18	67.1ᵃ	.....	96ᵃ	23	42	1†	46ᵃ	4.08	−0.17	1.59	0	8	16	3	12	sw.	C. & O. R. R.
Marlinton	Pocahontas	2,131	22	53.9	− 4.1	82	23	24	9	44	3.15	−0.86	0.86	0	11	3	18	10	sw.	S. L. Brown.
Miller	Fayette	.....	1	.....	.....	.....	.....	.....	.....	.....	4.93	.....	1.45	0	14	.....	.....	.....	.....	J. R. Bays.
Point Pleasant ᶜ	Mason	553	28	66.4	+ 1.2	91	31	38	9	43	5.00	+1.14	1.40	0	11	15	0	13	sw.	W. D. Holmes.
Powellton	Fayette	933	25	64.7ᵖ	+ 0.8	91ᵖ	27†	37ᵖ	3†	47ᵖ	2.81	−1.29	0.90	0	7	6ᵏ	1ᵏ	13ᵏ	.....	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	5	.....	.....	.....	.....	.....	.....	.....	5.20	.....	1.31	0	17	.....	.....	.....	.....	Raleigh Coal & Coke Co.
Renick	Greenbrier	1,653	5	.....	.....	.....	.....	.....	.....	.....	2.95	.....	0.80	0	6	.....	.....	.....	.....	Wm. B. Hill.
Robertsburg	Putnam	574	21	64.0	+ 0.1	92	19	34	1	42	4.27	+0.67	0.80	0	12	14	5	12	n.	E. C. Brace, Jr.
Ryan	Roane	700	18	62.7	+ 0.5	92	22†	29	1	43	5.34	+1.64	2.02	0	14	12	7	12	.....	Wm. E. Ryan.
Sharples	Logan	.....	1	.....	.....	.....	.....	.....	.....	.....	5.94	.....	1.58	0	11	.....	.....	.....	.....	C. E. Rippetoe.
Spencer	Roane	784	17	63.1	+ 0.5	88	19†	34	1	44	3.02	−0.61	1.35	0	6	0	26	5	.....	A. M. McKown.
Sutton	Braxton	839	15	61.2	− 4.1	89	27†	32	1	46	3.84	−0.65	0.95	0	12	17	5	9	.....	Lawrence Freeman.
Union	Monroe	2,250	17	59.6	− 1.2	85	18†	32	8	49	2.83	+0.07	1.08	0	7	.....	.....	.....	.....	Edward H. Shanklin.
White Sulphur Springs	Greenbrier ††	1,940	11	59.8ᵃ	.....	88ᵃ	22	31	8†	49ᵃ	3.29	.....	1.00	0	15	15	14	2	.....	J. M. Ayres.
Williamson	Mingo	660	21	63.4	− 2.0	85	23†	38	1	34	3.60	−0.21	0.60	0	11	17	7	7	w.	J. F. Keyser.
Averages and	extremes	.....	....	62.1	− 1.0	96	23	24	9	49	4.08	+0.16	2.44	0	11	12	6	13	w.	
State averages and	extremes	.....	....	61.4	− 0.7	96	23	24	9	50	4.48	+0.45	3.31	T.	12	12	7	12	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ᵃ, ᵇ, ᶜ appearing in the table indicate number of days missing; for example, ᵇ represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for May, 1921.

Stations.	Drainage-basin.	Day of month.																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac																																
Brandywine	do			*	*	*	1.25						.60												.20	.15				.30			2.80
Burlington	do	.10		.50	1.25	.45	T.					.18	.95											.74	.27	1.42			.45	.17			6.48
Harpers Ferry |||	do	.30			1.90	.50	.15					T.	1.20	.55	T.	T.	.15								1.50	.78				.75	.75		8.53
Martinsburg	do	.41		*	*	2.02						*	1.72	1.03										1.45		.80			1.92	1.24	.08		10.67
Moorefield	do	.05		.14	1.08	.67	.15	.04					.80											.57		1.00				.35	.10		4.95
Piedmont	do	.04		.59	1.15	.40	.05	.03				.14	.55	T.									T.	1.41	.06	1.33		.06	T.	.31	T.		6.12
Romney	do	.15	.15	.70		1.46	.49	T.				.21	.92											.21		1.12		T.		.36			5.77
Upper Tract	do			.75	1.00	.25	.10					T	.40												.65	.75	T.			T.	.30		4.20
Wardensville |||	do		.06	.04	.03	.02	.35	.25				.15	.52	.05	.05		T.					T.	T.		.05	1.20	.12	T.			.05		2.91
Northern Division.																																	
Bens Run	Ohio			.62	.10	.15						.35	.55	.31										.65	.31	.05				.48			3.57
Bruceton Mills |||	Monongahela	.02	T.	.16	.47	.30		.07				.14	.20	.12	.07								T.	.66	.83	2.05			.18	2.15	.04		7.46
Buckhannon	do			.35	.56	1.14		.08				T.	.25	T											.78	.70				.90	.22		4.98
Cairo				.39	.14	.26						.30	.20	.29										.80	.02	.68			T.	.19			3.27
Cortland ||	Monongahela			.80	.75	.40						.15												1.85	.92	1.00			.74	.63			7.24
Creston |||	Little Kanawha	.06		.10	.31	.28						T.	.40		.20										1.02	.40	.31	.05		.50			3.63
Davis |||	Monongahela	.20		.17	.40	1.04	.11					.18	.32	.15	T.								.26		1.26	1.50	1.05			.56	.60		7.80
Elizabeth |||	Little Kanawha	.14		.15	.15	.32							.33	.06	.14										2.03	.33				.11			3.76
Elkins ***	Monongahela	.01		.12	.52	.07	T.	.02				.06	.19	T									T.	.08	T.	1.13	.14		.02	1.85	T.		4.21
Fairmont |||	do	.02	.02	T.	.35	.52	.02		.05			.07	.08	.50	.21									T.	.07	.55	T.			1.14	.21		3.81
Glenville |||	Little Kanawha			.16	.24	.28	.03						.27	T.	.18										.73	.32	.34			.22	.33		3.10
Grafton |||	Monongahela	.10	T.		T.	*	.13					T.	.04	.07	.08										.05	.30	.10			.73	.52		2.12
Lost Creek	do			.28	.30	.17	T.	.03				.35	T.	T.									T.		.57	.38				.60			2.68
Mannington	do		.01	.12	.36	.32		.09				.26	.73	.10	.06									.02	.10	.48	.43	.01		1.22			4.31
Morgantown	do	T.		.33	.58		.31	.21					.29													1.80				.81	.03		4.36
Moundsville |||	Ohio	.13			.25	.30			.03			.09	.59	.11	.34										.69	.23			.20	.88		.02	3.86
New Cumberland	do	.05	.01		.13	.29	.01						.15	.04	.29										.04	1.05				.70	.02	.13	2.91
New Martinsville	do				.20	.30						.50	.15	.10	.10										.75	.10			.05	.25			2.50
Parkersburg ***	Ohio		.02	.34	.09	.08	T.	.01			.01	.15	.21	.35								T.		2.04	.11	.31	T.		.47	T			4.19
Parsons	Monongahela	*	*	*	*	*	1.05					*	.50												*	*	2.32						3.87
Philippi	do		.03	.25	.50	.23		T.				.12	1.12	.02	.12										.23	.21	.15			1.87	.30		5.15
Pickens	do			.74	1.15	.35		.32				.10	.02		.10					.34		.06			.16	.59	.41		.05	3.26	.37		8.02
Rowlesburg |||	do	.06			.18	.60	.26		T.			.05	.26	.15	.15										.70	1.08	.20			.87	1.18		5.74
Saint Marys |||	Ohio	.06		.12	.42	.33							.33	.25	.25										1.25	.05	.28	T.	.05	.38	.05		3.82
Smithfield |||	Fishing Creek	.10		.04	.19	.38	.02		.02			.09	.66	.52	.25										.33	.09	.05			.70	.04		3.48
Stony River Dam	Monongahela		.18		.87	1.58	.23		.14				.78	.22										.03	.84	1.05	.24			.64	.55	.04	7.39
Terra Alta	do	.05	.02	.21	.51	.29	.04	.02				.18	.28	.30	.14								T.	.18	1.62	3.06		T.			.15		7.05
Wellsburg	Ohio		T.	.06	.20	.15						.10	.09	.20	.03									.43		1.20			.05	.43			2.94
Weston	Monongahela			.42	.36	.14		.02				.28	.20	.01	.03										.60	.97	.17			.78			3.98
Wheeling	Ohio	.12	.02	.01	.23	.46	.02	T.				.08	.49	.14	.41										.08	1.22	T.			.15	.05		3.48
Southern Division.																																	
Bancroft |||	Great Kanawha	.22		.44	.36	.43	.02					.13	.20	.01	.02										.75	.03	1.78	.73		.39	.48		5.99
Beckley	do				1.03						.66		.50	.18													.90			.90			4.17
Bluefield	do			.68	.29	.27	.01				.03	.23	.02	.18	.33							T				1.06	.11	.31	.03	.04		.06	3.65
Camden-on-Gauley |||	do			.80	1.60	.11																		.80		.10				1.60			5.01
Charleston |||	do			.55	.90	.35						T.	.10		.10										.30		.90	.50		.50	.30		4.50
Clay |||	do	.11		.03	.35	.22			.02			.03	.23	.06	.31										.90	.40	1.30	.03			.02		4.01
Cuba	Sand Creek			.35	.40	.20		T.				.25	.35	.15											1.80		.10	T.	T.	.20			3.89
Dam 19 O. R. |||	Ohio	.30		.20	.35	.34	T.	T.	T.			.01	.35	.17	.61										2.44	.15	.04	T.		.30	.08		5.34
Dam 20 O. R. |||	do	.32		.20	.32	.32		.02				.02	.54	.18	.36										1.85	.07	.05			.32			4.57
Dam 22 O. R. |||	do	.25	.10	.10	.28	.29							.40	.28	.30										1.00	.05	.05	.02		.10	.05		3.27
Dam 26 O. R. |||	do			.20	.40		.08					.20	.60	.15	.20										.58		.65	.75		.70			4.51
Evans	Ohio																																
Gary ||	Big Sandy	.05		.48	.75	.06			.07		.23	.03	.39									.07			T.			.43	.24		.02		2.82
Green Sulpr. Spgs.	do			.48	.14	.16		T.				.47	.60	.11	.13										.11	1.43	.34	.22	T.	.33	.29		4.81
Hinton ||	do	T.		.50	.36	.10	.02		T.			.12	.16	.08	.04										T.	T.	.74	.30		.46	.06	T.	2.94
Huntington |||	Ohio			.86	.44	.30	T.					.18	.22	.20	.10										.02	.10	.26	.26		.24			3.18
Kanawha Falls ||	Great Kanawha			.28	.50	.48						.31	.30	.30	.29										.30		.55	.35					3.57
Kayford |||	do	.22	T.	.40	.67	.49	.05			T.		.28	.15	.47	.03										.14		1.18	.63	.05	.10	.15		5.01
Lewisburg	do			.11		.07						.19	.16	.04	.04										.23	1.00	.06	.13	.16	.16	.04		2.39
Logan |||	Guyandotte			1.10	.38	.41						.15	.20														1.59	.20			.05	T.	4.08
Marlinton	Great Kanawha			.24	.18	.16		T.				.86	.04	.06											.31	.28	T.	.22	.20	.60	T		3.15
Miller ||	Meadow Creek	.29		.35	.40		.04					.05	.19	.44	.11										.55		1.45	.14		.31	.57	.04	4.93
Point Pleasant	Ohio			.46	.36	.18	.02					.25	1.10	.05	.41										1.40		.37			.40			5.00
Powellton	Great Kanawha				.50	.16	.16					.32		.52												.90	.25						2.81
Raleigh |||	do	.07	T.	.29	.29	.43	.01	.03	.05	T.		.10	.30	.75	.15	T.										.13	.63	1.31	.22	.41	.03	T.	5.20
Renick |||	do				.45							.35		.50													.80			.30	.55		2.95
Robertsburg |||	do	.22		.32	.25	.25						.11	.10	.15	.08										.74		.80	.75		.50			4.27
Ryan	do		T.	.58	.11	.30		.02				.27	.02	.04	.02										2.02	.85	.08	.22	.07	.74			5.34
Sharples |||	Coal River	.20		.82	.51	.85	.12					.55	.23	.33													1.58			.42	.30		5.94
Spencer |||	Little Kanawha	.19			.53		.30						.55												1.35		.10						3.02
Sutton	Great Kanawha	.45	.05	.35	.30	.05		.17				.02		.08										.95	.42	.35			.65				3.84
Union	do											.15													.12	1.00	1.08	.15	.08	.25			2.83
White Sulphur Spgs.	do			.25	.25	.25		.25				.25	.25	.10								.02			.25	1.00	.10	.05	.01	.25	.01		3.29
Williamson |||	Big Sandy	.02		.60	.46	.60	.03					.40	.20	.42	.23								T.				.56	.08					3.60

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for May, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Brandywine	Maximum	64	65	50	55	45	54	65	70	65	60	62	65	74	78	80	65	75	83	88	82	84	85	86	77	80	80	78	90	74	75	83	72.2
	Minimum	43	42	40	40	41	40	32	34	34	40	39	42	41	38	40	46	32	40	44	41	48	58	55	52	50	55	60	62	58	59	60	45.4
Burlington	Maximum	50	60	56	50	59	68	66	72	75	77	62	52	76	76	75	67	74	78	79	80	83	85	88	68	78	76	75	87	74	76	78	71.6
	Minimum	43	40	47	44	44	35	37	38	37	38	49	45	50	50	46	43	32	39	46	48	47	59	65	51	51	49	56	59	62	62	58	47.4
Martinsburg§	Maximum	48	66	58	49	48	63	73	77	79	82	57	57	73	76	80	69	72	81	81	82	85	88	90	60	82	77	76	88	78	77	81	72.7
	Minimum	45	43	48	47	45	45	38	40	48	47	53	45	46	54	55	56	44	46	51	50	52	58	65	51	50	53	60	57	61	65	57	50.8
Moorfield	Maximum	52	62	62	53	47	58	69	76	79	82	78	70	82	83	81	74	77	83	84	85	88	88	89	78	80	81	82	92	90	78	83	76.3
	Minimum	46	45	53	47	46	46	40	42	47	42	53	48	52	54	45	48	39	45	48	48	49	58	58	52	52	53	60	57	60	60	65	50.1
Piedmont	Maximum	48	61	57	50	48	60	68	75	76	79	62	53	81	76	75	69	74	81	80	83	86	85	88	63	80	78	76	90	73	77	81	72.0
	Minimum	41	42	46	44	43	44	38	41	40	41	47	45	51	49	46	44	36	37	46	50	49	57	62	49	51	51	59	63	61	62	62	48.3
Romney	Maximum	51	61	60	61	50	60	68	78	88	82	80	59	79	86	86	80	76	83	81	84	88	87	92	78	81	81	79	83	90	80	82	76.6
	Minimum	41	37	43	45	42	43	37	38	42	41	50	45	51	52	45	45	35	43	47	49	47	60	58	50	51	50	61	60	60	62	57	48.0
Upper Tract	Maximum	60	63	60	60	58	51	67	68	80	78	65	60	60	79	78	75	78	80	80	80	81	80	78	76	66	70	79	78	74	74	79	71.5
	Minimum	40	39	41	41	40	40	34	35	34	34	33	45	45	44	42	41	33	35	36	38	43	46	49	51	51	53	55	54	61	60	60	43.6
Northern Division.																																	
Bens Run	Maximum	53	61	54	62	58	67	72	73	77	80	77	75	79	73	68	68	76	84	87	86	83	86	89	76	85	76	89	88	77	86	87	75.9
	Minimum	40	42	47	47	46	42	40	42	42	40	55	54	56	50	56	42	40	46	48	54	56	60	62	63	62	59	61	67	64	61	61	51.8
Buckhannon	Maximum	45	54	55	53	49	54	67	68	71	77	75	74	75	73	72	66	72	77	82	82	81	82	84	77	76	79	82	86	77	78	81	71.7
	Minimum	36	45	46	46	45	45	44	40	47	40	57	55	54	50	45	43	37	41	50	50	57	62	48	63	61	59	63	62	66	62	56	50.8
Cairo	Maximum	55	60	57	62	56	66	73	73	78	81	76	77	80	77	72	69	78	83	89	86	86	87	89	74	84	82	90	89	80	85	87	76.8
	Minimum	33	42	47	47	47	38	35	39	35	39	54	52	53	49	43	38	37	39	49	49	52	56	57	62	59	59	57	62	61	59	59	48.6
Creston	Maximum	55	58	56	60	55	66	71	72	77	84	79	82	83	80	77	69	80	86	90	87	88	86	89	80	83	79	91	88	77	83	90	77.5
	Minimum	33	42	48	48	48	40	37	42	37	40	57	55	53	52	45	40	39	42	50	51	54	58	60	63	60	64	62	64	62	60	60	50.5
Elkins	Maximum	41	58	53	48	47	51	63	66	69	76	67	72	75	71	70	61	72	78	81	83	80	80	82	70	73	77	83	84	68	76	81	69.5
	Minimum	37	37	43	42	41	41	34	35	33	37	53	51	54	50	41	41	33	38	46	52	50	60	61	56	57	58	56	59	61	58	53	47.4
Fairmont§	Maximum	44	62	58	55	50	62	71	76	79	82	72	80	79	75	72	71	80	85	92	90	89	87	88	76	83	84	91	90	78	86	91	76.7
	Minimum	41	41	43	46	45	43	38	38	38	41	53	51	52	51	46	41	39	42	54	51	54	61	61	63	60	55	62	70	63	65	60	50.6
Glenville	Maximum	55	67	60	60	55	66	71	76	80	84	83	80	83	83	79	77	81	88	93	93	93	90	91	83	91	85	93	93	90	87	91	80.7
	Minimum	31	42	48	46	45	38	38	40	35	37	56	53	52	53	44	39	37	39	47	50	50	56	57	61	53	64	62	61	60	62	60	48.9
Grafton	Maximum	46	61	54	53	61	68	68	76	78	82	70	77	79	77	73	..	..	..	89	88	89	87	87	77	81	82	88	91	74	83	82	75.8
	Minimum	36	40	45	46	45	42	38	38	36	40	57	51	53	49	43	41	37	..	..	..	51	58	58	59	60	55	60	60	62	60	57	49.2
Lost Creek	Maximum	46	58	55	54	50	60	70	71	76	80	77	76	77	74	71	68	78	83	85	87	88	85	88	77	79	79	88	88	82	80	85	74.7
	Minimum	32	40	46	45	45	37	35	36	33	36	56	55	50	48	40	36	34	36	47	45	48	56	58	60	60	54	58	62	60	62	56	47.3
Mannington	Maximum	46	56	56	55	51	62	68	71	74	76	73	73	76	77	69	64	73	77	83	82	81	83	84	73	79	76	83	85	74	80	81	72.3
	Minimum	37	40	47	46	45	39	36	38	35	38	47	52	51	48	43	39	35	39	49	49	50	57	57	61	59	54	59	60	62	61	62	48.2
Morgantown	Maximum	44	56	54	53	48	59	68	72	74	79	74	70	75	72	70	65	76	79	87	83	85	84	86	71	79	77	83	87	74	81	84	72.5
	Minimum	39	38	46	44	43	42	41	40	41	45	54	49	54	50	44	42	38	44	54	62	62	60	62	60	58	56	62	65	52	61	62	50.6
New Cumberland	Maximum	45	58	60	62	55	66	68	71	74	79	70	70	76	73	63	61	75	75	84	85	92	87	87	73	79	78	84	87	75	84	86	73.6
	Minimum	41	41	44	47	42	40	39	37	36	37	45	50	54	47	44	35	36	41	48	51	51	57	61	65	60	56	55	66	63	60	60	48.7
New Martinsville	Maximum	54	63	57	53	58	69	75	77	80	82	79	76	80	76	73	71	80	83	90	89	87	87	87	75	84	82	90	88	78	88	90	77.5
	Minimum	37	42	48	46	46	39	38	41	39	41	58	54	55	52	45	41	40	43	52	52	55	59	61	63	62	58	61	66	62	61	62	50.9
Parkersburg	Maximum	54	55	53	62	56	67	69	70	76	79	74	75	79	73	66	64	73	79	86	84	84	86	89	72	82	77	89	87	76	82	84	74.3
	Minimum	42	43	48	48	49	44	43	47	42	46	59	57	57	50	50	45	43	46	57	58	60	63	65	64	64	64	64	66	65	64	65	54.1
Parsons	Maximum	49	65	54	47	49	55	74	76	75	72	64	76	80	82	81	70	80	84	90	88	90	78	85	68	66	86	93	90	67	80	85	74.2
	Minimum	36	36	42	40	40	42	36	34	29	30	48	47	47	50	37	36	30	34	43	45	46	44	56	56	54	52	56	55	58	56	56	44.2
Philippi	Maximum	42	56	52	50	48	57	67	70	73	77	75	74	75	72	70	67	73	79	85	84	81	81	82	76	78	79	87	86	82	78	84	72.3
	Minimum	39	40	43	42	41	38	40	40	43	53	51	54	47	43	42	30	41	36	49	59	54	52	54	60	59	54	60	64	60	57	55	48.4
Pickens	Maximum	42	63	50	45	45	47	61	65	78	..	68	73	74	73	73	64	68	79	83	83	79	79	80	76	70	78	82	84	65	73	82	69.4
	Minimum	31	34	39	39	38	35	33	35	38	..	50	50	54	48	39	32	36	38	46	52	51	56	56	52	55	56	54	59	56	54	48	45.5
Terra Alta	Maximum	36	54	51	41	45	52	54	56	68	72	69	55	67	67	62	60	67	75	76	72	78	77	72	65	71	74	73	80	75	75	76	65.0
	Minimum	34	34	40	39	38	39	34	41	33	34	44	42	49	43	37	36	29	35	48	51	45	55	61	43	48	50	55	56	58	57	55	44.0
Wellsburg	Maximum	54	56	58	61	52	69	71	72	76	82	73	71	78	71	66	65	75	80	88	86	88	86	88	73	82	78	87	88	78	88	88	75.1
	Minimum	39	41	46	41	46	40	36	36	34	36	53	50	52	45	42	33	33	39	46	49	46	54	59	62	61	55	54	63	62	58	58	47.4
Weston	Maximum	48	59	57	53	50	59	70	71	75	78	75	75	77	74	72	67	75	81	85	85	84	83	85	78	78	80	87	87	82	81	84	74.0
	Minimum	34	41	47	45	46	40	38	39	37	41	58	53	55	51	44	41	38	41	50	59	52	60	60	62	62	59	62	66	64	64	59	50.3
Wheeling§	Maximum	45	55	54	64	57	70	75	80	82	85	76	82	82	76	69	70	78	83	92	88	90	90	91	74	84	81	89	91	75	90	92	77.7
	Minimum	38	42	44	45	47	42	41	39	39	42	45	52	50	49	45	40	37	42	47	53	54	58	62	64	62	58	60	67	50	55	60	49.3
Southern Division.																																	
Beckley	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Bluefield	Maximum	56	64	64	51	49	50	64	68	74	75	69	70	72	74	74	68	76	80	80	75	77	80	82	81	78	77	80	81	77	79	82	71.8
	Minimum	34	39	41	40	41	41	37	42	39	42	51	52	56	50	49	45	38	46	55	55	61	53	57	54	50	60	55	61	63	54	52	48.8
Charleston	Maximum	81	75	73	74	73	78	75	75	78	80	61	76	78	81	82	80	80	82	89	87	89	89	92	89	80	76	82	83	85	86	88	80.5
	Minimum	39	42	41	40	43	44	41	42	46	51	40	45	57	50	49	42	50	43	51	55	59	60	59	60	62	64	50	58	60	62	60	50.5
Gary§	Maximum	58	48	48	51	54	45	47	67	70	76	80	76	78	..	78	77	70	80	84	83	..	80	82	86	81	83	81	..	85	80	..	73.1
	Minimum	36	34	44	45	46	37	35	35	40	40	42	50	54	53	..	55	46	40	44	47	50	..	57	56	60	52	58	58	..	61	59	47.6
Green Sulphur Spgs.	Maximum	58	63	57	55	53	55	67	69	76	80	67	71	78	78	77	70	79	84	81	81	81	84	85	69	72	78	88	84	84	71	83	73.5
	Minimum	30	41	40	44	45	39	36	35	34	38	50	54	51	54	44	42	35	40	47	49	53	53	54	49	56	60	60	54	56	51	52	46.6
Hinton§	Maximum	64	66	49	56	54	53	70	72	83	83	70	73	78	83	80	72	82	86	85	81	84	86	88	72	68	76	86	86	76	80	82	75.0
	Minimum	35	42	44	46	45	45	40	40	38	40	43	53	52	52	47	47	40	42	48	50	53	57	58	58	52	53	61	63	60	61	60	49.2
Huntington§	Maximum	65	56	54	65	59	68	74	75	82	82	75	80	83	80	74	74	82	85	90	87	88	90	93	83	86	75	92	91	82	87	90	78.9
	Minimum	40	46	46	48	50	48	43	45	43	49	55	59	58	53	50	45	43	47	53	57	60	60	67	65	68	65	63	67	65	64	65	54.4
Lewisburg	Maximum	55	60	55	54	51	51	63	66	72	79	63	67	73	73	75	67	73	80	79	80	80	83	82	74	70	75	83	83	73	75	81	70.8
	Minimum	33	39	42	42	42	42	33	34	32	36	49	50	47	46	42	44	33	40	47	47	52	51	54	52	48	59	60	59	58	55	54	45.9
Marlinton	Maximum	44	56	48	56	54	48	58	62	68	72	60	58	68	68	70	64	70	78	74	76	74	80	82	64	70	76	74	80	66	70	68	66.3
	Minimum	32	34	38	38	40	36	28	30	24	30	46	44	44	44	36	34	28	34	40	40	48	50	52	48	46	50	56	58	58	54	46	41.5
Point Pleasant	Maximum	..	..	..	65	67	70	71	76	81	81	83	76	81	77	73	71	74	83	87	85	86	88	88	88	83	80	72	78	84	88	91	79.5
	Minimum	..	..	..	47	50	41	41	42	38	43	56	57	60	50	45	40	40	43	51	52	55	69	63	62	64	70	57	61	65	70	60	53.3
Powellton	Maximum	..	64	50	60	55	57	..	71	..	..	82	..	82	79	..	78	80	..	90	90	..	..	89	88	89	88	91	91	..	85	90	78.5
	Minimum	..	..	37	37	37	37	..	..	..	..	..	..	..	..	..	..	39	..	43	55	..	..	57	61	57	62	59	61	..	62	59	50.9
Robertsburg§	Maximum	60	55	55	63	63	70	70	73	79	81	75	77	81	75	72	70	79	82	92	84	87	87	89	79	83	72	90	89	82	86	90	77.1
	Minimum	34	44	46	48	49	39	40	40	37	41	55	57	55	55	46	40	38	42	50	52	56	56	62	62	62	63	60	64	63	60	61	50.9
Ryan	Maximum	58	57	57	60	59	61	70	73	76	80	73	76	80	75	74	70	76	79	87	89	91	92	92	78	79	75	88	88	85	84	86	76.4
	Minimum	29	43	46	49	47	45	34	37	33	37	54	56	51	51	41	36	35	38	47	50	53	58	59	57	65	58	67	67	57	61	58	49.0
Spencer§	Maximum	60	62	60	60	54	63	71	72	58	82	72	78	80	70	71	69	82	81	88	84	84	85	88	77	80	76	88	88	82	81	85	75.2
	Minimum	34	43	52	50	47	39	37	40	37	52	56	57	56	51	40	42	38	41	49	55	55	57	63	62	61	65	61	65	60	58	59	51.0
Union	Maximum	60	61	55	60	56	57	56	70	78	80	79	84	75	77	79	77	78	85	80	81	81	82	85	82	73	75	81	83	81	82	80	74.6
	Minimum	37	36	35	40	41	40	33	32	33	40	39	36	49	50	51	49	33	36	47	48	41	53	54	54	47	50	57	58	56	51	54	44.5
White Sulphur Spgs.	Maximum	59	51	56	53	59	66	71	78	83	63	67	72	80	81	72	79	84	80	79	80	81	88	62	74	78	80	86	73	75	81	..	73.1
	Minimum	41	45	42	43	41	33	33	31	34	51	51	48	47	41	46	31	37	44	44	53	52	52	59	49	54	59	61	61	58	55	48	46.6
Williamson§	Maximum	59	58	51	58	56	58	65	71	75	77	76	73	76	74	72	68	75	79	83	80	79	81	85	85	82	79	83	85	76	80	81	73.5
	Minimum	38	39	45	47	47	45	44	46	45	49	53	49	57	58	53	46	42	45	51	54	60	62	63	65	62	65	63	63	64	64	64	53.2

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

NWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXIX. PARKERSBURG, W. VA., JUNE, 1921. No. 6.

GENERAL SUMMARY.

June was much warmer and considerably drier than usual, with the rainfall unfavorably distributed throughout the month and over the State. With the exception of two or three short periods, the temperatures were continuously above the normal, but the highest readings were generally well within previous June records. The conditions in many sections were decidedly droughty until near the end of the second decade, causing considerable damage to crops, especially potatoes, oats, and meadows. Torrential rains, attending an electrical storm, fell during the 18th and night of 18-19th over the western portions of Wetzel and Tyler counties and the northern portion of Doddridge County, causing much damage to crops, roads, and oil interests. Many houses were also flooded and several houses were washed from their foundations. No lives were lost. At the close of the month wheat was being harvested, with fair yield, and corn was making rapid growth.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.02 and 30.01 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.30 inches on the 5th, and 29.74 inches on the 28th. Elkins, 30.32 inches on the 6th, and 29.71 inches on the 28th

TEMPERATURE.

The monthly mean for the State, determined from 51 stations, was 72.4°. The departure from the normal from 45 stations having ten or more years of record was +3.2°. The temperature was continuously above the normal, except from the 4th to the 8th and the 14th to the 17th, with the highest readings occurring generally on the 25th. The lowest readings occurred in most districts on the 6th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 72 per cent; 8 p. m., 64 per cent. The June averages for the same hours for the past 31 years are 78 and 68 per cent, respectively. Elkins, 8 a. m., 86 per cent; 8 p. m., 77 per cent. The June averages for Elkins for the same hours for the past 21 years are 84 and 74 per cent, respectively.

PRECIPITATION.

The monthly mean for the State, determined from 71 stations, was 4.01 inches. The departure from the normal for 50 stations having ten or more years of record was —0.44 inch. The rainfall was heaviest over the central and northwest-central counties and lightest over the eastern counties. Showers occurred in the central counties on the 4th, in the southern counties on the 8th, 9th, and 10th, and in most districts on the 11th, 12th, 13th, 14th, and 17-19th. Showers also fell daily in many districts from the 22d to the close of the month. The heaviest rainfall was recorded on the 18-19th, 23d, and 29th.

HAIL.

Light hail fell at Ryan on the 18th and at Smithfield on the 26th.

WIND.

The average wind velocity at Parkersburg was 4.2 miles per hour, or 0.4 mile below the June average for 31 years The average at Elkins was 3.4 miles per hour, or 0.1 mile above the June average for 22 years. The highest velocity at Parkersburg was 30 miles per hour from the west on the 26th, and at Elkins 34 miles per hour from the northwest on the 17th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 73 per cent of the possible amount, or 15 per cent above the June average for 23 years. The average at Elkins was 56 per cent, or 4 per cent below the June average for 22 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Brandywine, 30th; Cairo, 20th, 24th, and 27th; Creston, 1st and 13th; Davis, 12th; Elkins, 12th, 13th, 20th, 25th, and 26th; Glenville, 12th; Grafton, 13th: Hinton, 20th; Mannington, 1st, 6th, 9th, 10th, 13th, 14th, 15th, 21st, 24th, 25th, and 30th; Marlinton, 6th, 10th, 24th, 27th, 28th, and 30th; Moundsville, 10th and 21st; New Cumberland, 9th, 10th, 15th, and 24th; Pickens, 4th; Romney, 7th, 8th, 9th, 10th, 11th. and 20th; Rowlesburg, 4th and 9th; St. Marys, 20th; Terra Alta, 4th; Weston, 20th; Wheeling, 9th.

Halos, lunar: Pickens, 14th; Wheeling, 10th, 19th, and 21st.

Thunderstorms (dates and number of stations reporting): 1st, 1; 3d, 7; 4th, 5; 11, 8; 13th, 10; 14th, 4; 17th, 14; 18th, 16; 19th, 4; 22d, 6; 23d, 3; 24th, 6; 25th, 10; 26th, 8; 27th, 5; 28th, 10; 29th, 12; 30th, 7.

COMPARATIVE DATA FOR JUNE.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	71.2	....	....	5.02	....	....	....	..	..	..
1892	74.1	99	41	3.95	....	....	....	..	..	..
1893	70.2	99	40	3.81	6.41	1.83	....	13	10	7
1894	70.4	103	32	3.27	6.78	1.25	....	16	10	4
1895	72.1	102	38	2.92	5.66	1.20	....	15	10	5
1896	69.8	95	30	5.35	9.86	0.11	....	8	14	8
1897	69.3	96	35	4.31	6.77	1.31	....	12	12	6
1898	70.9	99	41	3.21	7.50	0.66	....	14	11	5
1899	72.0	98	35	4.99	8.93	1.46	....	14	9	7
1900	71.2	98	41	5.30	15.62	2.49	...	9	12	9
1901	70.7	104	32	5.67	11.10	1.37	....	12	12	6
1902	68.0	100	33	5.19	8.49	2.45	....	11	13	6
1903	65.1	93	34	4.80	12.30	2.01	....	8	11	11
1904	69.5	97	36	4.20	8.29	2.05	....	10	13	7
1905	70.6	100	31	4.38	7.72	1.74	....	13	11	6
1906	70.9	101	38	5.25	9.32	2.81	...	11	12	7
1907	65.3	97	33	6.00	11.95	1.93	....	10	11	9
1908	69.2	98	36	3.12	6.75	1.35	....	15	10	5
1909	71.1	101	35	5.73	9.19	2.47	....	9	13	8
1910	66.6	96	32	5.67	11.27	1.52	....	10	10	10
1911	70.7	101	40	4.44	9.34	1.88	....	14	10	6
1912	67.3	95	29	4.27	9.21	1.11	....	13	10	7
1913	69.5	99	29	3.44	6.55	0.86	....	18	8	4
1914	72.0	100	30	3.00	6.60	0.62	...	15	11	4
1915	67.7	95	33	3.63	7.99	1.21	....	15	8	7
1916	65.8	94	35	5.42	14.54	2.50	...	14	8	8
1917	67.7	99	31	3.81	6.58	1.38	....	14	9	7
1918	68.2	99	34	4.17	10.11	0.87	....	16	7	7
1919	73.0	100	40	5.96	10.15	1.67	....	16	8	6
1920	67.9	98	36	5.01	9.70	2.53	....	13	7	10
1921	72.4	101	38	4.01	8.67	0.47	....	15	9	6
Means and extremes..	69.7	104	29	4.46	15.62	0.11	....	13	10	7

Climatological Data for June, 1921.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	J. C. Foutz.
Brandywine	Pendleton	...	5	70.1	...	93	13†	38	6	43	1.30	...	0.40	0	5	24	6	0	n.	Elmer Keister.
Burlington	Mineral	875	27	69.2	+ 0.9	94	28	40	6	37	1.49	−2.48	0.60	0	5	10	18	2	nw.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	32	...	...	...	...	...	...	...	1.49	−2.33	0.74	0	5	...	...	...	e.	S. W. Lightner.
Martinsburg	Berkeley	435	29	73.4	+ 2.8	96	13	47	6	37	4.80	+0.44	2.03	0	8	21	7	2	n.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	25	73.8	+ 4.2	97	28	45	15	43	2.41	−1.76	1.09	0	6	29	0	1	...	M. S. Henkel.
Piedmont	Mineral	919	8	71.0^{f}	...	92	28	42	5	38^{g}	3.02	...	1.80	0	...	11^{g}	6^{g}	6^{g}	se.	C. A. Suter, Jr.
Piedmont	Hampshire	824	23	72.6	+ 2.7	94	24†	39	6	41	4.68	+0.56	2.85	0	5	16	10	4	...	Geo. E. Arnold.
Upper Tract	Pendleton	1,230	22	69.4^{c}	+ 1.5	90^{c}	28	40^{c}	5	38^{c}	1.60	−2.58	0.65	0	5	22^{b}	4^{b}	2^{b}	w.	J. M. Mallow.
Wardensville	Hardy	1,200	3	...	...	94^{d}	28	...	...	...	0.47	...	0.31	0	4	6	18	6	se.	Luther F. Sutton.
Averages and	extremes	...	...	71.4	+ 2.4	97	28	38	6	43	2.36	−1.36	2.85	0	5	18	9	3	n.	
Northern Division.																				
Bens Run	Pleasants	622	19	75.3	+ 5.0	94	17†	47	6	36	2.05	−2.47	0.70	0	9	20	10	0	...	J. D. Riggs.
Bruceton Mills	Preston	1,549	1	...	...	...	...	...	...	...	4.09	...	1.24	0	9	5	19	6	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	24	71.0	+ 2.4	89	25†	50	20	31	6.48	+1.50	2.00	0	8	19	7	4	...	H. A. Darnall.
Cairo	Ritchie	680	22	73.8	+ 3.3	93	13†	42	6	43	4.47	−0.34	1.02	0	12	10	10	10	...	O. C. Hess.
Cortland	Tucker	3,300	5	...	...	...	...	...	...	...	4.82	...	1.27	0	13	9	21	0	...	G. W. Harmon.
Creston	Wirt	701	19	74.8	+ 4.2	97	25	46	6	40	6.16	+1.89	2.00	0	9	17	4	9	sw.	J. M. Reed.
Davis	Tucker	3,093	12	...	...	...	...	...	...	...	4.89	...	1.48	0	9	15	11	4	w.	Ross C. Male.
Elizabeth	Wirt	646	9	...	...	...	...	...	...	...	6.67	...	2.89	0	12	...	...	...	...	E. D. Ball.
Elkins	Randolph	1,947	20	68.6	+ 2.0	87	25	42	6	34	6.08	+1.04	1.83	0	13	5	18	7	w.	U. S. Weather Bureau.
Fairmont	Marion	883	15	74.4	+ 4.1	96	25	45	6	35	4.36	−0.13	0.97	0	12	25	4	1	w.	F. P. Hall.
Glenville	Gilmer	738	27	75.7	+ 4.9	97	25	44	6	46	4.09	−0.36	0.98	0	9	16	11	3	w.	Howard R. Brannon.
Grafton	Taylor	1,000	28	72.7	+ 3.4	94	25†	44	6	38	2.73	−1.80	1.00	0	8	9	18	3	e.	W. C. Byers.
Lost Creek	Harrison	1,026	23	71.7	+ 3.9	93	25	40	6	42	5.85	+1.71	3.05	0	10	17	10	3	w.	Allen Smith.
Mannington	Marion	974	18	70.2	+ 2.1	88	13†	42	6	35	3.99	−0.23	1.73	0	12	12	12	6	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	28	73.1^{a}	+ 4.0	94^{a}	24†	46^{a}	5	37^{a}	4.22	−0.32	1.90	0	7	5^{b}	6^{b}	17^{b}	...	Prof. E. L. Andrews.
Moundsville	Marshall	642	18	73.6^{a}	+ 3.8	94^{a}	25	43	6	37^{a}	3.98	+0.50	1.42	0	7	15	15	0	sw.	G. W. Wright.
New Cumberland	Hancock	987	23	72.4	+ 4.5	97	25	40	5	35	3.49	−0.95	1.00	0	8	18	8	4	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	27	74.8	+ 3.4	95	24	45	6	40	5.83	+1.76	2.30	0	10	19	11	0	s.	Wm. Ankrom.
Parkersburg	Wood	638	34	75.0	+ 3.6	92	13	50	5	32	3.63	−1.02	2.65	0	10	12	11	7	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	21	71.2	+ 5.1	98	25	38	6	49	2.98	−2.26	...	0	6	14	11	4	...	J. W. Swisher.
Philippi	Barbour	1,149	24	71.5	+ 3.1	92	25	48	5†	34	8.31	+3.74	2.11	0	11	11	9	10	w.	Prof. M. B. Pimm.
Pickens	Randolph	2,697	18	67.6	+ 2.5	88	27	45	6†	37	5.93	−0.05	1.61	0	10	21	7	2	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	34	...	...	...	...	...	...	...	4.55	−0.49	1.35	0	11	...	...	...	w.	J. F. Pierce.
Saint Marys	Pleasants	577	12	...	...	...	...	...	...	...	3.73	−0.04	0.95	0	10	...	...	...	sw.	Wm. Hughes.
Smithfield	Wetzel	835	15	69.6	+ 1.7	89	17†	42	6	37	8.67	+4.11	6.40	0	13	23	7	0	sw.	G. M. Whisler.
Stony River Dam	Grant	...	1	66.4^{a}	...	83^{a}	26	48	17	28	2.35	...	0.61	0	10	7	8	15	w.	A. C. Becker.
Terra Alta	Preston	2,612	20	65.2	− 0.6	81	18†	39	15	35	3.00	−3.98	0.97	0	13	12	12	6	w.	Dr. C. O. Gorby.
Wellsburg	Brooke	1,225	20	72.9	+ 5.3	95	24†	41	5†	40	3.32	−1.17	0.97	0	10	20	6	4	w.	George P. Pfister.
Weston	Lewis	1,026	25	72.8	+ 2.5	91	25	46	6	34	5.68	+0.13	2.43	0	11	4	19	7	n.	Weston State Hospital.
Wheeling	Ohio	645	34	75.4	+ 4.5	97	24†	48	6	39	4.89	+1.07	1.88	0	8	18	11	1	sw.	Miss M. B. Forsyth.
Averages and	extremes	...	...	72.1	+ 3.4	98	25	38	6	49	4.71	+0.07	6.40	0	10	14	11	5	w.	
Southern Division.																				
Bancroft	Putnam	574	17	73.4	+ 2.5	92	25	50	6	34	2.25	−2.38	0.60	0	11	13	4	13	s.	E. H. Morrow.
Beckley	Raleigh	2,440	21	68.8	+ 1.6	84	29	47	5	23	5.08	+0.87	2.15	0	5	16	5	9	s.	John H. Ewart.
Bluefield	Mercer	2,558	26	71.8	+ 3.0	88	16†	53	15	33	2.45	−2.33	0.56	0	13	8	18	4	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	6	...	...	...	...	...	...	...	2.00	...	1.00	0	3	22	0	8	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	18	76.6	+ 3.5	95	26	55	16	34	3.09	−1.50	1.30	0	8	19	0	11	...	C. V. Lewis.
Clay	Clay	706	5	...	...	...	...	...	...	...	2.87	...	1.54	0	10	...	...	...	...	Mark King.
Cuba	Jackson	650	19	73.0	+ 3.9	91	13†	45	6	36	3.25	−0.58	0.90	0	7	9	16	5	w.	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	5	...	...	...	...	...	...	...	4.76	...	2.10	0	9	...	...	...	...	Lockmaster.
Dam 20 O. R.	Wood	551	5	...	...	...	...	...	...	...	3.41	...	1.50	0	8	...	...	...	...	Lockmaster.
Dam 22 O. R.	Jackson	538	6	...	...	...	...	...	...	...	2.37	...	0.65	0	5	...	...	...	...	Lockmaster.
Dam 26 O. R.	Mason	505	5	...	...	...	...	...	...	...	2.17	...	0.65	0	6	...	...	...	...	U. S. Engineer Office.
Evans	Jackson	606	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	B. F. Sayre.
Gary	McDowell	1,426	5	73.2	...	91	25†	54	20†	34	4.27	...	0.70	0	14	12^{b}	0^{b}	16^{b}	...	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	25	71.3	+ 2.8	93	24	48	5	41	4.37	+0.20	1.25	0	9	11^{a}	8^{a}	10^{a}	...	W. H. Gwinn.
Hinton	do	1,450	24	71.5	+ 1.0	90	25†	51	6	32	6.28	+2.04	2.52	0	13	10	2	18	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	27	78.4	+ 5.8	101	25	53	5	36	2.58	−1.53	1.04	0	8	15	3	12	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	2	...	...	...	...	...	...	...	3.86	...	1.10	0	7	...	...	...	...	J. O. Brown.
Kayford	Kanawha	1,335	5	...	...	...	...	...	...	...	6.58	...	2.95	0	15	...	...	...	...	Cabin Creek Con. Coal Co
Lewisburg	Greenbrier	2,200	21	69.8	+ 2.6	90	28	46	6	37	3.10	−1.13	0.94	0	11	20	7	3	nw.	Geo. T. Argabate.
Logan	Logan	687	18	78.5	...	100^{a}	26	56	6	39^{a}	2.77	−2.74	1.55	0	3	19	8	3	e.	C. & O. R. R.
Marlinton	Pocahontas	2,131	22	65.0	+ 0.2	88	28	38	6	40	4.14	−0.82	1.46	0	11	2	24	4	sw.	S. L. Brown.
Miller	Fayette	...	1	...	...	...	...	...	...	...	8.41	...	2.04	0	16	...	...	...	...	J. R. Bays.
Point Pleasant	Mason	553	28	76.2^{i}	+ 3.8	96	25	46^{i}	6	40^{i}	2.47	−1.93	0.70	0	7	24	0	6	...	W. D. Holmes.
Powellton	Fayette	933	25	75.7^{m}	+ 5.0	96^{i}	16†	54^{m}	2	39^{m}	3.93	−0.71	1.14	0	...	12^{i}	2^{i}	7^{i}	...	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	5	...	...	...	...	...	...	...	6.59	...	2.15	0	11	...	...	...	...	Raleigh Coal & Coke Co.
Renick	Greenbrier	1,653	5	...	...	...	...	...	...	...	1.34	...	1.05	0	3	...	...	...	...	Wm. B. Hill.
Robertsburg	Putnam	574	21	75.3	+ 4.0	96	25	49	5	40	2.22	−1.73	0.80	0	7	13	4	13	s.	E. C. Brace, Jr.
Ryan	Roane	700	18	73.6	+ 4.5	92	25†	45	6	42	4.36	−0.12	2.74	0	13	17^{a}	8^{a}	4^{a}	...	Wm. E. Ryan.
Sharples	Logan	...	1	...	...	...	...	...	...	...	3.47	...	0.72	0	7	...	...	...	...	C. E. Rippetoe.
Spencer	Roane	784	17	74.0	+ 4.1	91	17	50	5	36	6.60	+2.25	2.13	0	10	6	24	0	...	A. M. McKown.
Sutton	Braxton	839	15	72.2	...	95	24†	46	5	35	4.23	−1.36	2.00	0	7	23	4	3	...	Lawrence Freeman.
Union	Monroe	2,250	17	71.0	+ 4.0	91	26	46	6	35	4.12	−0.20	1.00	0	9	...	...	...	...	Edward H. Shanklin.
White Sulphur Springs	Greenbrier ††	1,940	11	70.1^{a}	...	92^{a}	25†	42	15	47^{a}	2.22	...	0.75	0	13	17	11	2	...	J. M. Ayres.
Williamson	Mingo	660	21	74.5	+ 2.5	90	25†	51	6	30	2.83	−1.80	0.93	0	10	17	8	5	w.	J. F. Keyser.
Averages and	extremes	...	...	73.2	+ 3.2	101	25	38	6	42	3.82	−0.82	2.95	0	9	15	7	8	s.	
State averages and	extremes	...	...	72.4	+ 3.2	101	25	38	6	49	4.01	−0.44	6.40	0	9	15	9	6	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c appearing in the table indicate number of days missing; for example, b represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for June, 1921.

Stations.	Drainage-basin.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac																																....
Brandywine	....do																		.15	.25			.35			.20				.35			1.30
Burlington	....do											T.		T.				.28	T.						.60	.11				.32	.15		1.49
Harpers Ferry ‖	....do																		.71					.05					.22	.33	.15		1.19
Martinsburg	....do							T.				.27	T.					*	2.03								.36	.05	.04	.10	1.95		4.80
Moorefield	....do																		1.09	.15			.60	.02		.45	.10						2.41
Piedmont	....do	T.		T.							T.	T.	*	*	*	*	*	*	.47	.14						.04	1.80			.57			3.02
Romney	....do																		.68	.44			T.			2.85				.68	.03		4.68
Upper Tract	....do												T.		T.				.65	.15				.10		.30				.40			1.60
Wardensville ‖	....do								T.		T.							T.	.05					.04					.07		.31		0.47
Northern Division.																																	
Bens Run	Ohio											.13		.24				.17	.12	.58			.04					.16	.11	.50			2.05
Bruceton Mills ‖	Monongahela			.25								T.	.52	.08			T.	T.	.16	.18				.12		.64	.90	T.	1.24	T.	T.		4.09
Buckhannon	....do			*						T.			.70	.18		.18			.37	1.57	1.00			T.	2.00					.48	T.		6.48
Cairo				.07								.30	T.		.92			.17		1.02			.52	.28	.01		.46		.08	.57	.07		4.47
Cortland ‖	Monongahela	.63										.73		.50				1.27	.53					*	.41	*	*	.25	.21	.16	.07		4.82
Creston ‖	Little Kanawha								T.	T.			.03		.75				.75	2.00				.78	.70			.15		.40	.60		6.16
Davis ‖	Monongahela		.49	.10									.78		.40				1.48	.86					.28	.20					.30		4.89
Elizabeth ‖	Little Kanawha												.29		.35				.73	2.89				.37	.30	.57	.37	.30	.10	.20	.20		6.67
Elkins ***	Monongahela	.02			T.							.78	.09	.75				.31	1.85	.05			.07	.51	.04	.42	T.		.13	1.05			6.08
Fairmont ‖	....do				.97							.09	.12		.68				.46	.90				T.	.47	.11	.21	.03	T.	.28	.04		4.36
Glenville ‖	Little Kanawha												.44	.34	.75				.52	.98				.17	.15					.48	.26		4.09
Grafton ‖	Monongahela											T.	.15		.50				.65	.37					1.00	.03	.03		T.		.02		2.73
Lost Creek	....do.				T.				T.			.42	T.		.22			.19	1.65	1.40			.20	.58			.19		.80	.20	T		5.85
Mannington	....do				.89							.07	.12	.27					.07	.85	.88			.02	.29	.01	T.	.43		.09			3.99
Morgantown	....do				.24							T	.22	.27					1.90	T.				.10			1.31		.18	T.			4.22
Moundsville ‖	Ohio				.14								.84							1.42					.19		.56	.59		.24			3.98
New Cumberland ‖	....do				.78							.02	.24											1.00			.20	.56	.06	.63			3.49
New Martinsville	....do				.75							.28	.05	.60					.20	.10							2.30	.70	.35	.50			5.83
Parkersburg ***	Ohio								T.			.01	T.	.10				.11	2.65				.10		.12		.13	.10	.04	.27			3.63
Parsons	Monongahela	*		2.00								*		.73					*					.25									2.98
Philippi	....do											.25	.07		.75			.49	1.31	.56			T.	1.69	.58	T.	.15			2.11	.35		8.31
Pickens	....do.								T.	.14		.20	.41	.05				.15	.78	.83			.64	1.50						1.23			5.93
Rowlesburg ‖	....do				.25							.15	.52		.06				1.35	.40					.65		.03		.14	.96	.04		4.55
Saint Marys ‖	Ohio				.35								.12		.34				.38	.70				.05				.33	.46	.05	.95		3.73
Smithfield ‖	Fishing Creek				.71								.15			.03			.02	6.40	.01			.03	.01		1.03	.05	.16	.05	.02		8.67
Stony River Dam ‖	Monongahela												.22		.03				.61	.56				.12	.13		.21	.09		.15	.23		2.35
Terra Alta	....do				.29							.06	.18	.10				.20	.40	.12				.34	.11		.20	.02	.01	.97			3.00
Wellsburg	Ohio			.75	.08			T.				.04	T.							*				.14			.97	.36	.30	.32	.36		3.32
Weston	Monongahela								T.			.78	.28		.14			.17	1.20	1.23			.30	.95			.05		.38	.20			5.68
Wheeling ‖	Ohio				1.03								.45		T.				T.	1.58				.08	T.		.57	.25	.33	T.	.30		4.59
Southern Division.																																	
Bancroft ‖	Great Kanawha								.01	.11	.02			.18	.01				.25	.60				.29				.05		.15	.58		2.25
Beckley	....do									.53								2.00			.22		.18						2.15				5.08
Bluefield	....do								.08	.06	.09	T.	.02	.11				.32		.32			.56	.04		.15	.32			.36	.02		2.45
Camden-on-Gauley ‖	....do													.80					1.00				.20										2.00
Charleston ‖	....do									.35					.30					1.20	.10			.87				.20	.05		.02		3.09
Clay ‖	....do									.02				.01	.40			.10		1.54	.10			.16	.05					.16	.33		2.87
Cuba	Sand Creek																	.05	.45					.35	.60		.65	.25		.90			3.25
Dam 19 O. R. ‖	Ohio				T.				T.						.02				.30	2.10				.12	T.	.70	.18	T.	.36	.30	.68		4.76
Dam 20 O. R. ‖	....do																		1.50	.65				.46		.14		.35	.12	.08	.08		3.41
Dam 22 O. R. ‖	....do																			.47				.65					.02	.38	.55		2.37
Dam 26 O. R. ‖	....do									.05									.45	.65				.35						.25	.42		2.17
Evans	Ohio																																....
Gary ‖	Big Sandy		.03							.10	.03	.65	.03	.07					.35	.40	.18			.52	.02	.70				.70	.49		4.27
Green Sulpr. Spgs.	....do							.29	.96			.17			T.			.42	.61	.82					.25	T.	.26		.59				4.37
Hinton ‖	....do									.22	.24		.06						.76	2.52				1.02	.08	.04	.10	.34	.35	.50	.02		6.28
Huntington ‖	Ohio								T.	.46	T.								.50	.54	.06			.26		.06				.24	.46		2.58
Kanawha Falls ‖	Great Kanawha									.20		.90			.18					1.10					.28				.70		.50		3.86
Kayford ‖	....do		.35							.62	.10	.11	.31						.85	2.95	.05		.11	.02	.22		T.	*	.32	*	.57		6.58
Lewisburg	....do	.25							.03	.37		.28	.08					.20	.16	.94			.06	.08				T.	T.	.65			3.10
Logan ‖	Guyandotte									.32									.90		1.55												2.77
Marlinton	Great Kanawha	T.						T.	T.	.12		.12		.10				.20	.90	.54			1.24	.22		.06	.12			.52			4.14
Miller ‖	Meadow Creek	.23	.02					.17		.21		.12	.10		.30				.98	1.72			.24	.26	.10		.90		.33	.09	2.04		8.41
Point Pleasant ‖	Ohio					.25				T.	T.								T.	.52				.60	T.			.20	.50	.08	.32		2.47
Powellton	Great Kanawha		1.00								1.14	.09							.10	*	*	*	*	*	*	*	*	1.00		.60			3.93
Raleigh ‖	....do		.15							.35	.05		.25	T.					1.10	1.85	T.	T.		.23	.37	.02	T.	T.	T.	2.15	.07		6.59
Renick ‖	....do			.01																										.28	1.05		1.34
Robertsburg ‖	....do.								.04	T.			.45							.80			.05	.35						.28	.25		2.22
Ryan	....do.								.01			.03	.01		.01			.02	2.74	.70			.07	T	.01			.04	.10	.58	.04		4.36
Sharples ‖	Coal River									.45									.32	.70	.72				.42				.25		.61		3.47
Spencer ‖	Little Kanawha											.67			.30					2.13			.80	.50	.50		.25	T.	.55	.70	.20		6.60
Sutton	Great Kanawha	.05												.40			.58		.70				2.00							.45	.05		4.23
Union	....do	.15							1.00		.15	.20						.50	.80	1.00			.07							.25			4.12
White Sulphur Spgs.	....do	.25							.25	.25		.05	.10					.05	.15	.01			.01	.05				.25	.75	.05			2.22
Williamson ‖	Big Sandy									.06	.02		.13						.75	.26	.67			.48		.12				.06	.28		2.83

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for June, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Brandywine	Maximum	84	75	85	78	74	78	80	78	78	82	86	89	93	90	85	84	90	86	83	84	90	88	90	91	90	92	92	93	86	90	..	85.5
	Minimum	46	45	52	56	52	38	50	51	50	52	55	54	51	55	42	48	58	65	65	52	52	60	66	60	60	60	61	59	64	62	..	54.7
Burlington	Maximum	82	76	85	74	70	75	71	76	78	84	78	84	90	80	79	78	88	75	80	83	82	80	88	89	85	90	93	94	84	87	..	81.9
	Minimum	52	59	54	64	45	40	52	52	53	53	57	61	53	60	45	45	56	66	61	59	59	53	60	54	58	66	64	63	64	64	..	56.4
Martinsburg§	Maximum	85	79	86	78	77	78	72	80	82	88	89	89	96	85	82	86	92	78	83	84	90	94	90	94	92	93	93	94	93	89	..	86.4
	Minimum	56	57	55	57	49	47	50	58	57	56	61	66	59	65	53	55	62	64	62	57	59	61	66	67	68	70	67	66	70	70	..	60.3
Moorfield	Maximum	85	82	90	81	75	80	77	78	81	88	86	86	95	91	83	86	94	93	83	87	91	91	92	91	89	93	95	97	94	88	..	87.4
	Minimum	55	58	55	60	50	55	52	53	52	52	55	74	52	62	45	46	57	79	63	52	78	59	67	63	64	73	62	61	74	74	..	60.2
Piedmont	Maximum	82	78	80	73	77	73	80	81	82	86	87	..	90	..	..	..	..	..	81	85	89	89	88	90	89	90	91	92	85	88	..	84.4
	Minimum	53	56	65	47	42	52	53	54	53	55	56	..	..	..	46	..	..	..	62	51	51	58	71	64	65	66	66	64	67	66	..	57.6
Romney	Maximum	84	80	92	90	77	81	80	81	81	89	88	89	93	90	86	85	93	88	83	88	93	92	92	94	92	93	94	94	92	88	..	88.1
	Minimum	51	59	54	66	44	39	53	53	51	52	58	67	54	55	45	46	55	54	65	51	55	59	71	63	65	65	64	63	66	68	..	57.0
Upper Tract	Maximum	76	75	..	85	78	77	80	78	77	78	83	84	87	80	81	82	84	83	76	80	86	88	86	84	82	..	89	90	89	..	..	82 1
	Minimum	50	50	..	53	40	41	52	52	51	51	50	51	61	61	62	64	68	67	63	51	55	61	62	62	64	..	62	64	61	..	..	56.6
Northern Division.																																	
Bens Run	Maximum	88	89	88	77	78	83	83	77	88	90	86	87	92	83	88	88	94	89	85	87	91	89	89	93	94	90	92	91	84	89	..	87.4
	Minimum	63	60	64	69	49	47	58	54	66	68	66	68	58	62	53	53	60	69	67	61	61	67	69	68	69	70	70	69	69	68	..	63.2
Buckhannon	Maximum	82	84	84	75	75	74	80	74	80	85	82	78	84	78	76	80	84	82	80	81	84	82	82	85	89	89	88	87	83	83	..	81.7
	Minimum	56	62	60	54	52	54	60	51	54	55	62	67	58	65	52	51	64	67	64	50	58	64	68	64	68	67	66	65	67	68	.	60.4
Cairo	Maximum	88	90	90	85	78	85	85	81	85	91	90	87	93	90	84	87	93	89	86	88	90	89	89	89	93	90	91	91	84	86	..	87.9
	Minimum	57	58	58	61	47	42	55	50	54	55	63	69	56	54	50	49	59	67	66	59	57	64	66	67	67	69	67	64	63	69	..	59.6
Creston	Maximum	87	91	90	85	78	86	84	76	86	92	85	84	92	85	84	89	91	91	86	92	95	92	87	90	97	91	91	93	86	89	..	88.2
	Minimum	59	60	62	62	47	46	57	52	58	57	65	70	60	64	54	51	51	70	66	60	59	66	69	68	69	70	68	66	68	68	..	61.4
Elkins	Maximum	82	82	84	69	74	75	77	74	79	86	80	76	83	74	76	81	84	79	80	83	84	82	81	83	87	85	86	86	78	82	..	80.4
	Minimum	51	59	60	58	48	42	51	48	51	52	59	61	58	53	47	47	59	65	60	55	54	60	64	62	63	63	63	61	66	66	..	56.9
Fairmont§	Maximum	88	93	90	77	80	84	83	79	88	93	85	90	91	81	84	86	93	85	89	91	91	88	89	89	96	89	94	91	86	87	..	87.7
	Minimum	60	61	61	59	49	45	54	54	51	59	63	69	59	60	50	51	59	68	67	57	68	63	70	66	68	69	67	66	67	69	..	61.1
Glenville	Maximum	90	93	93	90	83	90	88	87	87	94	93	83	92	90	88	92	95	89	88	92	94	95	88	93	97	96	94	93	87	90	..	90.8
	Minimum	60	60	58	62	45	44	54	50	56	56	63	68	62	63	53	52	58	67	65	62	58	64	68	67	69	68	67	65	66	68	..	60.6
Grafton	Maximum	86	91	91	76	79	82	75	74	86	90	87	87	92	80	83	84	91	84	84	91	83	87	89	89	94	90	92	94	82	87	..	86.0
	Minimum	55	60	57	59	48	44	55	51	51	58	60	67	57	60	48	49	61	67	68	56	56	61	69	62	66	69	66	65	65	69	..	59.4
Lost Creek	Maximum	84	89	88	83	74	82	84	78	85	90	85	83	89	80	82	86	90	81	83	87	88	83	84	87	93	89	89	88	83	86	..	85.1
	Minimum	55	58	58	60	49	40	52	46	51	52	61	67	68	58	46	46	59	65	64	56	55	61	65	63	67	66	64	64	65	67	..	58.3
Mannington	Maximum	82	84	85	82	72	77	77	73	80	86	82	82	88	77	77	78	88	82	81	82	87	83	84	87	88	85	88	87	81	83	..	82.3
	Minimum	58	58	58	59	47	42	53	49	51	56	60	68	53	57	46	47	58	66	65	55	56	61	68	63	68	66	64	64	66	65	..	58.2
Morgantown	Maximum	84	87	87	86	74	80	78	78	84	90	91	84	90	79	80	84	90	89	85	87	..	89	86	94	94	90	92	88	80	86	..	85.7
	Minimum	58	61	63	55	46	53	57	52	55	62	66	66	60	59	49	49	60	66	65	59	..	63	68	64	68	66	68	70	67	68	..	60.5
New Cumberland	Maximum	79	86	74	60	74	80	76	78	87	89	83	82	90	77	81	79	91	91	88	89	92	89	82	90	97	90	89	89	87	83	..	84.1
	Minimum	62	53	65	52	40	53	54	59	54	59	66	67	55	55	54	56	60	70	69	66	58	66	68	63	63	66	68	69	69	65	..	60.8
New Martinsville	Maximum	89	92	90	86	80	85	85	81	88	92	90	89	93	81	85	86	92	90	88	90	93	91	83	95	94	90	90	88	81	90	..	88.2
	Minimum	62	60	64	58	48	45	56	53	55	59	61	70	56	61	51	62	60	68	67	58	60	64	69	66	69	69	68	67	68	65	..	61.4
Parkersburg	Maximum	85	87	88	74	74	82	80	76	83	89	85	84	92	79	81	85	92	90	82	86	89	88	88	89	92	89	91	91	84	87	..	85.4
	Minimum	66	62	67	58	50	52	58	59	60	63	70	66	60	65	58	57	64	68	68	65	67	72	72	69	69	69	72	71	71	69	..	64.6
Parsons	Maximum	90	90	93	72	75	83	85	79	83	91	70	83	90	89	90	90	90	89	86	92	91	89	80	88	98	90	91	92	88	92	..	87.0
	Minimum	48	53	59	47	57	38	46	46	49	51	49	60	55	49	45	41	53	65	62	53	55	60	60	67	68	69	64	65	66	60	..	55.5
Philippi	Maximum	83	87	87	82	74	81	80	80	84	88	85	83	85	85	80	81	86	81	82	85	85	83	83	87	92	87	87	87	82	85	..	83.9
	Minimum	57	60	59	56	48	49	56	49	50	60	60	59	60	61	48	50	61	64	64	58	58	63	66	67	66	66	65	65	63	66	..	59.1
Pickens	Maximum	82	83	83	70	60	78	79	76	78	79	80	72	86	79	80	83	84	75	80	84	85	82	82	86	86	87	88	86	83	82	..	80.6
	Minimum	50	51	52	52	50	45	51	46	51	49	57	61	54	51	45	46	52	60	57	52	51	59	62	60	63	61	62	60	62	62	..	54.5
Terra Alta	Maximum	78	70	78	78	65	73	70	67	72	78	75	75	80	71	74	77	78	81	71	79	78	77	75	78	81	79	79	81	74	79	..	75.7
	Minimum	..	52	48	58	45	40	47	45	45	50	53	63	56	56	39	50	54	65	59	56	49	52	66	64	60	62	63	63	62	65	..	54.6
Wellsburg	Maximum	..	89	88	77	78	80	84	81	88	92	85	87	93	86	85	84	93	92	89	92	92	91	91	95	95	91	91	90	88	86	..	87.9
	Minimum	51	52	60	53	41	41	56	51	53	56	62	70	53	53	45	46	53	68	69	52	55	63	68	63	61	67	66	65	69	65	..	57.9
Weston	Maximum	85	87	87	82	76	86	81	76	82	88	85	78	87	83	80	81	89	84	83	85	86	83	83	87	91	88	90	89	82	85	..	84.2
	Minimum	58	61	63	62	51	46	55	51	54	56	65	68	61	64	52	52	62	67	66	59	59	65	68	66	70	68	67	67	67	69	..	61.3
Wheeling§	Maximum	88	92	93	84	80	87	84	82	90	95	80	90	93	85	87	84	95	91	84	92	93	93	90	97	97	95	95	89	93	90	..	89.7
	Minimum	64	59	65	54	56	48	55	53	56	60	65	70	57	60	49	52	60	60	67	56	60	66	70	66	67	68	69	70	65	70	..	61.2
Southern Division.																																	
Beckley	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Bluefield	Maximum	82	78	82	83	77	76	81	80	72	82	83	80	84	87	86	88	87	81	83	79	85	86	85	86	88	86	87	88	84	84	..	83.1
	Minimum	56	60	58	59	56	54	57	57	58	54	63	65	63	64	53	56	60	65	61	58	61	66	64	65	61	63	64	63	64	66	..	60.5
Charleston	Maximum	90	90	91	92	88	85	87	89	85	91	89	89	92	89	88	89	89	90	85	89	91	90	90	94	92	95	92	92	94	85	..	89.7
	Minimum	62	64	63	64	62	57	58	58	60	61	69	62	67	68	56	55	59	61	62	58	61	67	70	67	65	65	70	70	71	70	..	63.4
Gary§	Maximum	87	86	87	80	79	83	84	74	78	88	86	83	86	89	87	90	85	87	80	85	88	83	88	90	91	90	91	89	83	87	..	85.5
	Minimum	55	58	56	60	61	56	56	57	61	57	64	65	67	63	56	58	58	65	64	51	54	54	66	66	64	65	65	65	65	68	..	60.8
Green Sulphur Spgs.	Maximum	80	81	86	80	80	84	72	73	72	84	85	83	89	87	86	90	88	87	78	86	89	89	91	93	92	99	89	88	84	88	..	84.8
	Minimum	53	52	54	52	48	54	51	52	53	54	65	63	63	59	52	49	54	63	63	52	59	60	66	66	62	61	60	61	64	68	..	57.8
Hinton§	Maximum	84	80	86	80	76	79	84	70	72	83	85	82	87	86	83	86	85	83	76	80	84	81	86	89	90	88	89	90	84	85	..	83.2
	Minimum	54	55	58	58	63	51	52	56	57	59	58	64	63	63	56	54	58	58	63	58	55	55	66	67	65	66	66	64	65	66	..	59.8
Huntington§	Maximum	90	94	95	81	82	88	90	75	87	94	85	89	97	89	89	94	90	95	87	95	97	92	90	92	101	99	100	92	80	89	..	90.6
	Minimum	65	65	66	65	53	55	60	61	64	64	70	72	65	70	60	58	65	70	70	64	65	72	71	71	70	74	71	71	71	69	..	66.2
Lewisburg	Maximum	85	76	84	81	73	76	81	74	69	81	81	78	84	84	80	86	84	83	78	81	85	83	84	85	88	88	88	90	82	81	..	81.9
	Minimum	50	55	56	57	60	46	53	50	59	53	61	62	59	61	51	49	54	66	63	53	49	63	65	63	64	63	61	59	63	64	..	57.7
Marlinton	Maximum	78	80	82	76	74	70	74	68	64	78	76	74	84	76	74	80	80	76	70	74	78	76	76	80	82	84	86	88	78	82	..	77.3
	Minimum	42	50	54	52	52	38	42	48	54	52	54	52	52	56	44	40	48	58	60	54	46	56	60	58	62	58	58	56	60	62	..	52.6
Point Pleasant	Maximum	89	89	91	79	76	86	87	87	87	93	89	90	91	91	81	92	94	94	93	87	93	90	94	92	96	95	93	93	85	93	..	89.5
	Minimum	64	60	..	..	60	46	56	55	61	60	68	71	60	62	54	52	..	72	..	..	..	71	..	68	70	..	..	70	71	65	..	62.7
Powellton	Maximum	90	90	91	88	..	89	92	88	89	87	89	94	89	92	..	96	89	86	..	..	..	..	..	..	96	..	95	95	88	90	..	90.6
	Minimum	56	54	60	57	..	58	63	59	61	58	60	63	60	..	..	..	..	..	..	..	..	..	..	..	57	..	66	64	67	70	..	60.8
Robertsburg§	Maximum	90	91	91	81	77	86	71	85	79	87	92	91	90	90	89	92	89	93	90	91	93	91	88	91	96	92	95	90	92	90	..	88.8
	Minimum	61	61	63	62	49	50	55	62	58	59	65	62	61	50	50	52	60	70	66	61	62	72	69	67	69	70	69	67	65	67	.	61.8
Ryan	Maximum	87	88	89	80	79	85	85	78	84	91	87	83	91	84	85	89	91	90	85	86	88	88	87	90	92	92	91	88	85	87	..	86.8
	Minimum	57	61	59	62	47	45	52	51	60	65	64	66	65	65	51	47	57	66	65	61	57	61	67	67	67	66	66	64	67	65	..	60.4
Ryan	Maximum	87	88	89	80	79	85	85	78	84	91	87	83	91	84	85	89	91	90	85	86	88	88	87	90	92	92	91	88	85	87	..	86.1

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXIX. Parkersburg, W. Va., July, 1921. No. 7.

GENERAL SUMMARY.

July was characterized by warm, sunshiny, and dry weather. With one exception, it was the warmest July of State record and the sunshine received was much above the normal. In fact, for the greater part of the State, the July record for sunshine was broken. The month was nearly continuously warm, the night temperatures being especially high. The rainfall was fairly well distributed, although the conditions were droughty during the week ending on the 29th. As the late winter and early spring months were warm, with also high temperatures in June and July, crops of all kinds were from two to three weeks in advance of the normal at the close of the month. Wheat and oats were harvested, many fields of potatoes marketed, and haying completed. Corn made rapid growth and was generally in good to excellent condition, although somewhat damaged in sections by the dry weather during the last decade. Brisk to high winds during rain squalls also caused some damage to corn.

PRESSURE.

The mean sea-level pressure at Parkersburg and Elkins was 30.03 inches. The highest and lowest readings observed were as follows: Parkersburg, 30.29 inches on the 25th, and 29.80 inches on the 30th. Elkins, 30.29 inches on the 25th, and 29.77 inches on the 30th.

TEMPERATURE.

The monthly mean for the State, determined from 49 stations, was 75.6°. The departure from the normal from 45 stations having ten or more years of record was +2.6°. The temperatures were continuously above the normal during the first fifteen days, on the 18-19th, and from the 25th to the end of the month, with the highest readings occurring generally on the 4th and 8th. The coolest weather prevailed on the 16-17th and from the 20th to the 25th, when the temperatures were practically normal or slightly below.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 79 per cent; 8 p. m., 66 per cent. The July averages for the same hours for the past 33 years are 79 and 67 per cent, respectively. Elkins, 8 a. m., 90 per cent; 8 p. m., 79 per cent. The July averages for Elkins for the same hours for the past 21 years are 87 and 78 per cent, respectively.

PRECIPITATION.

The monthly mean for the State, determined from 69 stations, was 3.58 inches. The departure from the normal for 50 stations having ten or more years of record was —1.17 inches. The rainfall was heaviest over the eastern counties and lightest over the western and northern. Favorable showers occurred daily in most districts from the 8th to the 16th and on the 19-20th and 29-30th, the greatest rainfall being received on the 9th, 15th, 19-20th, and 29-30th.

HAIL.

Light hail fell in sections of Hancock, Mineral, and Randolph counties on the 8th. Moderately heavy hail, causing slight damage to tender vegetation, also fell locally at Piedmont on the 8th. The hail stones were disk-shaped and ranged from one to three inches in circumference.

WIND.

The average wind velocity at Parkersburg was 3.9 miles per hour, or 0.6 mile below the July average for 31 years The average at Elkins was 3.2 miles per hour, or 0.2 mile above the July average for 22 years. The highest velocity at Parkersburg was 26 miles per hour from the northwest on the 8th, and at Elkins 24 miles per hour from the southwest on the 19th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 78 per cent of the possible amount, or 17 per cent above the July average for 24 years. The average at Elkins was 60 per cent, or 6 per cent above the July average for 21 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Burlington, 12th; Cairo, 16th and 27th; Elkins, 2d, 3d, 6th, 7th, 11th, 12th, 14th, 18th, 24th, and 25th; Glenville, 2; Hinton, 4th, 18th, 22d, 23d, 28th, and 31st; Mannington, 1st, 2d, 4th, 5th, 6th, 7th, 11th, 14th, 21st, 22d, 23d, 24th, 26th, and 30th; Marlinton, 1st, 2d, 3d, 4th, 6th, 7th, 13th, 15th, 16th, 17th, 18th, 20th, 21st, 22d, 23d, 24th, 25th, 26th, 27th, 28th, 30th, and 31st; Moundsville, 1st, 2d, 3d, 4th, and 5th; New Cumberland, 2d, 3d, and 7th; Parkersburg, 2d; Rowlesburg, 1st, 5th, 21st, and 22d; Smithfield, 6th and 7th; Terra Alta, 1st, 2d, 7th, 8th, 11th, 14th, and 16th; Weston, 1st, 2d, 7th, 21st, and 22d.

Thunderstorms (dates and number of stations reporting): 1st 3; 5th, 3; 6th, 1; 7th, 3; 8th, 17; 9th, 13; 10th, 4; 11th, 7; 12th, 9; 13th, 11; 14th, 3; 15th, 6; 16th, 2; 18th, 1; 19th, 4; 20th, 2; 21st, 1; 25th, 7; 27th, 2; 28th, 4; 29th, 12; 30th, 4.

COMPARATIVE DATA FOR JULY.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	67.5	......	......	5.59						
1892	73.4	98	41	4.20	......	......	......	......	......	......
1893	73.8	98	42	2.96	5.95	1.37	......	20	10	1
1894	73.3	100	36	2.21	4.84	0.50	......	10	19	2
1895	70.5	99	39	4.35	7.04	1.65	......	11	13	7
1896	73.3	97	46	9.07	15.70	2.91	......	9	12	10
1897	74.2	102	46	5.43	9.92	2.85	......	11	12	8
1898	75.0	103	40	4.46	8.33	1.53	......	12	7	12
1899	73.3	100	33	3.78	7.92	0.20	......	14	10	7
1900	74.7	104	41	4.38	7.88	1.72	......	15	11	5
1901	77.4	104	47	3.16	6.21	0.69	......	14	12	5
1902	74.2	104	45	3.54	8.42	0.96	......	14	12	5
1903	72.5	100	37	3.74	8.30	1.82	......	16	10	5
1904	71.5	97	42	3.28	6.00	1.04	......	14	12	5
1905	73.3	98	43	5.92	10.64	3.00	......	12	11	8
1906	72.4	98	45	4.54	7.40	1.50	......	12	11	8
1907	72.7	98	42	6.66	13.36	1.99	......	12	14	5
1908	74.0	100	41	5.21	9.43	2.08	......	14	13	4
1909	70.2	96	36	4.17	10.50	0.60	......	14	11	6
1910	73.8	98	41	4.92	13.16	0.54	......	13	12	6
1911	73.3	106	40	2.82	6.94	0.40	......	16	12	3
1912	72.0	100	45	7.48	15.22	2.67	......	12	12	7
1913	74.2	103	40	5.80	10.07	2.14	......	15	12	4
1914	73.1	106	38	4.11	7.74	0.98	......	16	10	5
1915	71.9	99	38	4.63	11.31	1.82	......	12	11	8
1916	74.8	102	42	3.49	9.47	1.06	......	16	8	7
1917	72.6	104	44	4.83	8.27	1.25	......	14	10	7
1918	70.3	101	38	3.18	6.90	1.04	......	17	7	7
1919	74.3	104	41	5.51	13.08	1.96	......	18	7	6
1920	70.1	99	40	4.84	8.94	2.34	......	16	8	7
1921	75.6	101	44	3.58	8.90	1.08	......	16	10	~~6~~ 5
Means and extremes	73.0	106	33	4.58	15.70	0.20	......	14	11	6

Climatological Data for July, 1921.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	20	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. C. Foutz.
Brandywine	Pendleton	......	5	73.7	......	95	7	48	23	36	2.85	......	1.00	0	9	21	10	0	sw.	Elmer Keister.
Burlington	Mineral	875	27	75.0	+ 2.4	93	7†	53	17	34	2.47	−1.46	0.79	0	7	15	16	0	w.	J. W. Vandiver.
Harpers Ferry	Jefferson	241	32	......	......	......	......	......	......	......	3.25	−0.32	1.15	0	5	......	......	......	e.	S. W. Lightner.
Martinsburg	Berkeley	435	29	78.6	+ 3.3	97	8	59	23	32	2.24	−1.65	0.86	0	4	18^{a}	10^{a}	2^{a}	s.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	25	77.6	+ 3.2	100	7	52	23	39	3.77	+0.38	1.52	0	13	31	0	0	......	M. S. Henkel.
Piedmont	Mineral	919	8	75.6	......	95	8	54	23	34	5.64	......	1.16	0	13	17	9	5	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	23	76.7	+ 1.8	97	27	53	23	36	8.90	+5.33	2.75	0	9	10	18	3	......	Geo. E. Arnold.
Upper Tract^{c}	Pendleton	1,230	22	73.3	+ 1.3	93	27†	51	24	34	4.38	+0.53	1.53	0	8	21	5	2	w.	J. M. Mallow.
Wardensville ††	Hardy	1,200	3	74.8^{d}	......	94^{a}	28	53^{d}	30	36^{e}	2.20	......	1.90	0	3	10	11	11	se.	Luther F. Sutton.
Averages and	extremes	......	....	75.8	+ 2.4	100	7	48	23	39	4.19	+0.47	2.75	0	8	19	10	2	w.	
Northern Division.																				
Bens Run	Pleasants	622	19	78.6	+ 3.7	97	4†	58	22	32	3.60	−0.95	1.57	0	8	20	10	1	......	J. D. Riggs.
Brueeton Mills	Preston	1,549	1	......	......	......	......	......	......	......	3.76	......	0.86	0	9	3	24	4	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	24	74.0	+ 2.0	91	8	50	22	34	3.83	−1.51	1.00	0	9	24	7	0	......	H. A. Darnall.
Cairo	Ritchie	680	22	76.6	+ 2.4	96	4†	52	17	39	2.10	−2.53	0.75	0	7	18	9	4	......	O. C. Hess.
Cortland	Tucker	3,300	5	......	......	......	......	......	......	......	4.33	......	1.04	0	9	4	25	2	......	G. W. Harmon.
Creston	Wirt	701	19	78.0	+ 3.4	98	7	57	22	37	2.73	−1.29	1.67	0	10	14	9	8	sw.	J. M. Reed.
Davis	Tucker	3,093	12	......	......	......	......	......	......	......	2.43	−3.13	0.50	0	12	21	9	1	w.	Ross C. Male.
Elizabeth	Wirt	646	9	......	......	......	......	......	......	......	2.88	......	1.44	0	8	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	20	72.6	+ 2.1	89	8	52	23	33	4.69	+0.05	1.13	0	17	6	20	5	s.	U. S. Weather Bureau.
Fairmont	Marion	883	15	79.3	+ 5.1	99	8	56	23	39	1.63	−3.10	0.52	0	8	27	0	4	w.	F. P. Hall.
Glenville	Gilmer	738	27	79.2	+ 4.3	100	5	55	22†	40	1.08	−4.21	0.39	0	5	18	13	0	w.	Howard R. Brannon.
Grafton^{a}	Taylor	1,000	28	76.0	+ 3.2	95^{a}	4†	54^{a}	23	37^{b}	2.64	−2.35	0.77	0	9	16	14	0	e.	W. C. Byers.
Lost Creek	Harrison	1,026	23	74.8	+ 2.6	94	8	51	23	38	2.03	−2.75	1.12	0	5	20	9	2	w.	Allen Smith.
Mannington	Marion	974	18	74.4	+ 2.4	91	4†	53	22	32	2.48	−2.49	0.87	0	9	21	6	4	s.	Jas. A. Morgan.
Morgantown^{a}	Monongalia	1,250	28	76.9	+ 8.3	95	8	57	22	33	2.24	−1.96	0.88	0	5	9	10	11	......	Prof. E. L. Andrews.
Moundsville	Marshall	642	18	78.2^{a}	+ 3.8	100^{a}	8	56	22	35^{a}	1.25	−3.12	0.71	0	4	18	13	0	sw.	G. W. Wright.
New Cumberland	Hancock	987	23	77.2	+ 4.4	96	4	56	22	33	5.21	+0.93	3.06	0	10	18	8	5	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	27	78.8	+ 3.5	100	4	58	21†	37	1.85	−2.95	0.50	0	8	24	6	1	w.	Wm. Ankrom.
Parkersburg	Wood	638	34	78.6	+ 3.0	95	8	63	23	27	2.80	−1.86	1.36	0	8	18	8	5	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	21	75.9	+ 5.8	101	8	48	23	43	3.53	−1.59	......	0	11	20	7	4	......	J. W. Swisher.
Philippi	Barbour	1,149	24	75.1	+ 2.7	92	4†	55	23	34	4.09	−0.89	2.17	0	11	16	9	6	w.	Prof. M. B. Pimm.
Pickens	Randolph	2,697	18	71.4^{a}	+ 2.8	91^{a}	5	48^{a}	23	36^{a}	3.76	−2.61	1.15	0	10	19	8	4	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	34	......	......	......	......	......	......	......	4.80	−0.22	1.43	0	7	......	......	......	e.	J. F. Pierce.
Saint Marys	Pleasants	577	12	......	......	......	......	......	......	......	3.90	−0.21	1.33	0	10	......	......	......	sw.	Wm. Hughes.
Smithfield	Wetzel	835	15	71.4	− 0.7	92	8	54	22	28	2.98	−2.41	0.72	0	13	22	6	3	sw.	G. M. Whisler.
Stony River Dam	Grant	......	1	70.4^{a}	......	86^{a}	8	60	13†	18^{a}	8.34	......	1.54	0	14	10	10	11	w.	A. C. Becker.
Terra Alta	Preston	2,612	20	68.4	− 0.7	86	7	45	24	36	3.43	−2.13	1.18	0	10	10	17	4	w.	Dr. C. O. Gorby.
Wellsburg	Brooke	1,225	20	76.8	+ 4.9	96	3†	54	22	39	1.34	−3.26	0.50	0	7	21	8	2	w.	George P. Pfister.
Weston	Lewis	1,026	25	76.2	+ 1.9	92	4†	56	22†	33	3.09	−1.88	1.08	0	9	10	16	5	ne.	Weston State Hospital.
Wheeling	Ohio	645	31	80.0	+ 4.9	100	4	57	21	35	4.64	+1.39	2.33	0	7	18	12	1	sw.	Miss M. B. Forsyth.
Averages and	extremes	......	....	75.8	+ 3.3	101	8	45	24	43	3.25	−1.81	3.06	0	9	16	11	4	w.	
Southern Division.																				
Bancroft	Putnam	574	17	76.4	+ 1.3	93	4†	58	24	30	3.00	−1.08	1.09	0	7	17	5	9	se.	E. H. Morrow.
Beckley^{a}	Raleigh	2,440	21	70.6	− 0.7	84	3†	55	23	20	6.55	+2.28	1.45	0	16	8	13	9	sw.	John H. Ewart.
Bluefield	Mercer	2,558	26	73.3	+ 1.7	90	4	54	23	30	3.54	−1.01	0.78	0	21	3	23	5	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	6	......	......	......	......	......	......	......	3.92	......	1.00	0	6	19	0	12	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	18	79.4	+ 2.9	97	4†	60	22†	30	3.65	−0.47	1.10	0	7	13	3	15	w.	C. V. Lewis.
Clay	Clay	706	5	......	......	......	......	......	......	......	4.92	......	1.14	0	10	......	......	......	......	Mark King.
Cuba	Jackson	650	19	76.0	+ 2.7	94	28	56	25	33	2.15	−1.88	1.10	0	6	12	17	2	w.	Miss Faytne Howard.
Dam 19 O. R.	Wood	557	5	......	......	......	......	......	......	......	1.72	......	0.65	0	9	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	5	......	......	......	......	......	......	......	2.32	......	1.45	0	5	......	......	......	......	Lockmaster.
Dam 22 O. R.	Jackson	538	6	......	......	......	......	......	......	......	2.66	......	0.90	0	7	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	5	......	......	......	......	......	......	......	3.16	......	1.38	0	7	......	......	......	......	U. S. Engineer Office.
Evans	Jackson	606	9	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	B. F. Sayre.
Gary	McDowell	1,426	5	75.4^{a}	......	92^{a}	3	53^{a}	23	33^{a}	3.02	......	0.79	0	15	12^{c}	0^{c}	16^{c}	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	25	74.3	+ 1.8	94	3†	49	22	37	1.62	−2.21	0.65	0	7	13	7	11	w.	W. H. Gwinn.
Hinton	do	1,450	24	75.0	+ 0.8	91	4†	55	23†	32	4.04	+0.09	1.14	0	14	6	2	23	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	27	78.5	+ 1.8	94	4†	61	22†	27	3.98	−0.23	1.08	0	7	21	4	6	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	2	......	......	......	......	......	......	......	5.31	......	1.68	0	10	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	5	......	......	......	......	......	......	......	4.57	......	1.53	0	8	......	......	......	......	Cabin Creek Con. Coal Co
Lewisburg	Greenbrier	2,200	21	73.1	+ 2.0	92	5	49	23	33	3.61	−0.35	1.20	0	11	18	9	4	nw.	Geo. T. Argabate.
Logan	Logan	687	18	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	C. & O. R. R.
Marlinton	Pocahontas	2,131	22	69.2	+ 0.6	88	4†	44	23	34	3.09	−2.24	1.21	0	12	0	31	0	sw.	S. L. Brown.
Miller	Fayette	......	1	......	......	......	......	......	......	......	4.88	......	1.52	0	12	......	......	......	......	J. R. Bays.
Point Pleasant	Mason	553	25	......	......	98	7†	......	......	......	2.24	−1.86	0.60	0	7	26	0	5	......	W. D. Holmes.
Powellton	Fayette	933	25	78.8^{j}	+ 4.5	98^{j}	8	58^{j}	23	34^{h}	3.95	−0.61	0.90	0	7	11^{k}	0^{k}	9^{k}	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	5	......	......	......	......	......	......	......	5.15	......	1.24	0	15	......	......	......	......	Raleigh Coal & Coke Co.
Renick	Greenbrier	1,653	5	......	......	......	......	......	......	......	4.08	......	1.12	0	7	......	......	......	......	Wm. B. Hill.
Robertsburg	Putnam	574	21	79.2	+ 3.7	100	4	57	22†	37	2.32	−1.44	0.59	0	6	13	9	9	......	E. C. Brace, Jr.
Ryan	Roane	700	18	76.0	+ 2.7	94	8	53	23	36	3.21	−1.35	0.92	0	9	18	6	7	......	Wm. E. Ryan.
Sharples	Logan	......	1	......	......	......	......	......	......	......	6.79	......	1.80	0	10	......	......	......	......	C. E. Rippetoe.
Spencer	Roane	784	17	76.1	+ 2.5	74	8	54	31	35	2.83	−1.46	0.75	0	8	4	27	0	......	A. M. McKown.
Sutton	Braxton	839	15	75.0	− 1.3	96	2†	50	21	36	3.94	−1.23	2.00	0	9	21^{a}	6^{a}	3^{a}	......	C. B. Eakle.
Union	Monroe	2,250	17	71.2	+ 0.1	92	8	49	23	31	3.78	−0.85	2.00	0	7	......	......	......	......	Edward H. Shanklin.
White Sulphur Springs	Greenbrier	1,940	11	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. M. Ayres.
Williamson	Mingo	660	21	76.4	+ 0.7	92	4	61	23†	26	5.85	+1.51	1.76	0	11	21	7	3	w.	J. F. Keyser.
Averages and	extremes	......	....	75.2	+ 1.6	100	4	44	23	37	3.74	−0.80	2.00	0	9	14	9	8	w.	
State averages and	extremes	......	....	75.6	+ 2.6	101	8	44	23	43	3.58	−1.17	3.06	0	9	16	10	5	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for July, 1921.

Stations.	Drainage-basin.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac																																
Brandywine	do	.35							.10	.05	.55	.10	.15	.05	T.	.50										1.00		T					2.85
Burlington	do								.55	.25		.57		.16		.10				.05						T.		T		.79			2.17
Harpers Ferry |||	do											.35	1.15	1.10			.30														.35		3.25
Martinsburg	do									T.		T.	.86			.51				T.						.37				.50			2.24
Moorefield	do	.01	.11						.41		1.52	.12	.20	.18	.42	.03	.10			.22										.40	.05		3.77
Piedmont	do	.60							.63	1.16	1.09	.16		.09	.04	.04	.04			.07							.77			.33	.62		5.64
Romney	do			2.50					.41	1.50		2.75		T.	.01	.20				.10								.20		1.20			8.90
Upper Tract	do								.30	.60	.30	1.53	.45	.20	.70		.30		T.	T.													4.28
Wardensville |||	do		.10									1.90			T.												T.			T.	.20	T	2.20
Northern Division.																																	
Bens Run	Ohio								.12	.20		.05		1.57		.40				.20										.93	.13		3.60
Bruceton Mills |||	Monongahela	T	T.					.10	.54	.18		T.	.06	T.		.44				.80	.10					T.				.68	.86		3.76
Buckhannon	do	1.00								.40		.24	.06	.20	T.	T.				.56	.70								T.	.42	.25		3.83
Cairo									.30	.75		.01				.06				.16							.38			.44			2.10
Cortland |||	Monongahela	.13							.51			.98	*	.18	*	.68				1.04										.81			4.33
Creston |||	Little Kanawha	.15								.64	1.03	.10		.04	.16		.04				.20							T.			.35	.02	2.73
Davis |||	Monongahela		.24				.10			.41	.16		.14	.12	.08	.05	.29				.50							T.	T.	.09	.25		2.43
Elizabeth |||	Little Kanawha	.28								1.44	.27	.05		.03	.04	.05															.72		2.88
Elkins ***	Monongahela	.68							.91	.07		.15	.24	.43	.13	.01	.01			1.11	.02				.14		.02	.01	.22	.53	.01		4.69
Fairmont |||	do	.52	T.							.03			.05	T.	.01		.06				.26	.02						T.		.40	.28	T.	1.63
Glenville |||	Little Kanawha									.16	.18		.23		.12		T.				T.										.39		1.08
Grafton |||	Monongahela		.13					T.		.77	.04		.54	*	.02		T.				.72	.02									.40		2.64
Lost Creek	do.	.24							T.	.18			.15	T.		T.				1.12	T.									.34	T		2.03
Mannington	do									.29			.04	.01		.23				.45	.51						T.		.01	.87	.07		2.48
Morgantown	do									.31				.20	T.					.52							T			.88	.33		2.24
Moundsville |||	Ohio									.19											.71									.03	.32		1.25
New Cumberland |||	do									3.06	.04	.65		.03	.19		.18				.36							.01	T.	.14	.55		5.21
New Martinsville	do								.25	.15			.20	.50		.40				.20						.10				.05			1.85
Parkersburg ***	Ohio								.12	1.24	.61	.08	T.	.05		.18				.29									T.	.23			2.80
Parsons	Monongahela	.68							*	*		*	*	*	*	2.40				*					*	.45							3.53
Philippi	do	.04								.29		.06	2.17	.02	.13	.43	.05			.37	.46								T.	.07			4.09
Pickens	do.							1.15	.46	.64			.15	.16	.21	.29					.17									.25	.28		3.76
Rowlesburg |||	do									1.00				.32	.95		.32				.78										1.35	.05	4.80
Saint Marys |||	Ohio									.30	.08	.05		.05	.70	.08	.08				.15									1.33	1.05		3.90
Smithfield |||	Fishing Creek	.14					.18			.37	.10		.15	.02	.16	.02					.45						.54	.13		.42	.30		2.98
Stony River Dam |||	Monongahela		.46				.15			1.42	.50		.91	.58	.33	1.54	.28			.20	.89						.58	.05			.45		8.34
Terra Alta	do								.23	.45			.01	.14	.09	.06	.77			.34						T.				.16	1.18		3.43
Wellsburg	Ohio	.05							T.			.13				.17			.40	.10									.09	.40			1.34
Weston	Monongahela									.39		T.	.35	.09		.39				.54	.15							.10	T.	.35	.73		3.09
Wheeling |||	Ohio	T.								2.33	.20	T.	T.	T.	T.		.15				.75						T.		.01	.55	.65		4.64
Southern Division.																																	
Bancroft |||	Great Kanawha									.74	.04			.14			.59				1.09									.05	.35		3.00
Beckley	do					.50			.98	.40	.31		.46	.50		.20	.15		.20	.30		.30	.15		.10	.35				.20	1.45		6.55
Bluefield	do	.16				.09	T.		.12	.49	.12	.20	.23	.12	.26	.02	.04			.08	.10	.11				.11	.12	.29	.09	.08	.78	.02	3.54
Camden-on-Gauley |||	do					1.00			.20			.10		.80													.82			1.00			3.92
Charleston |||	do									.20	.50						.70				.70	.35					.10				1.10		3.65
Clay |||	do						.95			.94	.20		.07	.13			.23				.08	.42						.88			1.02		4.92
Cuba	Sand Creek									1.10	T.	.20	.10	.05		.65				T.	T.								T.	.05			2.15
Dam 19 O. R. |||	Ohio	T.								.65	.18	.08	.02		.02		.10				.22						T.	T.		.01	.44		1.72
Dam 20 O. R. |||	do									1.45		.15		.02							.20							T.		T.	.50		2.32
Dam 22 O. R. |||	do									.90	.15	.34			.15		.42				.15	.55											2.66
Dam 26 O. R. |||	do									.70		.20		.16	1.38	.48					.09									.15			3.16
Evans	Ohio																																
Gary |||	Big Sandy	.03	.04							.07	.09		.79	.03	.06	.65	.14			.06	.13						.27	.07	.03		.56		3.02
Green Sulpr. Spgs.	do	T.					.11			.65	T.			.14	.16	.11		.30	.15									T.	T				1.62
Hinton |||	do	.04				.06	1.14		.10	.42	.02			T.	.08	.16	.04				.20	.16						.78	.14		.70		4.04
Huntington |||	Ohio									.60	.48	.04		.90			.98				.42						T.				.56		3.98
Kanawha Falls |||	Great Kanawha									.10	.98		.20		.15		.25				.50	.55					1.68			.15	.75		5.31
Kayford |||	do									.23	.32			.83	.11		.36				.37						.82	T.			1.53		4.57
Lewisburg	do								1.20	.31			.08	.12	.08	.62	T.			.29	.26						T.		.09	.17	.39		3.61
Logan	Guyandotte																																
Marlinton	Great Kanawha					.08			.28	.34	T.	.81	.40		.10			.02		.10	.06					.08	.30		T.	.52			3.09
Miller |||	Meadow Creek				.70		.26			.30	1.52	.20	.02				.30		.01		.47					.04	.40				.66		4.88
Point Pleasant |||	Ohio									.52	.30	.60	T.	.02		T.	.20			T.	.30										.30		2.24
Powellton	Great Kanawha	.30														.50					.80					.90		.30		.50	.65		3.95
Raleigh |||	do						.49		.02	1.24	.08		.25	.42	.02		.12				.73	.27				.04	.04	.15			.37	.88	5.15
Renick |||	do									.20	.70		1.12				.40	.50								.25					.88		4.08
Robertsburg |||	do									.40				.15		.56	.44				.18										.59		2.32
Ryan	do.								.92	.36		.10	.50	.08	.05	.04				.40										.76			3.21
Sharples |||	Coal River									.65	.60		.15	.60			.10				1.80						.72	1.02			1.05	.10	6.79
Spencer |||	Little Kanawha	.20								.75	.07	.10			.45		.55				.30									.41			2.83
Sutton	Great Kanawha									.78		.10		2.00		.12				.10	.10	.10								.52	.12		3.94
Union	do						.10		2.00						.10			.15									.05			.35	1.00		3.75
White Sulphur Spgs.	do								1.00	1.00			.50	.01	.05	.45	.05			.08	.12							.13	.10	.10	.40		4.09
Williamson |||	Big Sandy						.15			.45	.22		.15	.27			.80				.31	.42				.18	1.14				1.76		5.85

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for July, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Brandywine	Maximum	90	86	91	91	92	90	95	93	90	86	87	85	85	84	88	84	82	85	84	86	82	80	84	86	88	90	92	91	90	91	90	87.7
	Minimum	61	60	64	58	60	63	59	62	64	63	64	64	67	64	62	63	56	55	60	63	54	51	48	50	55	60	59	62	65	60	55	59.7
Burlington	Maximum	83	85	89	90	91	85	93	90	89	86	88	82	83	86	82	82	83	88	85	85	84	83	87	87	91	89	92	93	84	88	88	86.8
	Minimum	68	66	60	61	65	69	66	67	67	66	67	67	64	67	68	62	53	57	65	67	57	55	57	54	57	61	61	64	72	65	63	63.2
Martinsburg§	Maximum	83	87	91	94	95	82	93	97	90	90	87	82	88	90	85	85	88	90	89	89	87	87	89	91	96	92	96	96	88	90	91	89.6
	Minimum	68	69	67	69	69	73	68	71	71	72	71	69	70	70	73	64	60	63	64	70	66	67	59	60	64	65	68	68	74	65	66	67.5
Moorfield	Maximum	88	90	95	95	96	94	100	99	92	92	83	83	84	88	90	85	87	91	89	90	85	86	89	92	94	95	98	97	90	94	93	91.1
	Minimum	72	63	59	78	62	64	63	67	73	73	62	63	62	63	64	61	56	57	65	64	54	59	52	53	76	58	71	61	78	77	59	64.2
Piedmont	Maximum	84	88	91	93	93	87	94	95	89	89	89	84	84	86	80	83	85	90	87	85	85	83	87	89	91	90	92	91	85	88	85	87.8
	Minimum	65	65	63	63	66	73	70	67	64	67	66	65	67	66	67	62	55	59	64	67	58	56	54	55	58	63	63	64	70	63	63	63.5
Romney	Maximum	87	89	93	94	94	92	96	95	89	91	91	84	87	90	86	85	87	93	89	88	88	86	89	91	93	95	97	94	94	91	90	90.6
	Minimum	62	66	60	62	66	68	68	67	66	65	66	67	63	65	69	61	55	57	68	56	57	56	53	55	58	61	63	68	72	64	63	62.8
Upper Tract	Maximum	..	..	90	90	90	90	92	90	86	86	88	81	84	80	83	85	81	..	83	83	81	80	84	84	83	89	93	93	91	89	87	86.3
	Minimum	..	..	59	60	61	61	61	65	65	63	61	66	62	62	62	62	56	..	59	64	63	55	52	51	60	58	59	60	60	60	61	60.3
Northern Division.																																	
Bens Run	Maximum	91	93	96	97	96	93	95	97	87	87	88	91	86	90	81	87	91	92	85	86	85	89	91	92	91	93	95	93	86	92	88	90.5
	Minimum	67	64	64	68	70	70	71	71	68	68	67	66	67	68	70	64	61	65	70	68	60	58	61	65	65	66	67	75	70	68	70	66.8
Buckhannon	Maximum	84	84	88	89	90	88	89	91	87	80	84	84	84	86	79	82	84	88	83	81	78	81	82	85	86	86	89	89	81	83	85	84.8
	Minimum	67	61	64	65	65	65	65	64	67	66	61	65	66	64	67	64	61	60	67	68	57	50	53	51	63	64	62	68	71	63	64	63.3
Cairo	Maximum	91	92	94	96	95	91	93	96	87	87	88	88	88	90	81	88	91	92	89	86	86	90	88	89	91	94	94	95	87	89	89	90.2
	Minimum	65	60	62	62	65	67	67	68	62	66	64	65	65	66	65	62	52	59	66	65	56	54	63	64	54	64	62	66	69	65	63	63.0
Creston	Maximum	89	94	97	95	93	93	98	95	87	89	88	90	85	91	82	87	92	95	92	89	84	90	90	95	87	96	96	97	88	90	89	91.1
	Minimum	67	63	64	65	68	67	68	71	67	67	65	65	67	67	67	64	60	61	69	69	58	57	59	58	62	65	63	67	70	68	65	64.9
Elkins	Maximum	80	84	88	88	89	88	89	89	85	81	83	83	81	82	77	81	82	87	82	79	78	79	83	86	85	86	87	86	80	84	83	83.7
	Minimum	65	61	61	61	62	63	63	66	65	65	63	63	64	62	66	59	55	58	65	62	56	55	52	53	59	61	60	65	66	65	61	61.4
Fairmont§	Maximum	90	93	97	98	98	96	97	99	92	95	95	92	93	94	85	94	95	97	86	87	87	91	94	96	94	94	96	95	83	93	90	93.1
	Minimum	67	63	63	65	69	69	69	71	69	68	67	67	68	65	74	64	61	62	68	65	59	57	56	57	61	66	66	71	70	67	66	65.5
Glenville	Maximum	92	95	98	99	100	97	98	99	93	86	90	92	92	94	92	93	94	97	95	90	90	94	95	95	95	99	97	97	96	92	93	94.5
	Minimum	69	65	64	66	69	64	67	68	67	64	66	64	66	67	65	65	60	60	66	68	56	55	55	55	58	62	62	65	70	67	63	63.8
Grafton	Maximum	88	89	93	95	93	92	92	95	84	81	91	86	86	..	93	85	91	94	81	83	83	87	84	93	93	95	95	84	84	92	88	89.1
	Minimum	66	64	62	62	56	67	67	69	68	64	65	66	65	64	..	61	55	60	60	65	57	55	54	56	60	65	63	67	69	67	64	62.8
Lost Creek	Maximum	86	85	90	92	93	92	93	91	86	84	88	86	87	89	81	86	90	92	86	82	84	85	88	90	90	93	91	92	81	89	85	88.1
	Minimum	67	65	60	62	61	64	63	67	67	63	64	64	64	62	67	58	55	57	67	62	54	52	51	52	57	58	61	70	68	64	65	61.6
Mannington	Maximum	85	86	89	91	91	89	90	91	85	83	85	87	85	87	85	84	85	89	87	81	81	83	85	87	87	88	91	90	87	85	85	86.6
	Minimum	64	58	59	61	64	66	67	67	68	65	65	65	65	64	66	60	55	57	64	65	55	53	54	55	57	63	62	67	67	65	63	62.1
Morgantown	Maximum	85	86	90	92	91	91	93	95	85	85	89	85	87	90	88	86	..	92	83	83	81	84	87	90	90	92	92	92	85	88	88	88.2
	Minimum	66	62	64	65	67	71	71	71	68	66	67	65	65	66	66	62	..	59	70	66	60	57	60	62	65	66	66	73	68	66	69	65.6
New Cumberland	Maximum	89	92	94	96	95	94	93	95	82	89	90	88	88	93	87	89	88	92	80	81	84	89	89	89	91	90	91	92	81	90	81	89.1
	Minimum	65	63	72	65	67	69	70	69	67	73	64	64	67	63	69	59	63	60	69	64	59	56	60	59	61	67	65	72	71	67	69	65.4
New Martinsville	Maximum	90	96	94	100	98	93	96	95	86	90	91	90	88	94	89	88	92	94	93	88	85	90	90	95	91	95	97	95	90	95	91	92.2
	Minimum	67	64	62	68	69	70	72	69	69	69	67	66	67	67	69	65	60	62	68	66	58	58	58	58	62	65	65	70	71	65	66	65.5
Parkersburg	Maximum	88	90	91	95	94	92	93	95	87	86	85	87	88	90	81	85	89	90	87	83	82	88	88	89	89	92	94	93	87	91	86	88.9
	Minimum	70	67	67	68	72	72	72	71	68	67	67	67	69	71	71	66	65	67	71	69	63	61	63	64	68	68	68	77	72	70	66	68.4
Parsons	Maximum	92	90	96	96	96	93	9[illegible]	101	90	89	95	95	92	91	80	95	90	95	89	91	88	90	89	90	93	93	95	96	90	93	92	92.2
	Minimum	65	60	60	61	60	62	65	70	65	63	62	62	60	62	62	62	50	57	50	63	60	60	48	50	60	59	62	61	66	50	51	59.6
Philippi	Maximum	85	89	89	92	92	89	92	92	86	81	85	84	85	88	78	83	87	90	88	83	80	83	86	90	89	92	89	89	88	87	85	87.0
	Minimum	65	60	63	63	65	66	65	69	66	64	61	64	65	63	66	60	56	63	70	65	56	57	55	56	62	64	63	63	69	67	66	63.2
Pickens	Maximum	81	..	86	87	91	87	89	89	85	83	85	85	86	83	80	83	85	85	85	80	78	83	84	84	84	86	87	87	80	85	83	84.5
	Minimum	61	..	57	60	60	60	60	61	60	58	59	56	62	59	60	60	56	55	60	60	50	55	48	52	57	56	57	63	65	60	58	58.2
Terra Alta	Maximum	77	81	82	81	83	81	86	85	76	73	81	79	79	82	78	71	78	80	80	76	78	72	79	81	80	81	84	82	82	79	79	79.5
	Minimum	60	58	53	57	59	66	61	62	62	63	57	61	63	57	65	55	47	50	50	53	49	48	46	45	53	63	57	65	65	63	62	57.3
Wellsburg	Maximum	91	92	96	96	95	93	95	96	86	90	88	85	91	93	86	93	95	89	84	84	86	89	91	93	93	91	95	93	85	89	85	90.6
	Minimum	64	66	59	64	65	67	69	66	66	70	65	61	65	67	70	55	58	65	56	58	55	54	58	54	59	64	63	69	70	65	65	63.0
Weston	Maximum	88	88	90	92	92	90	91	92	86	81	87	86	86	88	79	85	88	90	85	85	82	84	87	89	89	91	92	92	82	87	88	87.5
	Minimum	68	64	61	65	66	66	66	69	68	66	66	65	66	67	69	64	60	61	71	68	58	56	56	56	61	65	64	72	71	67	67	64.9
Wheeling§	Maximum	95	96	99	100	98	96	97	99	87	90	94	92	91	97	88	94	94	98	83	87	89	92	95	96	97	97	98	95	82	92	89	93.5
	Minimum	60	62	70	68	67	70	72	70	67	69	64	64	68	69	71	74	60	63	69	65	57	58	62	67	64	67	66	72	70	67	68	66.5
Southern Division.																																	
Bluefield	Maximum	84	88	87	90	87	86	88	89	84	82	79	81	79	82	82	83	83	85	82	78	80	80	78	84	79	86	87	86	86	87	85	83.8
	Minimum	64	64	63	60	63	67	66	64	64	64	63	62	62	65	65	62	63	64	66	66	57	55	54	62	64	61	60	62	65	65	65	62.8
Charleston	Maximum	96	92	95	97	97	94	97	96	92	91	92	90	85	93	81	91	90	95	89	87	89	89	89	91	90	95	95	92	90	91	92	91.5
	Minimum	65	66	70	72	70	66	70	71	70	72	67	69	68	66	69	70	69	65	72	67	61	60	61	65	60	67	67	70	68	69	65	67.3
Gary§	Maximum	86	89	92	91	..	87	91	90	86	86	87	85	85	86	86	87	85	89	85	86	84	85	86	84	81	89	91	91	89	90	88	87.2
	Minimum	64	65	61	65	65	..	65	66	61	65	66	64	64	64	65	67	63	61	60	71	63	59	53	56	62	65	63	64	66	67	66	63.5
Green Sulphur Spgs.	Maximum	88	90	94	92	92	85	91	92	91	85	87	85	83	87	88	88	82	88	86	85	84	85	88	87	88	86	92	94	93	92	93	88.5
	Minimum	64	63	59	65	63	63	65	64	63	66	62	62	67	62	64	63	58	58	66	59	54	49	52	50	52	51	60	61	60	58	60	60.1
Hinton§	Maximum	86	87	90	91	90	84	89	90	85	85	87	84	82	84	81	85	82	89	85	85	82	82	81	87	84	87	87	91	88	88	88	86.0
	Minimum	67	66	64	64	68	65	65	67	66	65	66	65	65	66	66	67	65	61	63	66	62	60	55	55	59	63	64	64	66	66	67	64.1
Huntington§	Maximum	90	90	92	94	94	91	93	93	90	85	86	86	83	90	84	84	87	90	88	86	82	86	86	88	87	90	91	93	85	88	90	88.5
	Minimum	70	68	67	69	70	72	71	72	70	69	70	68	68	70	70	68	65	65	72	70	64	61	62	61	67	67	68	74	74	79	71	68.5
Lewisburg	Maximum	84	86	91	91	92	85	91	90	87	85	85	86	81	83	82	86	87	84	84	83	82	81	82	84	82	85	89	86	88	85	84	85.5
	Minimum	61	60	61	62	61	62	64	62	63	61	65	61	65	65	61	60	59	57	62	67	54	56	49	53	61	58	60	59	65	65	63	60.7
Marlinton	Maximum	86	82	86	88	86	84	86	88	84	80	82	80	84	80	78	82	84	82	78	74	76	76	78	78	74	78	82	84	82	84	78	81.4
	Minimum	58	62	64	58	54	56	60	62	60	58	58	60	62	58	56	62	62	58	54	54	54	50	44	48	56	56	58	58	52	60	58	57.1
Point Pleasant	Maximum	93	91	94	96	96	95	98	98	91	89	89	91	90	84	84	88	90	94	94	92	90	90	95	92	88	97	94	93	92	92	90	91.9
	Minimum	69	70	62	65	67	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	75	74	....
Powellton	Maximum	90	93	..	..	95	93	..	98	..	..	93	92	88	92	89	89	..	94	89	88	..	90	..	..	90	92	93	91	92	91	..	91.5
	Minimum	66	68	..	..	61	64	..	66	..	..	71	68	65	65	67	70	..	63	67	70	..	60	58	..	..	64	63	65	75	72	..	66.2
Robertsburg§	Maximum	91	97	98	100	98	93	97	95	89	90	90	94	89	93	93	90	92	95	90	87	87	93	93	94	85	95	98	97	87	93	90	92.7
	Minimum	67	65	66	65	67	66	76	79	68	67	66	65	67	66	66	65	60	61	70	71	59	57	58	57	61	65	64	70	70	66	67	65.7
Ryan	Maximum	88	90	90	93	93	91	90	94	89	85	88	89	85	88	89	87	86	91	89	89	87	87	87	90	84	91	92	93	84	89	92	89.0
	Minimum	65	62	60	64	65	63	65	67	67	61	63	65	65	64	64	63	58	62	66	68	57	55	53	54	60	63	66	66	67	68	63	63.0
Spencer§	Maximum	87	91	89	91	91	92	90	94	87	82	85	87	85	89	84	84	90	90	85	85	81	86	89	88	84	90	91	91	85	89	89	87.8
	Minimum	67	64	67	67	68	65	67	70	60	67	66	66	66	67	66	64	60	61	71	71	57	57	58	55	57	66	68	72	59	70	54	64.4
Union	Maximum	82	86	85	86	86	83	91	92	81	81	80	81	77	76	80	80	79	81	80	80	81	80	78	80	82	81	85	85	86	83	84	82.3
	Minimum	62	63	61	60	61	59	63	61	60	61	62	61	65	61	62	64	61	58	63	67	58	55	49	51	54	58	59	60	62	65	60	60.2
White Sulphur Spgs.	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Williamson§	Maximum	84	88	90	92	91	89	90	91	85	85	84	85	80	86	82	81	85	87	84	82	80	81	85	85	75	84	88	89	85	86	87	85.2
	Minimum	70	70	67	66	69	70	69	70	70	68	69	69	68	67	68	68	62	67	69	71	65	65	61	61	68	68	66	68	71	69	69	67.7

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXIX. Parkersburg, W. Va., August, 1921. No. 8.

GENERAL SUMMARY.

August was considerably cooler and wetter than usual and free from high temperature periods. The month closed warm, however. In a few of the more elevated localities the temperature was near the frost line on two or three mornings. The rainfall was unfavorably distributed. About one-half of the month's precipitation was received on the 2-3d, while the conditions were droughty during the last decade, causing slight injury to corn and pastures The weather was generally favorable for haying, harvesting, and thrashing. At the close of the month corn was in good condition and ripening rapidly, haying nearly completed, and thrashing well advanced.

PRESSURE.

The mean sea-level pressure at Parkersburg and Elkins was 30.10 inches. The highest and lowest readings observed were as follows: Parkersburg, 30.31 inches on the 15th, and 29.80 inches on the 17th. Elkins, 30.29 inches on the 28th, and 29.76 inches on the 17th.

TEMPERATURE.

The monthly mean for the State, determined from 48 stations, was 69.7°. The departure from the normal from 43 stations having ten or more years of record was —2.0°. The temperature was generally slightly above the normal on the 2d, 11-13th, 17-18th, and 25-26th, and considerably above during the last three days, with the highest readings occurring generally on the 30th. Cool weather prevailed from the 3d to the 11th, 14th to the 16th, and 21st to the 24th, with the lowest temperatures occurring generally on the 15th and 22d. The morning temperatures were also considerably below normal on the 27th and 28th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 80 per cent; 8 p. m., 68 per cent. The August averages for the same hours for the past 33 years are 81 and 72 per cent, respectively. Elkins, 8 a. m., 89 per cent; 8 p. m., 79 per cent. The August averages for Elkins for the same hours for the past 21 years are 90 and 81 per cent, respectively.

PRECIPITATION.

The monthly mean for the State, determined from 65 stations, was 5.20 inches. The departure from the normal for 47 stations having ten or more years of record was +1.39 inches. Most of the rainfall was received on the 2-3d, 6-7th 12th, 14th, 17th, and 21st, the amounts on the 2-3d being generally heavy to excessive. Light showers also occurred in many localities on the 4th, 6th, 13th, 18-19th, 25-26th, and 31st. The rainfall was heaviest over the central counties and lightest over the southeastern and west-central districts.

HAIL.

Light hail fell in sections of Preston County on the 2d and Webster County on the 17th.

WIND.

The average wind velocity at Parkersburg was 4.2 miles per hour, or normal as compared with the August average for 31 years. The average at Elkins was 3.8 miles per hour, or 1.0 mile above the August average for 22 years. The highest velocity at Parkersburg was 22 miles per hour from the northwest on the 2d, and at Elkins 23 miles per hour from the northwest on the 2d.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 73 per cent of the possible amount, or 17 per cent above the August average for 24 years. The average at Elkins was 53 per cent, or 2 per cent below the August average for 22 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bluefield, 9th, and 19th; Cairo, 1st, 4th, 8th, 9th, 13th, and 19th; Elkins, 1st, 10th, 15th, 19th, 22d, 24th, and 28th; Hinton, 19th, 25th, 27th, and 30th; Mannington, 1st, 4th, 8th, 15th, 19th, 22d, 24th, and 28th; Marlinton, 1st, 4th, 9th, 10th, 15th, 18th, 19th, 22d, and 24th to 30th, inclusive; New Cumberland, 24th; Parkersburg, 4th; Pickens, 3d; Robertsburg, 4th; Smithfield, 25th, 26th, 27th, and 28th; Terra Alta, 3d, 4th, 24th, 28th, and 29th; Weston, 4th, 9th, 15th, 19th, 22d, 24th, and 28th; Wheeling, 4th, 9th, 11th, 19th, and 24th,

Halo, solar: Terra Alta, 20th.

Thunderstorms (dates and number of stations reporting): 1st, 1; 2d, 15; 3d, 11; 5th, 1; 6th, 7; 7th, 8; 8th, 1; 11th, 3; 12th, 3; 13th, 3; 14th, 2; 16th, 1; 17th, 12; 18th, 2; 20th, 6; 24th, 1; 25th, 2; 26th, 1; 29th, 1; 31st, 9.

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	69.8	......	......	5.48						
1892	72.1	95	41	2.55	......	......	......	......	......	......
1893	70.8	98	41	3.38	......	......	......	......	......	......
1894	71.5	103	38	2.07	5.15	0.27	......	14	12	5
1895	73.3	104	40	3.01	7.69	1.15	......	15	11	5
1896	72.6	97	40	2.82	5.69	0.88	......	15	12	4
1897	70.9	109	42	2.91	5.93	0.77	......	13	14	4
1898	73.7	96	44	7.51	11.57	4.40	......	12	12	7
1899	73.5	100	34	2.64	6.37	0.34	......	15	11	5
1900	76.0	100	45	3.15	7.20	1.03	......	17	10	4
1901	73.6	98	43	5.14	13 70	1.64	......	10	13	8
1902	70.4	98	35	2.40	6.05	0.97	......	15	13	3
1903	71.4	105	38	2.64	5.85	0.99	......	12	13	6
1904	70.7	95	32	2.88	6.71	0.67	......	15	10	6
1905	71.3	96	40	4.25	8.32	1.32	......	14	11	6
1906	75.4	98	47	5.15	10.72	2.18	......	10	13	8
1907	69.4	93	41	4.64	10 12	1.55	......	13	10	8
1908	70.9	101	37	2.82	5.63	0.84	......	15	10	6
1909	70.8	99	37	3.03	5.79	0.81	......	16	10	5
1910	70.8	98	39	2.03	5.58	0.70	......	17	10	4
1911	73.5	105	40	6.71	12.14	2.38	......	13	10	8
1912	69.3	95	35	3.64	11.70	0.25	......	10	13	8
1913	72.7	102	37	3.18	8.20	0.79	......	19	7	5
1914	71.8	100	40	4.86	9.29	1.38	......	15	9	7
1915	69.4	99	36	4.84	8 36	2.46	......	10	11	10
1916	72.9	104	40	4.76	15.35	1.46	......	14	9	8
1917	71.6	102	39	3.53	8.80	0.94	......	17	8	6
1918	76.0	110	43	3.96	9.15	0.63	......	17	8	6
1919	70.2	100	40	4.54	8.67	0.95	......	16	9	6
1920	71.1	95	42	4.27	9.28	1.69	......	9	10	12
1921	69.7	98	37	5.20	9.46	2.13	......	16	8	7
Means and extremes	71.8	110	32	3.87	15.35	0.25	......	14	11	6

Climatological Data for August, 1921.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	20	64.6	-1.4	88	24	37	28	46	....	....	....	....	....	13	3	5	w.	U. G. Clark.
Brandywine	Pendleton	....	5	68.0	....	91	20	41	27†	47	2.50	....	0.85	0	7	22[a]	3[a]	5[a]	n.	Elmer Keister.
Burlington	Mineral	875	27	70.0	-1.2	89	30	47	16	32	3.96	+0.16	1.70	0	7	12	18	1	nw.	J. W. Vandiver.
Harpers Ferry	Jefferson	241	32	....	....	....	....	....	....	....	5.46	+1.64	0.98	0	10	....	....	....	se.	S. W. Lightner.
Martinsburg	Berkeley	435	29	70.7	-2.3	94	30	50	26	34	7.59	+3.69	....	0	8	21	2	8	e.	G. W. Van Metre, C. E.
Moorefield[b]	Hardy	900	25	72.6	-0.7	97	29	45	27	39	....	....	....	0	....	26	0	3	....	M. S. Henkel.
Piedmont	Mineral	919	8	68.2[a]	....	89	30	46	16	35[c]	4.78	....	1.84	0	....	9[c]	3[c]	4[c]	....	C. A. Suter, Jr.
Romney	Hampshire	824	23	69.6	-3.3	93	30	44	23	39	4.34	+0.38	1.45	0	5	15	11	5	....	Geo. E. Arnold.
Upper Tract	Pendleton	1,230	22	68.4	-2.6	90	1†	41	27	42	2.13	-1.62	1.45	0	4	22	2	7	w.	J. M. Mallow.
Wardensville[b]	Hardy	1,200	3	68.6	....	94	3	40	28	44	....	....	....	0	....	13	10	6	e.	Luther F. Sutton.
Averages and	extremes	....	....	69.0	-1.9	97	29	37	28	47	4.39	+0.85	1.84	0	7	19	7	5	w.	
Northern Division.																				
Bens Run	Pleasants	622	19	72.2	-1.6	91	28†	49	22	37	3.66	-0.58	2.55	0	6	22	6	3	....	J. D. Riggs.
Bruceton Mills	Preston	1,549	1	....	....	....	....	....	....	....	5.26	+0.61	2.00	0	8	4	18	9	w.	W. M. Wolf.
Buckhannon	Upshur	1,411	24	69.3	-1.0	86	30	48	22†	30	7.11	+3.01	2.13	0	8	20	5	6	....	H. A. Darnall.
Cairo	Ritchie	680	22	71.3	-1.5	91	2†	45	22	37	5.36	+1.74	3.25	0	7	12	13	6	....	O. C. Hess.
Cheat Bridge	Randolph	....	3	....	....	....	....	....	....	....	5.05	....	1.45	0	12	14	9	8	....	H. F. Cromer.
Cortland	Tucker	3,300	5	....	....	....	....	....	....	....	6.13	....	2.30	0	9	8	18	5	....	G. W. Harmon.
Creston	Wirt	701	19	72.0	-1.4	92	1†	48	22	43	4.23	+0.78	1.70	0	11	14	7	10	sw.	J. M. Reed.
Davis	Tucker	3,093	12	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Ross C. Male.
Elizabeth	Wirt	646	9	....	....	....	....	....	....	....	5.42	....	2.60	0	8	....	....	....	....	E. D. Ball.
Elkins	Randolph	1,947	20	67.6	-0.6	84	2	45	28	39	6.82	+3.17	3.00	0	9	6	11	14	s.	U. S. Weather Bureau.
Fairmont	Marion	883	15	72.2	-1.0	94	28†	49	15†	43	5.03	+1.49	2.30	0	10	23	2	6	w.	F. P. Hall.
Glenville	Gilmer	738	27	73.6	-0.3	95	30	49	22	43	5.67	+1.76	2.20	0	13	14	14	3	w.	Howard R. Brannon.
Grafton	Taylor	1,000	28	71.1	-0.6	93	30	47	22†	41	5.76	+1.84	2.62	0	10	11	15	5	n.	W. C. Byers.
Lost Creek	Harrison	1,026	23	69.2	-0.8	90	30	43	22	41	6.25	+2.23	2.45	0	7	18	6	7	w.	Allen Smith.
Mannington	Marion	974	18	68.2	-2.7	88	30	45	22†	38	5.57	+1.65	1.93	0	10	17	5	9	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	28	70.9	-1.4	90	30	49	22	33	5.61	+1.41	1.36	0	7	6	7	18	w.	Prof. E. L. Andrews.
Moundsville	Marshall	642	18	71.0[a]	-1.9	92[a]	30	48	22†	39[a]	6.52	+2.96	1.48	0	9	15	15	1	sw.	G. W. Wright.
New Cumberland	Hancock	987	23	69.0	-1.9	91	29†	48	22	36	4.35	+0.87	1.61	0	11	18	5	8	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	27	72.6	-1.5	94	30	50	22†	41	5.15	+1.65	1.85	0	6	20	6	5	s.	Wm. Ankrom.
Parkersburg	Wood	638	34	72.4	-0.8	90	30	54	22	31	3.71	+0.18	2.47	0	8	14	9	8	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	21	68.4	-0.8	95	12	41	28	44	5.50	+1.71	....	0	....	19	3	9	....	J. W. Swisher.
Philippi	Barbour	1,149	24	69.7	-2.0	89	16	46	15	36	6.36	+2.31	1.82	0	9	16	5	10	w.	Prof. M. B. Pimm.
Pickens	Randolph	2,697	18	66.6	-0.2	85	2	43	15†	38	6.97	+1.86	2.15	0	9	18	3	10	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	34	....	....	....	....	....	....	....	7.53	+3.66	3.04	0	11	....	....	....	e.	J. F. Pierce.
Saint Marys	Pleasants	577	12	....	....	....	....	....	....	....	3.81	-0.95	2.15	0	10	....	....	....	sw.	Wm. Hughes.
Smithfield	Wetzel	835	15	67.6	-3.4	90	30	46	22	33	3.45	-1.01	1.40	0	11	23	4	4	sw.	G. M. Whisler.
Stony River Dam	Grant	....	1	64.4[a]	....	78[a]	30	50	9†	24	5.66	....	2.10	0	10	8	11	12	w.	A. C. Becker.
Terra Alta[a]	Preston	2,612	20	62.6	-5.3	80	13†	38	28	38	8.02	+3.03	3.00	0	9	14	8	8	w.	Dr. C. O. Gorby.
Wellsburg	Brooke	1,225	20	68.4	-2.0	91	30	44	22	40	5.34	+1.50	1.85	0	9	18[a]	6[a]	6[a]	e.	George P. Pfister.
Weston	Lewis	1,026	25	71.0	-2.0	88	11†	48	28	40	6.95	+4.06	2.82	0	12	8	13	10	ne.	Weston State Hospital.
Wheeling	Ohio	645	34	72.0	-1.4	98	30	47	22	40	4.35	+0.68	0.87	0	12	14	15	2	w.	Miss M. B. Forsyth.
Averages and	extremes	....	....	69.7	-1.6	98	30	38	28	44	5.55	+1.60	3.25	0	9	15	9	7	w.	
Southern Division.																				
Bancroft	Putnam	574	17	71.5	-2.1	91	2	53	15†	33	7.65	+3.17	2.05	0	11	15	9	7	se.	E. H. Morrow.
Beckley	Raleigh	2,440	21	64.8[a]	-5.1	84[a]	2	48	9†	24	5.48	+2.41	2.37	0	7	16	6	9	sw.	John H. Ewart.
Bluefield	Mercer	2,558	26	70.0	-0.9	89	2	52	15	31	4.54	+0.36	0.86	0	14	11	14	6	....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	6	....	....	....	....	....	....	....	6.50	....	2.00	0	7	20	2	9	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	18	73.2	-2.4	90	11†	52	22	32	8.01	+3.62	1.85	0	9	17	1	13	....	C. V. Lewis.
Clay	Clay	706	5	....	....	....	....	....	....	....	9.46	....	2.14	0	12	....	....	....	....	Mark King.
Cuba	Jackson	650	19	70.4	-1.7	91	2	49	15†	37	5.50	+2.55	1.80	0	10	11	14	6	w.	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	5	....	....	....	....	....	....	....	3.87	....	2.30	0	11	....	....	....	....	Lockmaster.
Dam 20 O. R.	Wood	551	5	....	....	....	....	....	....	....	5.58	....	3.80	0	9	....	....	....	....	Lockmaster.
Dam 22 O. R.	Jackson	538	6	....	....	....	....	....	....	....	5.52	....	2.70	0	9	....	....	....	....	Lockmaster.
Dam 26 O. R.††	Mason	505	5	....	....	....	....	....	....	....	6.13	....	1.62	0	10	....	....	....	....	U. S. Engineer Office.
Evans	Jackson	606	9	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	B. F. Sayre.
Gary	McDowell	1,426	5	71.9	....	93	2	49	27	33	4.43	....	1.30	0	15	....	....	....	....	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	25	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	W. H. Gwinn.
Hinton	do	1,450	24	71.2	-2.5	93	2	51	27†	36	2.78	-0.99	0.46	0	13	14	1	16	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	27	73.0	-2.8	93	2	55	22	26	6.00	+2.26	2.20	0	12	17	5	9	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	2	....	....	....	....	....	....	....	3.10	....	0.86	0	6	....	....	....	....	J. O. Brown.
Kayford	Kanawha	1,335	5	....	....	....	....	....	....	....	5.76	....	....	0	11	....	....	....	....	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	21	68.0	-1.9	91	2	45	27	34	3.25	-0.30	1.14	0	12	20	5	6	nw.	Geo. T. Argabate.
Logan	Logan	687	18	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	C. & O. R. R..
Marlinton	Pocahontas	2,131	22	61.8	-5.4	84	2	38	27	34	3.36	-1.27	0.68	0	12	3	20	8	sw.	S. L. Brown.
Miller	Fayette	....	1	....	....	....	....	....	....	....	5.14	....	0.99	0	10	....	....	....	....	J. R. Bays.
Point Pleasant	Mason	553	28	....	....	....	....	....	....	....	5.50	+2.37	2.60	0	7	26	0	5	....	W. D. Holmes.
Powellton	Fayette	933	25		....	97[b]	2	....	....	....	3.68	-0.63	0.90	0	9	15[h]	0[h]	8[h]	....	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	5	....	....	....	....	....	....	....	4.40	....	1.55	0	9	....	....	....	....	Raleigh Coal & Coke Co.
Renick	Greenbrier	1,653	5	....	....	....	....	....	....	....	3.22	....	....	0	10	....	....	....	....	Wm. B. Hill.
Robertsburg	Putnam	574	21	73.7[a]	-0.7	93[a]	1	51[a]	15	39[b]	6.18	+2.91	2.04	0	11	15	4	12	s.	E. C. Brace, Jr.
Ryan	Roane	700	18	72.0	-1.1	92	30†	47	28	42	5.15	+1.29	1.25	0	12	16	6	9	....	Wm. E. Ryan.
Sharples	Logan	....	1	....	....	....	....	....	....	....	3.51	....	0.87	0	7	....	....	....	....	C. E. Rippetoe.
Spencer††	Roane	784	17	73.0	-0.3	93	2	49	29	40	6.02	+2.46	2.00	0	10	2	28	1	....	A. M. McKown.
Sutton	Braxton	839	15	70.0	-5.8	90	28†	50	24	38	5.18	+1.44	0.94	0	12	19	1	11	....	C. B. Eakle.
Union	Monroe	2,250	17	67.4	-3.2	87	30†	46	9	35	2.32	-1.39	1.00	0	6	....	....	....	....	Edward H. Shanklin.
White Sulphur Springs	Greenbrier ††	1,940	11	69.0[a]	....	93[a]	2	43	26	39[a]	4.91	....	1.92	0	11	20	9	2	....	J. M. Ayres.
Williamson	Mingo	660	21	72.5	-2.4	91	2	57	27†	29	5.26	+1.71	1.08	0	11	18	7	6	w.	J. F. Keyser.
Averages and	extremes	....	....	70.1	-2.7	97	2	38	27	42	5.01	+1.22	3.80	0	10	16	6	9	s.	
State averages and	extremes	....	....	69.7	-2.0	98	30	37	28	47	5.20	+1.39	3.80	0	9	16	8	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, [a], [b], [c] appearing in the table indicate number of days missing; for example, [b] represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for August, 1921.

Stations.	Drainage-basin.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac											T.	.28	.09	1.05			.20	.24													.15	+++
Brandywine	....do		.15	.85				.85					.05	.15	.30		T.	.15															2.50
Burlington	....do		1.70	1.10			.18	.30					.10		.36			.22														T.	3.96
Harpers Ferry |||	....do		.75	.92	.32		.12	.70	.75				T.	.98		.62		.10	.20														5.46
Martinsburg	....do		*	4.46			.20	1.03					.44		.93			.38														.15	7.59
Moorefield	....do		.43	.58			.10						.22		.73																		+++
Piedmont	....do		1.37	1.84			.20	.54				*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.82					.01	4.78
Romney	....do		1.38	1.45				.36					T.		.95			.20															4.34
Upper Tract	....do		T.	1.45	T.									T.	.50															.10		.08	2.13
Wardensville |||	....do								.95						.45			.28	.18												T		+++
Northern Division.																																	
Bens Run	Ohio	.03		2.55				.18					.75					.12														.03	3.66
Bruceton Mills |||	Monongahela		2.00	.99		T.		.61					.24		.05			.79	.38													.20	5.26
Buckhannon	....do		1.63	2.13		T	T.	.70					.25		1.28			.32				.45										.35	7.11
Cairo			.36	3.25				.52					.54		.10			.15														.44	5.36
Cheat Bridge |||			1.34	.33		.02	.38	.13				.09	.23	.57	1.45			.34			.05										.12	T.	5.05
Cortland |||	Monongahela	.23	2.30	.42				.46					.42		1.10		.72		.22													.26	6.13
Creston |||	Little Kanawha		T.	1.70	.15		.28	.18	.31				.03	.03	T.	.70		.09	.48			.28											4.23
Davis |||	Monongahela																																
Elizabeth |||	Little Kanawha		.30	2.60			.06		.75					.38		.52			.49			.32											5.42
Elkins ***	Monongahela		2.09	1.98		T.	.05	.20				T.	.27	.01	1.10			.40	T.		T.									T.		.72	6.82
Fairmont |||	....do		.26	2.30	.24			.72	.30				.22	.17	.28	T.		T.	.52	T.		.02											5.03
Glenville |||	Little Kanawha		.10	2.20	.40		.18	.10	.40				.18	.46	.10	.46		T.	.22			.05					.82						5.67
Grafton |||	Monongahela		.34	*	2.62			.18	.91					.07	*	.77			.83	.04													5.76
Lost Creek	....do.		1.46	2.45		T.	T.	.61					.28		1.08			.32	T.													.05	6.25
Mannington	....do		.71	1.93				1.38					.38		.01			.64	.24		.13						.01					.14	5.57
Morgantown	....do		1.08	1.36				1.01					.32		.21			.70	T.													.93	5.61
Moundsville |||	Ohio		1.26	1.48				1.13	.86				.82		.21	.11			.59	.06													6.52
New Cumberland |||	....do		.38	.38				.53	1.08				1.07		.10	.38		.04	.22	.04							.13						4.35
New Martinsville	....do		.55	1.15			.75						.65					1.85								.20							5.15
Parkersburg ***	Ohio		1.27	1.25			T.	.59				.04	.28	T.	.03		T.	.10			T.					T.					T.	.15	3.71
Parsons	Monongahela		*					*					*	*	*	*	*	*	*	5.50													5.50
Philippi	....do		1.34	1.82				T.	.58				.78		.97			.39	.18		.07											.23	6.36
Pickens	....do		.30	1.80			.16	.70					.27	.32	2.15			.89			T.											.38	6.97
Rowlesburg |||	....do		.96	3.04	.30			.86	.60				.04	.28	.17	.52		.20	.56														7.53
Saint Marys |||	Ohio		.03	2.15	.15			.02	.68		T		.52			.02		.02	.08								.14						3.81
Smithfield |||	Fishing Creek		.23	1.40	.10			.18	.55				.30	.07		.03			.55	.01							.03						3.45
Stony River Dam |||	Monongahela		.57	2.10	.48		.03		.36				.28	.10		.70		.76	.28														5.66
Terra Alta	....do		.98	2.16				3.00	.17				.17		.52		.25	.62														.15	8.02
Wellsburg	Ohio		1.15	.36	T.			1.85				T.		.45				.68	.17			.39				.06						.23	5.34
Weston	Monongahela		.77	2.82		T.	.10	.87					.51	.01	1.41		T.	.14	.09		.09						.05				T.	.09	6.95
Wheeling |||	Ohio		.56	.85	.03	T	T.	.58	.29				.61	.05	.25	.07			.40	.01							.65						4.35
Southern Division.																																	
Bancroft |||	Great Kanawha			2.05	.50		.19	.05	.30				.40	.78		1.18		.46	.77			.97											7.65
Beckley	....do		2.37	.62	.28										.24		.18		1.36		.43												5.48
Bluefield	....do			.86	.06	.13	.09	.22	.10				.09	.08	.58	.38	.60	.22	.71			.42											4.54
Camden-on-Gauley |||	....do		.80	1.00			1.60	.20					T.	.10	2.00			.80	T.														6.50
Charleston |||	....do			1.85				T.	.10				.98	.68	.77	1.40		.30	.83			1.10											8.01
Clay |||	....do			1.84	.44		.55		.10				.20	1.04	.80	1.30		.30	1.84			1.02					.03						9.46
Cuba	Sand Creek		.40	1.80			.60	.40				.35	.40		.05			.70			.70											.10	5.50
Dam 19 O. R. |||	Ohio		.01	2.30	.16			T.	.38				.58	.06	.01	.15		.04	.11			.07											3.87
Dam 20 O. R. |||	....do		.12	3.80	.05				.43				.26		.02	.20			.60			.10											5.58
Dam 22 O. R. |||	....do			2.70	.05		.45	T.	.60				.45	.25	.04	T.			.38			.60											5.52
Dam 26 O. R. |||	....do			1.62	.75				.14				.31	1.23	.04			.02	1.10			.66					.26						6.13
Evans	Ohio																																
Gary |||	Big Sandy	.04		.16	.70	.20	.03		.34					.06	.09	1.30	.02	.51	.61	.01		.33	.03										4.43
Green Sulpr. Spgs.	....do																																
Hinton |||	....do			.42	.46	.02	.36	.12	.10				.08	.02	.06	.18		.32	.46			.18											2.78
Huntington |||	Ohio			1.84	.36	.32	.22	.10	.04				.32	.02		.28		.32	1.36			.82											6.00
Kanawha Falls ||	Great Kanawha			*									T.	.46	.70	.38	.70					.86											3.10
Kayford |||	....do			.12	1.02			.69	.13				.08	T.	.34	.65		*	1.34	T.	.04	1.35											5.76
Lewisburg	....do		.26	1.14		.18	T.	.32	.08				.02	T.	.10		.33	.12	.34			.34								.02			3.25
Logan	Guyandotte																																
Marlinton	Great Kanawha		.20	.08		.14	.68	T.				.32	.30	T.	.53		.14	.62			.14									.18		.03	3.36
Miller ||	Meadow Creek			.21	.99	.14				.80			.05	.38		.98		.61	.64		.34												5.14
Point Pleasant |||	Ohio			2.60			T.		.82				.32			.50		.30	.80			.16											5.50
Powellton	Great Kanawha			.90		.20	.40						.25	.25		.25	.13	.50	.80														3.68
Raleigh |||	....do			1.55	.47	.05			.28		T.				.05	.20	.53	.92				.35										T.	4.40
Renick |||	....do			*	1.05		.15	.32						*	.40			.45	.15	.25		.45											3.22
Robertsburg |||	....do			1.80	.24		.10	.25	.10			.10				1.56	.05	.92			.36					.70							6.18
Ryan	....do.		.35	1.24		.01	.45	.10					.62	T.	1.25		.01	.64			.38										.01	.09	5.15
Sharples |||	Coal River			.42					.55					.20	.47		.29	.71	.87														3.51
Spencer |||	Little Kanawha			2.00	.10	.30	.10	T.				.35	.10	1.77	.45		.55				.30												6.02
Sutton	Great Kanawha		.30	.12			.50	.52					.68	.61	.94			.68				.18					.30			.05		.30	5.18
Union	....do.			1.00				.15					.08		.12		.47		.50														2.32
White Sulphur Spgs.	....do		1.00	1.92		.05	.02					.05	.05	.02	.10		.05	1.50			.15												4.91
Williamson |||	Big Sandy			.32	.98	.10	.12						.05	.18	.05	1.03		.60	.87			.96											5.26

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

+++ Probably incomplete.

Daily Temperatures for August, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	..	..	..	..	..	..	..	..	..	..	86	77	83	73	73	74	78	73	78	82	81	76	73	88	78	75	75	83	84	84	82	78.9
	Minimum	..	..	..	..	..	..	..	..	..	..	52	62	62	62	42	40	58	66	54	48	57	38	42	47	48	43	38	37	52	57	51	50.3
Brandywine	Maximum	88	86	85	80	76	80	85	78	80	82	87	83	85	85	75	80	84	85	87	91	84	80	79	82	80	75	76	85	88	90	88	82.9
	Minimum	55	60	65	65	50	60	60	57	48	48	54	62	66	61	46	42	50	54	45	53	64	45	46	49	50	48	41	44	41	56	60	53.1
Burlington	Maximum	82	84	80	79	83	83	83	78	78	83	87	81	85	75	73	72	76	82	79	76	80	81	82	80	78	82	82	83	85	89	85	80.8
	Minimum	52	54	52	50	54	60	64	59	48	51	59	65	65	63	48	47	61	68	69	63	66	60	62	58	52	56	58	63	68	70	69	59.2
Martinsburg§	Maximum	85	75	66	80	81	83	85	87	82	85	89	84	88	85	76	75	75	83	84	91	78	76	79	82	80	81	77	83	90	94	91	82.3
	Minimum	59	61	63	57	55	56	65	65	56	56	61	66	68	70	53	52	55	64	63	62	66	52	51	51	56	50	52	53	56	68	69	59.1
Moorfield	Maximum	87	85	81	82	80	88	89	86	84	90	89	87	92	87	82	76	85	83	85	94	88	84	86	87	87	80	83	91	97	..	..	86.0
	Minimum	52	72	65	62	62	63	60	65	46	51	56	60	67	73	60	50	62	56	60	55	66	58	55	60	62	50	45	64	58	..	..	59.1
Piedmont	Maximum	85	77	71	78	79	84	84	77	82	87	..	..	88	..	..	..	..	..	..	..	..	..	..	..	..	77	75	83	88	89	87	81.8
	Minimum	52	60	63	57	52	60	63	53	50	52	..	..	..	..	..	46	..	..	..	..	..	..	..	..	..	47	49	49	58	56	63	54.7
Romney	Maximum	87	85	71	80	80	86	88	82	84	88	92	85	92	88	79	78	80	81	86	91	81	78	80	83	81	79	78	85	91	93	89	83.9
	Minimum	53	50	63	59	51	61	63	51	48	53	58	62	65	66	47	47	61	53	58	56	64	46	44	51	52	47	46	46	61	64	67	55.3
Upper Tract	Maximum	90	88	73	76	76	85	84	84	83	82	86	89	90	88	88	83	83	84	86	89	88	87	87	84	80	78	78	79	84	85	81	83.8
	Minimum	55	54	63	52	51	60	60	59	49	50	58	59	60	60	59	46	45	56	57	55	55	48	45	46	48	47	41	42	44	62	61	53.1
Northern Division.																																	
Bens Run	Maximum	85	86	76	82	78	86	80	79	84	86	89	83	89	78	78	82	84	82	85	88	80	79	86	89	87	85	84	91	91	91	86	84.2
	Minimum	63	56	60	60	60	61	67	59	55	55	65	65	68	66	51	54	68	60	59	62	62	49	64	58	58	60	53	54	60	66	67	60.2
Buckhannon	Maximum	79	85	75	78	76	81	80	75	76	83	84	80	83	77	75	78	80	78	78	83	78	78	76	79	80	78	79	78	84	86	84	79.5
	Minimum	55	65	66	60	53	60	65	62	51	54	64	67	70	66	49	64	67	68	58	58	51	48	50	54	58	50	54	48	64	67	64	59.1
Cairo	Maximum	88	91	77	84	82	86	82	80	83	87	88	81	88	82	76	83	84	83	85	90	80	82	85	87	85	85	84	90	90	91	88	84.7
	Minimum	52	61	68	57	56	57	67	56	51	58	69	67	66	65	48	49	67	65	56	57	60	45	49	52	57	54	48	56	57	62	62	57.9
Creston	Maximum	92	91	79	84	81	88	79	81	85	89	91	83	91	83	72	83	87	84	88	90	79	81	85	90	89	87	85	92	90	91	85	85.6
	Minimum	50	63	67	57	58	60	69	57	52	50	61	68	69	67	49	52	67	67	58	59	61	48	53	56	59	57	52	49	50	65	64	58.5
Elkins	Maximum	81	84	71	77	73	82	81	74	76	81	84	77	82	75	71	78	79	76	78	83	73	75	79	81	79	75	78	84	82	84	79	78.5
	Minimum	54	60	61	56	56	65	63	55	51	52	57	66	67	56	48	47	62	65	57	55	51	47	52	54	56	56	49	45	63	65	66	56.7
Fairmont§	Maximum	88	87	71	86	85	89	80	80	85	88	90	79	92	80	80	81	82	83	87	89	82	82	87	88	90	86	88	94	92	94	90	85.7
	Minimum	52	61	65	57	59	61	67	59	52	56	62	68	68	69	49	53	58	69	58	60	60	49	50	57	58	57	50	51	56	64	67	58.8
Glenville	Maximum	92	93	80	88	85	88	87	81	88	90	92	87	90	90	81	88	89	85	88	93	84	85	88	92	92	89	90	93	93	95	92	88.6
	Minimum	53	61	69	58	58	58	67	59	53	55	60	67	69	66	51	52	66	65	59	58	59	49	52	55	58	57	50	50	58	58	63	58.5
Grafton	Maximum	76	87	76	82	85	90	82	80	84	89	91	85	90	76	79	78	75	82	86	90	79	80	87	88	86	82	86	88	91	93	87	84.2
	Minimum	52	61	66	55	55	61	66	60	50	54	61	67	68	66	49	50	65	68	58	57	61	47	50	54	56	54	50	47	62	63	64	58.0
Lost Creek	Maximum	87	84	74	81	80	85	79	78	81	85	88	79	87	81	75	82	82	80	82	87	77	77	83	84	82	83	80	85	88	90	87	82.4
	Minimum	49	59	66	56	55	55	66	57	48	51	60	66	66	67	45	48	65	67	55	55	60	43	51	53	52	48	45	41	60	64	63	56.1
Mannington	Maximum	80	83	78	77	77	82	80	74	77	83	85	78	84	82	72	76	79	78	80	84	75	75	79	81	81	78	79	83	81	88	84	79.9
	Minimum	49	61	65	55	55	59	65	56	51	52	59	66	67	66	46	49	64	67	57	57	57	45	47	53	57	53	49	45	56	59	62	56.4
Morgantown	Maximum	82	82	77	79	79	84	81	76	79	86	86	82	86	84	74	76	80	76	81	86	80	76	82	85	83	78	80	88	89	90	86	81.7
	Minimum	52	60	64	53	61	65	64	59	53	58	67	65	68	61	50	54	64	67	56	62	58	49	57	58	61	61	59	55	64	67	68	60.1
New Cumberland	Maximum	76	68	78	82	82	89	80	75	82	85	86	86	89	74	76	75	81	77	84	88	74	77	82	87	84	80	81	86	91	91	89	81.8
	Minimum	51	56	59	54	51	58	66	55	53	51	60	61	64	61	49	51	56	65	56	59	55	48	49	53	55	54	52	52	55	62	64	56.1
New Martinsville	Maximum	89	86	83	83	80	83	80	85	84	89	89	85	91	85	82	81	82	84	86	87	82	80	88	89	89	88	86	92	93	94	90	86.0
	Minimum	53	62	65	58	58	65	60	54	55	54	62	68	68	68	51	52	68	68	59	61	59	50	50	57	60	59	52	51	60	64	66	59.3
Parkersburg	Maximum	86	87	76	81	78	84	78	78	80	87	86	81	86	77	72	82	84	81	85	89	76	78	83	85	84	82	80	87	90	90	87	82.6
	Minimum	59	64	66	61	64	65	68	60	55	58	69	68	69	61	55	56	68	66	60	67	61	54	56	57	64	63	58	56	65	69	69	62.3
Parsons	Maximum	94	79	67	85	75	88	80	87	84	87	88	95	75	80	84	80	80	81	89	91	81	84	84	85	87	85	84	84	83	85	86	84.0
	Minimum	50	54	59	50	49	49	65	52	48	48	53	60	60	48	45	60	63	62	58	59	53	45	44	50	52	49	48	41	46	55	58	52.7
Philippi	Maximum	83	83	74	75	75	77	83	85	80	83	85	83	85	76	74	89	80	78	81	85	73	77	82	83	82	78	82	87	86	87	87	81.2
	Minimum	51	59	63	55	55	61	61	61	50	56	65	65	60	63	46	53	63	59	55	55	59	57	59	56	58	57	54	51	64	66	67	58.2
Pickens	Maximum	82	85	73	79	74	79	78	75	79	82	84	79	80	75	73	81	78	74	80	82	75	79	80	78	79	82	80	81	80	84	84	79.2
	Minimum	48	58	58	50	52	61	60	55	45	51	59	61	63	59	43	43	61	62	55	52	50	44	52	55	53	50	48	50	54	59	59	53.9
Terra Alta	Maximum	75	75	68	68	72	79	77	72	68	75	75	70	80	70	66	71	74	..	73	80	72	68	73	76	70	68	66	76	79	80	78	73.1
	Minimum	41	57	61	50	50	59	61	55	45	45	53	55	64	61	41	58	64	..	57	48	53	39	46	45	49	50	47	38	52	55	64	52.1
Wellsburg	Maximum	79	75	80	82	83	87	81	86	84	87	85	87	79	76	72	76	80	78	84	84	78	76	81	86	82	82	82	88	90	91	89	82.3
	Minimum	48	57	62	56	53	55	63	60	50	54	50	63	59	46	49	46	60	68	55	60	53	44	45	50	53	53	50	48	54	59	63	54.4
Weston	Maximum	85	85	74	80	76	83	80	78	81	85	88	81	85	78	74	81	83	81	82	88	78	79	83	85	84	81	83	88	88	88	85	82.3
	Minimum	55	63	67	58	58	59	68	61	51	55	62	67	70	67	50	52	66	63	58	59	62	58	54	55	58	54	50	48	63	66	65	59.6
Wheeling§	Maximum	84	78	76	83	86	89	82	82	85	90	90	89	92	75	82	82	84	79	89	90	83	80	87	90	87	89	82	93	97	98	90	85.9
	Minimum	54	55	60	59	57	58	66	57	54	56	64	67	66	67	48	54	57	68	57	59	57	47	50	56	58	54	54	54	57	62	66	58.0
Southern Division.																																	
Bluefield	Maximum	87	89	88	77	76	82	82	76	80	82	86	77	80	79	75	79	81	81	89	86	84	77	75	76	77	76	75	80	83	85	86	80.5
	Minimum	66	70	67	60	57	62	60	63	60	59	64	68	64	54	52	60	62	62	59	59	53	55	58	56	56	56	53	57	56	59	60	59.6
Charleston	Maximum	88	84	89	83	80	84	83	87	81	88	90	89	86	85	81	80	87	84	85	99	80	81	89	85	87	89	85	87	87	90	89	85.6
	Minimum	60	62	60	58	59	63	60	61	57	60	62	65	60	69	55	58	62	68	62	60	62	52	57	60	62	62	60	58	60	64	65	60.7
Gary§	Maximum	90	93	84	84	77	87	84	78	83	86	90	80	84	78	80	71	86	83	83	88	82	85	81	85	84	81	81	84	86	89	90	83.8
	Minimum	67	65	70	62	62	58	64	63	54	56	59	64	66	65	56	53	62	65	63	59	62	56	59	56	55	55	49	51	61	62	62	60.0
Green Sulphur Spgs.	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Hinton§	Maximum	90	93	80	80	72	83	82	79	84	85	89	81	87	76	81	79	89	83	86	92	83	84	75	83	83	83	83	84	87	92	88	83.7
	Minimum	62	62	69	60	60	60	61	62	54	55	58	58	64	66	55	52	53	63	62	60	60	56	56	57	58	55	51	51	52	64	64	58.7
Huntington§	Maximum	86	93	78	81	81	85	80	78	80	85	86	82	86	76	75	78	85	82	84	88	77	77	78	82	83	81	80	82	86	88	87	82.3
	Minimum	64	69	70	64	65	64	71	61	58	60	67	70	72	72	56	56	62	70	64	66	65	55	58	59	61	62	58	56	61	65	70	63.7
Lewisburg	Maximum	85	91	78	80	71	78	82	74	80	81	86	83	82	77	77	68	83	79	80	86	80	79	70	79	79	77	78	81	82	86	87	80.0
	Minimum	56	62	65	55	55	60	61	60	46	53	59	60	65	61	48	47	60	64	53	54	60	49	54	52	50	50	45	47	63	69	58	55.9
Marlinton	Maximum	82	84	74	74	68	72	78	70	72	74	78	72	74	70	70	66	74	66	68	78	72	70	66	74	70	70	70	74	80	78	82	73.2
	Minimum	48	54	58	52	50	52	58	52	42	46	52	56	60	58	44	44	54	56	52	60	50	42	44	50	48	41	38	40	52	54	56	50.5
Point Pleasant	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Powellton	Maximum	91	97	88	85	87	87	84	..	84	85	93	88	85	..	88	81	89	85	85	..	..	..	..	90	88	86	..	..	90	90	91	87.7
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	52	53	54	....
Robertsburg§	Maximum	93	92	80	87	83	89	79	80	86	91	86	88	..	77	81	89	83	89	90	81	83	85	90	89	86	89	91	91	91	91	89	86.6
	Minimum	57	68	69	59	61	62	68	63	59	57	63	71	66	..	51	53	68	60	62	63	52	54	55	57	58	55	52	60	67	65	68	60.8
Evan	Maximum	89	91	79	84	81	88	79	79	84	89	91	84	85	79	79	84	88	88	87	91	84	84	88	89	89	85	84	89	91	92	92	86.0
	Minimum	53	63	67	56	57	65	65	55	50	54	59	65	70	65	49	51	67	65	56	53	58	48	54	55	56	56	51	47	57	65	62	57.9
Spencer§	Maximum	86	93	75	85	86	85	80	82	85	88	85	86	78	89	84	84	90	90	85	85	81	86	89	88	89	80	85	86	89	88	89	85.2
	Minimum	55	65	68	58	66	56	50	52	56	64	65	70	67	66	66	64	60	64	71	71	57	57	58	55	59	57	54	52	49	66	65	60.7
Union	Maximum	83	85	79	74	72	77	78	73	75	77	80	79	79	76	77	79	77	79	78	83	82	79	73	81	79	78	79	83	85	87	87	79.1
	Minimum	60	65	63	60	59	60	61	59	46	50	56	62	63	62	56	50	49	62	55	54	53	49	55	52	50	50	51	49	50	59	57	55.7
White Sulphur Spgs.	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Williamson§	Maximum	86	91	79	83	82	86	83	78	80	85	89	80	85	76	75	71	85	80	80	86	75	77	77	80	81	79	78	81	82	85	86	81.3
	Minimum	67	62	72	65	65	63	65	63	58	61	63	70	71	69	65	59	60	67	67	66	62	60	61	62	61	61	57	57	61	67	69	63.7

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

UNIVERSITY OF ILLINOIS L
NOV 9 1921

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXIX. Parkersburg, W. Va., September, 1921. No. 9.

GENERAL SUMMARY.

The past month was the wettest September of State record and also the warmest, except in 1900. The temperature was continuously above the normal, except the 26th, probably breaking all monthly State temperature records. The lowest temperature recorded was only 39°, the record for September. In 1906, however, the lowest for September was 38°. The average temperatures for Elkins and Parkersburg were the highest of September record. There were no frosts. The rainfall was so favorably distributed that there was no damage from flooding and washing, although farm work was somewhat delayed by wet weather. High wind in the central portion of Jackson County on the 17th caused considerable damage to telephone wires and roofs. High wind on the 30th, attending a change to much cooler weather, also caused some damage to roofs and wires over the northern portion of the State. At the close of the month corn was mostly cut, wheat and rye thrashed, and the ground ready for wheat seeding.

PRESSURE.

The mean sea-level pressure at Parkersburg and Elkins was 30.06 inches. The highest and lowest readings observed were as follows: Parkersburg, 30.32 inches on the 19th, and 29.73 inches on the 30th. Elkins, 30.33 inches on the 19th, and 29.73 inches on the 30th.

TEMPERATURE.

The monthly mean for the State, determined from 49 stations, was 70.9°. The departure for 44 stations having ten or more years of record was +5.1°. While the temperature was above the normal for the entire month, except the 26th, the warmest weather occurred on the 1st-2d, 4-6th, 10-11th, 15-17th, and 20th-21st. The highest temperatures were generally recorded on the 1st, 2d, and 17th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 86 per cent; 8 p. m., 77 per cent. The September averages for the same hours for the past 33 years are 84 and 71 per cent, respectively. Elkins, 8 a. m., 93 per cent; 8 p. m., 89 per cent. The September averages for Elkins for the same hours for the past 20 years are 92 and 83 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 68 stations, was 4.76 inches. The departure from the normal for 46 stations having ten or more years of record was +1.99 inches. Most of the rainfall was received from the 3d to the 6th, 9th to the 11th, 18th to the 21st, 25th to the 27th, and on the 30th, the greatest amounts being recorded on the 6th and 21st.

WIND.

The average wind velocity at Parkersburg was 3.9 miles per hour, or 0.4 mile below the September average for 31 years. The average at Elkins was 3.1 miles per hour, or 0.3 mile above the September average for 22 years. The highest velocity at Parkersburg was 44 miles per hour from the northwest on the 30th, and at Elkins 34 miles per hour from the west on the 30th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 64 per cent of the possible amount, or 6 per cent above the September average for 24 years. The average at Elkins was 56 per cent, or 3 per cent above the September average for 22 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bluefield, 12th; Creston, 2d, 7th, 8th, 9th, 12th, 13th, 14th, 15th, 16th, 17th, 19th, 26th, and 28th; Elkins, 2d, 12th, 13th, 14th, 16th, 24th, 28th, and 29th; Grafton, 16th, and 24th; Hinton, 1st, 2d, 13th, 16th, 20th, and 29th; Lewisburg, 16th; Mannington, 2d, 7th, 13th, 14th, 15th, 16th, 19th, 20th, 24th, and 26th; Marlinton, 4th, 6th, 7th, 12th, 14th, 16th, 17th, 19th, 22d, 24th, and 29th; New Cumberland, 15th; Robertsburg, 19th; Romney, 5th, 13th, 14th, 16th, and 23d; St. Marys, 8th, 14th, 19th, 26th, and 29th; Smithfield, 13th, 14th, 16th, 18th, and 26th; Weston, 12th, 13th, 14th, 16th, 24th, and 26th; Wheeling, 13th, 15th, 19th, 26th, and 29th; Williamson, 8th and 9th.

Halos, lunar: Bayard, 11th, Wheeling, 18th.

Hail: Camden-on-Gauley, 21st.

Thunderstorms (dates and number of stations reporting): 1st, 4; 2d, 8; 3d, 5; 4th, 5; 5th, 4; 6th, 7; 9th, 4; 10th, 3; 11th, 8; 12th, 3; 15th, 1; 17th, 4; 18th, 4; 19th, 1; 20th, 12; 21st, 13; 22d, 2; 25th, 11; 26th, 1; 27th, 1; 29th, 1; 30th, 1.

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	66.8	.....	.....	1.66	.....	.....	.....	.....	.....	.....
1892	64.4	92	32	2.57	.....	.....	.....	.....	.....	.....
1893	65.0	91	29	2.28	4.50	1.05	.....	.....	.....	.....
1894	67.8	98	31	2.50	4.75	1.25	.....	12	11	7
1895	70.3	107	29	1.70	4.25	0.42	.....	17	8	5
1896	65.2	95	22	4.59	9.04	1.58	.....	14	9	7
1897	66.4	103	27	1.14	4.00	0.02	.....	22	6	2
1898	67.6	97	33	2.42	4.75	0.80	.....	16	10	4
1899	64.0	100	26	3.65	6.35	1.65	.....	14	9	7
1900	71.1	100	35	1.92	5.50	0.34	.....	14	10	6
1901	64.8	95	27	3.35	7.64	1.46	.....	13	8	9
1902	64.8	98	25	2.98	4.81	1.23	.....	12	9	9
1903	64.7	97	25	1.30	2.78	0.10	.....	21	6	3
1904	67.0	95	25	1.76	4.55	0.53	.....	16	10	4
1905	65.6	97	29	2.21	4.21	0.54	.....	18	8	4
1906	69.9	97	38	3.25	5.44	0.57	.....	12	10	8
1907	66.3	93	30	4.41	7.10	2.00	.....	12	10	8
1908	65.9	99	24	0.95	2.54	0.26	.....	21	6	3
1909	63.7	95	28	2.74	8.75	0.63	.....	15	9	6
1910	68.4	97	32	3.50	6.04	0.50	.....	12	11	7
1911	68.8	100	32	4.67	8.30	1.80	.....	12	11	7
1912	68.6	98	30	3.85	9.18	1.13	.....	17	7	6
1913	64.2	100	25	2.88	6.38	0.86	.....	14	7	9
1914	63.2	97	24	1.58	5.65	0.17	.....	18	6	6
1915	67.6	100	31	3.84	7.18	2.00	.....	16	8	6
1916	63.0	99	27	3.71	7.88	1.01	.....	18	6	6
1917	62.4	98	23	2.79	6.62	1.16	T.	17	7	6
1918	60.5	93	24	2.92	4.73	1.37	T.	15	7	8
1919	66.0	98	31	2.11	4.37	0.12	.....	18	7	5
1920	66.7	96	34	3.14	5.38	1.34	.....	16	7	7
1921	70.9	97	39	4.76	9.07	1.65	.....	12	10	8
Means and extremes	66.2	107	22	2.81	9.18	0.02	T.	16	8	6

Climatological Data for September, 1921.

				Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.					
Stations.	Counties.	Elevation, feet.	Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Panhandle Division.																				
Bayard	Grant	2,700	20	66.6	+ 6.6	87	2†	39	26	38	5.20	+1.78	1.78	0	17	9	16	5	w.	U. G Clark.
Brandywine	Pendleton	....	5	69.8	....	92	2†	45	20†	37	3.05	....	0.90	0	11	23	2	5	sw.	Elmer Keister.
Burlington	Mineral	875	27	69.6	+ 5.4	90	17	45	25	33	4.43	+1.44	1.76	0	10	5	22	3	nw.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	32	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	S. W. Lightner.
Martinsburg	Berkeley	435	29	72.8	+ 6 7	94	17	52	26†	28	3.65	+0.84	2.07	0	12	18	7	5	w.	G. W. Van Metre, C. E.
Moorefield[b]	Hardy	900	25	73.0	+ 6.3	93	17	42	23	44	4.74	+2.18	....	0	13	27	1	0	....	M. S. Henkel.
Piedmont	Mineral	919	8	71.2	....	92	2	47	26	40	4.71	....	1.00	0	13	15	8	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	23	71.7	+ 5.6	95	1	43	26	38	6.25	+3.59	3.56	0	10	7	22	1	....	Geo. E. Arnold.
Upper Tract	Pendleton	1,230	22	70.1[d]	+ 4.6	92[d]	4	48[d]	28	38[d]	1.65	−0.67	0.90	0	3	19	5	6	w.	J. M. Mallow.
Wardensville	Hardy	1,200	3	68.0[b]	....	88[b]	4†	42	30	36[b]	3.00	....	1.01	0	7	7	4	19	e.	Luther F. Sutton.
Averages and	extremes	....	....	70.3	+ 5.9	95	1	39	26	44	4.08	+1.53	3.56	0	11	14	10	6	w.	
Northern Division.																				
Bens Run	Pleasants	622	19	72.4	+ 4.7	92	2	49	26	32	4.21	+1.86	1.30	0	11	20	6	4	....	J. D. Riggs.
Bruceton Mills	Preston	1,549	1	....	....	....	....	....	....	....	9.07	....	2.01	0	16	1	23	6	sw.	W M. Wolf.
Buckhannon	Upshur	1,411	24	69.8	+ 5.8	86	2†	50	19†	30	6.50	+3.37	2.10	0	11	16	9	5	....	H. A. Darnall.
Cairo	Ritchie	680	22	71.4	+ 3.5	91	1†	45	26	37	5.43	+2.82	1.01	0	14	10	13	7	....	O. C. Hess.
Cheat Bridge	Randolph	3,558	3	....	....	....	....	....	....	....	6.80	....	1.74	0	16	14	7	9	....	H. F. Cromer.
Cortland	Tucker	3,300	5	....	....	....	....	....	....	....	6.02	....	1.31	0	9	6	24	0	....	G. W. Harmon.
Creston	Wirt	701	19	72.5	+ 5.3	92	1†	48	26	40	4.21	+1.63	1.65	0	9	12	7	11	sw.	J. M. Reed.
Dam 10 Mon. R	Marion	786	0	....	....	....	....	....	....	....	6.81	....	2.53	0	12	....	....	....	sw.	Lockmaster.
Dam 15 Mon. R	Monongalia	839	0	....	....	....	....	....	....	....	4.45	....	1.03	0	13	....	....	....	sw.	Lockmaster.
Davis	Tucker	3,093	12	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Ross C. Male.
Elizabeth	Wirt	646	9	....	....	....	....	....	....	....	4.88	....	1.22	0	8	....	....	....	....	E. D. Ball.
Elkins	Randolph	1,947	20	68.3	+ 6.4	85	1	47	26	34	5.15	+2.28	1.23	0	16	4	20	6	w.	U. S. Weather Bureau.
Fairmont	Marion	883	15	72.8	+ 6.2	94	5	52	19	33	5.96	+3.36	1.46	0	17	21	5	4	w.	Creed E. Bolyard.
Glenville	Gilmer	738	27	74.5	+ 6.8	96	1	49	26	40	4.97	+1.70	1.34	0	12	16	9	5	w.	Howard R. Brannon.
Grafton	Taylor	1,000	28	71.8	+ 5.4	92	1†	48	26	34	5.83	+2.99	1.37	0	13	9	17	4	e.	W. C. Byers.
Lost Creek	Harrison	1,026	23	70.2	+ 5.3	90	2†	45	26	40	5.52	+2.74	1.85	0	9	16	7	7	w	Allen Smith.
Mannington	Marion	974	18	69.2	+ 4.6	87	17	45	26	31	6 53	+3.36	1.59	0	15	13	8	9	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	28	71.4[b]	+ 4.2	90[a]	2†	46	26	32	6.76	+3.70	2.50	0	8	1[a]	11[a]	17[a]	....	Prof. E. L. Andrews.
Moundsville	Marshall	642	18	72.4[a]	+ 5.5	95[a]	1	47	26	35[a]	8.30	+5.79	2.54	0	16	13	15	2	sw.	G. W. Wright.
New Cumberland	Hancock	987	23	70 1	+ 5.2	91	2	46	26	34	4.61	+2.08	1.35	0	14	18	4	8	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	27	73.6	+ 7.2	97	6	48	26	34	6.65	+4 00	1.95	0	12	17	7	6	s.	Wm. Ankrom.
Parkersburg	Wood	638	34	72.8	+ 6.8	91	2	50	26	31	4.47	+1.75	0.89	0	17	10	11	9	se.	U. S. Weather Bureau.
Parsons ††	Tucker	1,656	21	70.4	+ 7.5	97	1†	44	30	45	5.08	+1.96	....	0	....	15	8	7	....	J. W. Swisher.
Philippi	Barbour	1,149	24	70.0	+ 4.7	88	2	45	26	32	5.84	+2.70	1.69	0	11	15	7	8	w.	Prof. M. B. Pimm.
Pickens	Randolph	2,697	18	67.2	+ 5.6	86	1†	42	30	33	6.94	+3.01	2.05	0	10	19	5	6	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	34	....	....	....	....	....	....	....	6.14	+3.07	1.46	0	17	....	....	....	w.	J. F. Pierce.
Saint Marys	Pleasants	577	12	....	....	....	....	....	....	....	5.57	+3.07	1.10	0	12	....	....	....	sw.	Wm. Hughes.
Smithfield	Wetzel	835	15	68.8	+ 4.3	90	1	46	26†	34	5.22	+2.03	1.61	0	16	21	5	4	sw.	G. M Whisler.
Stony River Dam	Grant	....	1	66.0[a]	....	81[a]	14	48	20†	28[a]	4.49	....	1.10	0	14	3	9	18	w.	A. C. Becker.
Terra Alta	Preston	2,612	26	65.2	+ 2.9	82	1†	42	19	31	5.99	+2.36	1.80	0	14	5	18	7	sw.	Dr. C. O. Gorby.
Wellsburg	Brooke	1,225	20	69.4	+ 5.2	89	21	43	26	34	5.96	+3.16	2.26	0	12	14	12	4	w.	George P. Pfister.
Weston	Lewis	1,026	25	72.0	+ 5 2	90	5†	48	26	35	4.58	+1.69	1.22	0	15	2	20	8	ne.	Weston State Hospital.
Wheeling	Ohio	645	34	73.0	+ 6.6	95	1†	47	28	36	7.49	+4.49	2.98	0	13	14	11	5	w.	Miss M. B. Forsyth.
Averages and	extremes	....	....	70.6	+ 5.3	97	1†	42	19†	40	5.82	+2.88	2.98	0	13	12	11	7	w.	
Southern Division.																				
Bancroft	Putnam	574	17	72.1	+ 3.8	92	17	53	19†	35	3.14	+0 37	0.80	0	16	13	4	13	s.	E. H. Morrow.
Beckley	Raleigh	2,440	21	68.6	+ 5.1	83[a]	2	42	30	31[a]	1.93	−0.55	1.00	0	3	17[a]	6[a]	6	sw.	E. E. Phipps.
Bluefield	Mercer	2,558	26	70.3	+ 4.6	89	1	52	30	33	2.83	+0.23	0.62	0	17	8	15	7	....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	6	....	....	....	....	....	....	....	3.64	....	1.00	0	9	15	4	11	se.	Miss Katie Jarvis.
Charleston	Kanawha	597	18	75.2	+ 5.1	93	17†	58	1†	32	3.75	+0.73	0.93	0	9	13	3	14	w.	C. V. Lewis.
Clay	Clay	706	5	....	....	....	....	....	....	....	4.31	....	0.97	0	11	....	....	....	....	Mark King.
Cuba	Jackson	650	19	71.8	+ 4.4	91	17	48	26	34	3.10	+0.93	0.60	0	12	3	24	3	w.	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	5	....	....	....	....	....	....	....	4.95	....	0 78	0	13	....	....	....	....	Lockmaster.
Dam 20 O. R.	Wood	551	5	....	....	....	....	....	....	....	4.87	....	0.76	0	14	....	....	....	....	Lockmaster.
Dam 22 O. R.	Jackson	538	6	....	....	....	....	....	....	....	3.12	....	0.65	0	9	....	....	....	....	Lockmaster.
Dam 26 O. R.	Mason	505	5	....	....	....	....	....	....	....	3.58	....	1.00	0	9	....	....	....	....	U. S. Engineer Office.
Gary	McDowell	1,426	5	72.6	....	92	1	53	23	33	4.31	....	1.54	0	19	....	....	....	....	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	25	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	W. H. Gwinn.
Hinton	Summers	1,450	24	73 8	+ 6.2	95	14†	55	23†	40	3.12	+0.36	0.86	0	14	7	1	22	n.	J. B. Lavender, C. E.
Huntington	Cabell	538	27	72.6	+ 4.4	94	16	55	19†	32	4.58	+2.07	0.88	0	13	10	4	16	w.	L. H. Hutchinson.
Kanawha Falls††	Fayette	618	2	....	....	....	....	....	....	....	1.32	....	0.35	0	6	....	....	....	....	J. O. Brown.
Kayford	Kanawha	1,335	5	....	....	....	....	....	....	....	3.34	....	0.96	0	14	....	....	....	....	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	21	69.5	+ 5.4	89	1	45	23	34	3.63	+0.79	0.84	0	15	15	8	7	nw.	Geo. T. Argabate.
Logan	Logan	687	15	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	C. & O. R. R..
Marlinton	Pocahontas	2,131	22	63.4	+ 2.0	84	3	40	23	34	3.45	+0.34	0.96	0	17	1	27	2	sw.	S. L. Brown.
Miller	Fayette	....	1	....	....	....	....	....	....	....	5.17	....	1.20	0	13	....	....	....	....	J. R. Bays.
Point Pleasant	Mason	553	28	73.8	+ 4.6	96	1†	47	26	39	3.71	+1.38	0.83	0	12	17	3	10	....	W. D. Holmes.
Powellton	Fayette	933	25	72.2	+ 5.1	92	6†	52	1	37	2.60	+0.20	....	0	10	10	1	9	....	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	5	....	....	....	....	....	....	....	3.61	....	0.65	0	14	....	....	....	....	Raleigh Coal & Coke Co.
Renick	Greenbrier	1,653	5	....	....	....	....	....	....	....	5.39	....	2 00	0	9	....	....	....	....	Wm. B. Hill.
Robertsburg	Putnam	574	21	73.2	+ 5.1	93	17	51	19†	37	4.14	+1.82	0.80	0	14	11	5	14	s.	E. C. Brace, Jr.
Ryan	Roane	700	18	72.7	+ 6.4	94	1	48	19†	42	4.91	+2.12	1.69	0	13	6	15	9	....	Wm. E. Ryan.
Sharples	Logan	....	1	....	....	....	....	....	....	....	4.25	....	1.33	0	7	....	....	....	....	C. E. Rippetoe.
Spencer ††	Roane	784	17	72.3	+ 6.4	93	5	49	27	38	4.75	+1.73	1.30	0	8	4	24	2	....	A. M. McKown.
Sutton	Braxton	839	15	70.2	+ 0.1	90	14†	51	20†	35	3.92	+0.87	0.85	0	7	23	0	7	....	C. B. Eakle.
Union	Monroe	2,250	17	70.6	+ 5.5	90	1†	46	23	36	3.09	+0.45	0.53	0	9	....	....	....	....	Edward H. Shanklin.
White Sulphur Springs	Greenbrier ††	1,940	11	69.8[a]	....	91[a]	1	47	30	33[a]	7.02	....	2.00	0	18	12	16	2	....	J. M. Ayres.
Williamson	Mingo	660	21	72.2	+ 2 9	86	1†	60	23	23	4.22	+1.19	1.17	0	19	16	8	6	w.	J. F. Keyser.
Averages and	extremes	....	....	71.5	+ 4.4	96	1†	40	23	42	3.81	+0.83	2.00	0	12	12	8	10	w.	
State averages and	extremes	....	....	70.9	+ 5.1	97	1†	39	26	44	4.76	+1.99	3.56	0	12	12	10	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, [a], [b], [c] appearing in the table indicate number of days missing; for example, [b] represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for September, 1921.

Stations.	Drainage-basin.	Day of month.																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac	.30		T.	.20	.05	.37	.12		.36	.37	.04	.07			.07			.24		.20	1.78	.15			.34		.33	T		.21		5.20
Brandywine	do		.45	.30	.60	.20		.05		.10	.35	.25							T.				.50				T.		.20		.05		3.05
Burlington	do	T.	T.	T.	.46	.10				T.	T.	.20				.96		T.		.30		1.76			.10			.35		.12	.08		4.43
Harpers Ferry ‖	do																																.....
Martinsburg	do		.19	.06		.20	.15			.10	*	.21				.31					.06	2.07			T.	.05		.22					3.65
Moorefield	do		*	.82	.21	.70	.64	.14		.07		.78				.22						.50	.05			.31					.30		4.74
Piedmont	do			.10	.85		.20				.46	.35	.04			.69					.15	1.00				.46		.30		.10	.01		4.71
Romney	do		.25	.12	.08	.17	.10				.25	.88				.35						3.56						.49					6.25
Upper Tract	do			T.	.60				.90			T.										.15									T.		1.65
Wardensville ‖	do					1.01				*	.05	.95				.35					.20	.21						.23					3.00
Northern Division.																																	
Bens Run	Ohio			.35	.36		1.30			.22		.08									.20	.91			.16	.35		.10			.18		4.21
Bruceton Mills ‖	Monongahela		.32	.77	.01	.19	1.00			.41	T.	.22	.25			.98		T.			.63	2.01	.12			1.64		.15	.08		.29		9.07
Buckhannon	do		.35	.50	.40		1.55			.20			.50						.10			2.10			T.	.30		.25			.25		6.50
Cairo			.10	.89	1.01		.77			.16	.10	.02						.30	.10			.96			.10	.69		.08			.15		5.43
Cheat Bridge ‖		T.		1.24	1.74	.45	.11	.34	T.	.20	.01	1.05	.14			.15			.25		.14		.55				.14	.24	.05				6.80
Cortland ‖	Monongahela			.97		.85						.45									.78	1.31				.28	.61			.58	.19		6.02
Creston ‖	Little Kanawha	T			.20			.85		T.	T.		T.			.20			.18			T.	1.65			.70	.12	.21			.10		4.21
Dam 10, Mon. R.		.01	.01	.80	.07		2.53					.04			.35						.59	.99				1.28		.05			.09		6.81
Dam 15, Mon. R.		.42	.27	.12	.45	.23		.47					.21			.12						.42	1.03			.21	.34	.16					4.45
Davis ‖	Monongahela																																.....
Elizabeth ‖	Little Kanawha					.76						1.22					.15		.56			.36	.87			.54					.42		4.88
Elkins ***	Monongahela		T.	.12	.95		1.23			.16	.04	.21			.01			.31	.08		T.	1.02			.01	.26	.01	.51	.02		.21		5.15
Fairmont ‖	do	.12	.06	.32	.83	.96	.02	.35				.06	.10	.01		.18						.56	1.46			.50	.25	.15	.03		T.		5.96
Glenville ‖	Little Kanawha	.20			.62	.16	.23	.42		.05	T.		.60			.07			.26				1.34				.74	.28					4.97
Grafton ‖	Monongahela	.27		.10	.46	.70	.05	.17			T		.28		.30				T.			1.37	1.12		.35		.38		.28		T.		5.83
Lost Creek	do		T.	.38	.76		1.13			.35			.20									1.85	T.		T.	.58		.07			.20		5.52
Mannington	do	.22	.82	.21	.60	.01	1.59			.06			.24			.04			T.		.20	1.35	.02		T.	.78		.16			.23		6.53
Morgantown	do	T.	T.	.62	T.		2.50					T.	T.			.56					.14	1.38				1.32		.15			.09		6.76
Moundsville ‖	Ohio	.11		.03	.14	2.54	.29	.25				.24	1.01						.26			1.52	.36			.36	.65	.22	.05		.27		8.30
New Cumberland ‖	do	T.			.08	.69	.59	.01		.11		.25	.24					.01	.35			1.35	.48			.18	.24	.03			T.		4.61
New Martinsville	do			.60	.85	.45	1.45					.10				.05					.05	1.95			.10	.70		.10			.25		6.65
Parkersburg ***	Ohio	.07		.75	.04		.66			.84		.19						.14	.10		.53	.41	.01		.10	.44	.01	.03		.02	.13		4.47
Parsons	Monongahela	.25	T.	T.	*		*		*	*	*	T.	*	*							*	*			T.	*		*					5.08
Philippi	do		T.	.35	.62		1.26	T.	T.	.09	T		.46					T.	T.			1.69	.09		T.	.58	.02	.46			.22		5.84
Pickens	do			.23	2.05		.74				.50	T.	.18						.36			1.40				.44		.34			.70		6.94
Rowlesburg ‖	do	.36		.08	.58	.38	1.46	.12		.10	.08	T	.15		.12				.03			.30	1.20			.20	.65	.28	.05				6.14
Saint Marys ‖	Ohio			.18	.60	.17	.03	1.10			.10											.45	.70			.70	.36	1.06			.12		5.57
Smithfield ‖	Fishing Creek	.05		.04	.73	.51	.01	.52					.07			.63			.02			.61	1.00			.62	.25	.11	.01		.04		5.22
Stony River Dam ‖	Monongahela	.31			.15	.04	.20	.16			.33	.10				.15						.70	1.10				.25	.65	.05		.30		4.49
Terra Alta	do		.01	.15	.25	.22	1.40			.20		.20	.20			.11		.12			.06	1.80				1.05		T.	T.		.22		5.99
Wellsburg	Ohio	T.	.05		.53	.04	.23			.16		.85							.42		.63	2.26				.26			.25		.25		5.96
Weston	Monongahela	.01	.11	.20	.73		.83			.02			.22			.03		.02	.10			1.22			T.	.65		.21	.03		.20		4.58
Wheeling ‖	Ohio	.25	T.	T.	T.	1.02		.05		T.		.14	1.50						.13			2.98	.50			.15	.35	.38	.01		.03		7.49
Southern Division.																																	
Bancroft ‖	Great Kanawha	.29	.02		.24		.11	.03		.46	.05		.25						.13			.07	.80			.23	.12	.12	.15		.07		3.14
Beckley	do			.73						.20								1.00															1.93
Bluefield	do				.62	.04		.42		.24	.05	.18	.12						.14	.07	.02	.11	.32			.02	.13	.06		.06	.23		2.83
Camden-on-Gauley ‖	do			.20			.10			.20										.22	.80	1.00			.80			.22			.10		3.64
Charleston ‖	do				.93	T.	.60	.10											.30				.68			.17		.25	.12		.60		3.75
Clay ‖	do		.03		.74		.10	.07											.90			.92	.97				.28	.15	.05	.10			4.31
Cuba	Sand Creek	T.	T.	.25	.20	T	.15			.50		.20						.15			T.	.10			.50	.60		.15		.20	.10		3.10
Dam 19 O. R. ‖	Ohio	.32	T.	.08	.68	T.	T.	.48			.38	.34							.78			.40	.62			.65	.04	.04			.14		4.95
Dam 20 O. R. ‖	do			.40	.66	.01		.76		.08		.15	.18						.49			.65	.43			.60	.10	.14			.24		4.87
Dam 22 O. R. ‖	do				.45			.65			.42		.30						.30			.10	.60			.10	T.	.20					3.12
Dam 26 O. R. ‖	do			.16	.75	.16		.24											.75				1.00			.09		.27			.16		3.58
Gary ‖	Big Sandy	.04			.08	.54	.16	.20	.01	1.54	.16	.02							.48	.32		.03	.22		.01	.03	.18	.06	.02		.21		4.31
Green Sulpr. Spgs.	do																																.....
Hinton ‖	do			T.	.10			.18		.32		T.				.20			.06	.80		.04	.20			.06	.12	.40	.34	.06	.24		3.12
Huntington ‖	Ohio				.84		.62	.04					.54						.06			.04	.84		.04	.42	.04	.42	.06		.62		4.58
Kanawha Falls ‖	Great Kanawha							.22			.10		.22						.35	.13							.30						1.32
Kayford ‖	do		.21		.59	.19	.03			.05		.15				.06			.28	.46			.96			.03	.20		*	.13			3.34
Lewisburg	do			.24	.02			T.		.22	.07	.06	.58			.27			.25		.21	.63	.02		T.		.24	.41		.19	.22		3.63
Logan	Guyandotte																																.....
Marlinton	Great Kanawha	.18	.05	.96	.18		.06			.11	.07	.03				.04			.62		.28	.34				.08	.03	.16	.12	T.	.14		3.45
Miller ‖	Meadow Creek	.05			.94			.26			.19		.35			1.20			.97	.20			.58				.07	.09	.13		.14		5.17
Point Pleasant ‖	Ohio				.60		.06	.15					.45						.60		.17	.83	.02			.17		.18		.30	.18		3.71
Powellton	Great Kanawha			.20									.30					*	*	.80		.55	.15				.15	.15			.30		2.60
Raleigh ‖	do	T.			.57	.03	.05	T.		.65	T.		.10	T.	.20				.48	.27		.58	T.			.05	.10	.38	.02		.13		3.61
Renick	do		.64		.50						2.00					.50			.55			.45	.20						.35		.20		5.39
Robertsburg ‖	do	.26	.14	.17	.47		.25	.15					.25						.64			.06	.80			.25		.50	.05		.15		4.14
Ryan	do		T.	.15	.07	T.	.40			.34		.15						.02	.38		.51	1.69			T.	.39		.22		.44	.15		4.91
Sharples ‖	Coal River						.45	.38												.65			1.33				.30	.52			.62		4.25
Spencer ‖	Little Kanawha				.60		.60	.55					.90						.30					1.30				.20	.30				4.75
Sutton	Great Kanawha			.85	.12		.65											.76				.40				.30					.84		3.92
Union	do		.34	.33						.30									.47			.23					.37	.53		.22	.30		3.09
White Sulphur Spgs.	do	.02		.05	.05	.10	.03	.02		1.50		.50	.15						.75		1.00	2.00			.05		.25	.40	.03	.10	.02		7.02
Williamson ‖	Big Sandy	.15		.28	.05	.26	.20	.22		.05	.26		.06			.04			.41	.28		.07	1.10			.40	.12	.22	.03		.02		4.22

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for September, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	81	87	78	87	84	85	85	78	80	84	81	79	80	82	80	80	85	79	76	80	78	72	75	75	71	67	76	78	81	74	....	79.3
	Minimum	58	57	62	64	64	62	58	53	55	54	58	60	53	44	57	55	57	65	42	42	55	58	50	50	54	39	48	47	45	48	....	53.8
Brandywine	Maximum	90	92	91	96	89	87	86	80	82	83	82	81	83	84	85	87	90	92	91	80	85	86	82	84	83	80	75	70	85	76	....	84.4
	Minimum	62	65	60	59	65	60	60	55	58	60	60	57	52	54	49	54	58	60	59	45	48	54	50	49	50	45	48	56	53	50	....	55.2
Burlington	Maximum	89	88	85	85	85	84	81	82	82	85	87	82	84	83	83	80	90	83	78	77	79	80	76	77	68	67	71	80	83	73	....	80.9
	Minimum	61	64	65	66	68	70	66	51	62	62	61	63	57	50	64	61	62	65	49	60	60	53	48	55	45	48	52	57	50	55	....	58.3
Martinsburg§	Maximum	91	93	84	89	79	87	83	83	84	87	89	88	84	83	86	80	94	85	78	81	82	81	81	79	80	72	71	85	85	80	....	83.5
	Minimum	65	65	68	68	70	70	66	59	63	65	65	68	65	58	61	65	67	69	56	58	60	61	60	53	54	52	52	57	59	62	....	62.0
Moorfield	Maximum	....	....	90	89	91	87	86	84	85	88	90	88	87	88	88	84	93	87	81	82	87	85	86	85	81	75	80	88	88	82	....	85.9
	Minimum	....	....	62	60	60	62	62	62	55	58	57	58	57	52	62	70	71	77	69	72	59	58	42	52	50	50	61	62	68	56	....	60.1
Piedmont	Maximum	90	92	85	89	87	87	83	82	84	84	88	83	85	82	84	83	89	82	88	78	80	78	79	78	77	70	70	82	84	87	....	83.0
	Minimum	62	61	65	65	68	67	60	57	61	62	62	63	60	52	64	61	62	71	48	52	62	54	54	50	60	47	54	61	53	57	....	59.3
Romney	Maximum	95	94	88	89	87	90	86	83	85	90	91	86	87	86	87	83	92	86	79	82	87	83	84	81	72	70	73	86	90	80	....	85.1
	Minimum	62	65	64	66	67	68	62	64	61	60	63	62	57	51	63	61	62	73	51	51	55	52	47	56	45	43	54	56	52	56	....	58.3
Upper Tract	Maximum	91	90	91	92	89	88	86	84	84	....	81	80	80	....	88	88	88	....	....	88	88	85	83	80	80	80	80	81	81	80	....	84.8
	Minimum	60	60	61	61	62	63	60	58	57	....	59	57	56	....	52	51	51	....	....	50	50	51	51	49	60	61	50	48	51	51	....	55.4
Northern Division.																																	
Bens Run	Maximum	89	92	79	83	90	82	83	88	87	88	87	80	85	90	88	84	88	82	78	85	82	80	84	77	75	73	78	81	85	73	....	83.2
	Minimum	67	68	69	69	70	68	58	60	67	66	68	64	61	58	66	61	65	50	54	56	67	62	56	55	62	49	57	64	57	57	....	61.7
Buckhannon	Maximum	85	86	85	82	84	80	80	82	80	82	81	76	78	82	81	80	86	78	72	82	86	74	78	76	71	74	70	72	79	74	....	79.2
	Minimum	65	65	66	65	64	68	62	64	65	62	65	62	58	54	65	59	64	67	50	52	65	60	60	51	59	55	50	62	54	50	....	60.3
Cairo	Maximum	91	90	80	83	90	83	84	88	89	89	87	85	86	88	86	82	91	80	79	87	82	80	83	87	73	71	76	81	85	76	....	83.7
	Minimum	65	66	65	67	67	70	58	57	64	64	67	60	59	52	64	64	57	64	49	58	52	56	50	50	60	45	56	61	51	56	....	59.1
Creston	Maximum	92	92	83	82	90	87	85	89	88	91	90	85	85	92	86	91	79	81	78	88	83	82	83	77	75	70	88	85	88	73	....	84.6
	Minimum	66	67	66	67	66	68	60	60	65	64	67	61	60	52	65	64	66	50	50	55	66	58	53	53	61	48	58	63	55	57	....	60.4
Elkins	Maximum	85	84	78	83	85	80	80	80	76	79	79	77	80	83	80	82	85	77	74	83	84	74	76	74	75	69	72	76	81	68	....	78.6
	Minimum	64	64	64	66	66	64	62	59	62	60	64	59	56	52	61	60	61	56	51	49	64	54	51	51	57	47	55	56	53	52	....	58.0
Fairmont§	Maximum	92	93	81	86	94	89	85	88	88	88	88	82	86	89	85	86	90	84	77	84	78	80	82	78	77	72	82	82	83	70	....	84.0
	Minimum	66	66	66	68	70	71	59	57	60	64	68	64	57	56	59	60	62	67	52	53	56	58	61	61	62	56	60	62	63	63	....	61.6
Glenville	Maximum	96	94	88	88	94	90	89	92	91	92	92	93	91	92	92	91	94	87	85	91	86	84	87	85	79	79	77	86	90	85	....	83.7
	Minimum	66	67	65	66	67	68	63	59	64	63	64	62	63	54	63	60	60	65	51	51	65	56	53	55	60	49	57	62	55	56	....	60.3
Grafton§	Maximum	92	87	81	82	90	87	85	89	89	84	84	85	85	90	86	89	92	83	79	81	85	81	83	78	71	71	76	84	87	67	....	83.4
	Minimum	63	65	65	67	69	70	59	59	64	63	66	63	60	63	61	60	63	68	49	50	63	56	52	51	60	48	56	60	53	56	....	60.2
Lost Creek	Maximum	89	90	80	82	88	85	81	87	85	86	84	81	84	88	86	84	85	88	90	85	87	77	80	76	75	70	74	80	82	75	....	82.8
	Minimum	62	63	64	67	67	68	58	58	63	60	66	59	58	55	50	56	55	54	50	47	52	57	54	58	59	45	55	60	51	55	....	57.5
Mannington	Maximum	86	85	78	82	85	79	79	82	83	84	84	79	80	83	82	81	87	79	72	81	77	76	77	74	73	73	72	79	81	73	....	79.5
	Minimum	64	65	64	68	69	68	56	56	62	63	66	62	56	52	64	59	62	66	47	52	63	57	51	48	63	45	54	60	51	57	....	59.0
Morgantown	Maximum	87	90	80	85	88	....	81	86	86	87	88	81	82	86	85	82	89	90	73	85	76	79	78	78	73	69	74	81	83	77	....	82.0
	Minimum	67	68	70	67	....	....	56	61	67	65	66	65	57	54	65	62	66	64	48	55	65	60	59	52	62	46	57	65	59	55	....	60.8
New Cumberland§	Maximum	90	91	86	84	88	78	83	86	89	87	87	84	81	84	83	82	87	70	75	75	82	80	77	83	72	72	77	80	83	72	....	81.6
	Minimum	67	69	68	72	70	65	54	56	57	65	65	64	53	55	57	58	62	51	53	57	60	61	57	49	51	46	47	54	57	59	....	58.6
New Martinsville	Maximum	91	91	89	84	93	97	91	89	86	90	90	85	87	90	89	86	90	82	76	83	83	82	85	79	74	74	80	83	88	79	....	85.6
	Minimum	68	68	68	68	70	67	57	59	65	65	67	64	59	57	66	61	64	61	62	57	65	62	55	55	62	48	55	64	56	57	....	61.7
Parkersburg	Maximum	90	91	80	82	90	83	81	87	86	88	86	81	82	89	85	82	90	79	78	87	82	80	80	76	73	69	79	81	85	73	....	82.5
	Minimum	69	69	70	70	70	68	62	63	69	68	69	66	64	58	66	64	69	62	55	59	66	63	60	56	57	50	59	64	60	50	....	63.2
Parsons	Maximum	97	93	97	90	91	80	86	90	86	87	89	82	87	82	87	93	85	75	78	87	85	82	85	76	75	76	70	79	80	68	....	83.8
	Minimum	57	65	52	58	60	62	62	64	55	57	61	62	63	61	60	61	58	49	48	49	59	62	52	50	51	56	58	57	56	44	....	57.0
Philippi	Maximum	86	88	79	84	86	82	82	85	82	85	85	80	82	85	83	83	86	79	76	86	82	75	80	77	77	70	74	79	83	75	....	81.2
	Minimum	55	65	66	66	66	67	60	61	57	62	62	61	58	57	64	57	65	66	49	54	56	59	55	52	52	45	55	62	58	52	....	58.8
Pickens	Maximum	86	85	85	80	86	83	78	84	80	84	79	79	81	83	82	84	85	77	78	83	83	72	78	73	72	72	70	76	83	67	...	79.6
	Minimum	62	60	60	62	62	60	59	57	60	57	60	55	52	50	56	52	55	53	47	50	59	52	50	49	59	47	57	52	51	42	....	54.9
Terra Alta	Maximum	82	82	72	74	78	78	71	77	75	78	74	72	77	78	71	77	77	75	67	77	77	75	78	74	66	68	69	70	75	71	....	74.6
	Minimum	61	61	64	65	66	63	54	56	58	55	59	61	53	48	59	55	58	64	12	47	55	56	52	43	54	53	55	62	45	50	....	55.8
Wellsburg	Maximum	88	89	86	84	89	80	82	83	89	86	86	81	82	86	84	81	86	81	74	76	80	78	79	81	73	70	71	78	82	78	....	81.6
	Minimum	63	65	65	66	69	67	52	51	60	63	63	64	53	53	59	58	62	52	49	55	61	56	53	47	61	43	50	51	53	56	....	57.3
Weston	Maximum	88	88	81	84	90	85	83	86	85	87	84	81	85	88	86	85	90	81	78	87	82	80	83	77	74	71	74	81	85	75	....	82.8
	Minimum	67	66	66	68	69	68	64	62	66	63	69	61	61	54	65	59	64	68	50	52	65	59	56	52	64	48	58	65	55	56	....	61.3
Wheeling§	Maximum	95	94	85	84	94	86	90	89	95	92	94	87	90	90	89	85	91	84	80	85	84	85	88	83	70	74	78	83	87	82	....	86.4
	Minimum	66	67	68	70	69	69	55	57	59	66	67	65	57	57	57	60	64	62	52	52	62	59	64	52	54	48	48	47	58	57	....	59.6
Southern Division.																																	
Bluefield	Maximum	89	88	85	79	84	83	79	80	78	82	82	86	84	83	83	87	86	83	82	83	81	78	78	74	75	70	72	77	80	77	....	80.8
	Minimum	62	62	62	62	62	62	63	64	66	60	62	64	54	57	64	54	65	56	53	61	65	59	54	54	60	64	60	59	53	52	....	59.8
Charleston	Maximum	90	91	89	90	92	90	90	90	89	90	91	90	92	92	91	90	93	92	93	90	89	89	87	89	82	85	88	82	84	81	...	89.0
	Minimum	58	60	59	61	60	60	61	62	67	68	62	60	61	62	61	63	65	63	62	60	58	60	65	60	58	59	62	60	61	60	....	61.3
Gary§	Maximum	92	91	87	82	89	86	85	83	85	86	87	84	88	88	86	91	91	75	85	86	88	81	81	75	78	74	76	82	85	71	....	83.9
	Minimum	64	62	62	62	68	66	66	64	64	65	65	66	61	60	61	59	58	64	61	58	63	60	53	55	58	64	62	59	57	56	....	61.4
Green Sulphur Spgs	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Hinton §	Maximum	92	93	90	86	94	92	87	86	82	86	90	89	88	95	90	95	93	79	90	86	89	87	84	71	78	69	70	84	88	95	....	86.6
	Minimum	65	66	65	64	64	65	65	65	65	65	65	64	62	60	60	61	59	60	57	56	57	60	55	55	58	59	59	59	56	55	....	60.9
Huntington §	Maximum	90	88	80	81	88	81	79	83	84	85	84	80	82	78	84	94	90	77	77	84	83	76	80	76	76	70	76	78	81	65	....	81.0
	Minimum	69	69	70	70	67	69	69	66	68	68	70	67	65	60	60	62	64	70	55	58	65	61	63	63	65	55	56	62	61	58	....	64.2
Lewisburg	Maximum	89	86	83	84	87	85	88	83	80	84	83	82	85	86	83	88	88	80	81	86	86	79	79	76	75	70	73	77	81	65	....	81.7
	Minimum	60	61	62	58	61	64	60	63	63	61	61	58	55	55	61	56	57	63	47	52	60	53	45	52	53	60	55	59	52	51	....	57.3
Marlinton	Maximum	82	80	84	78	80	78	76	80	76	78	76	74	74	80	76	78	82	74	72	76	78	70	72	70	70	66	64	70	68	56	....	74.6
	Minimum	58	58	60	58	58	60	54	56	56	56	54	52	50	46	56	52	56	50	44	44	56	46	40	50	56	48	48	52	50	42	....	52.2
Point Pleasant	Maximum	96	96	88	85	84	93	88	92	92	88	91	85	88	94	91	91	96	89	81	92	84	81	87	77	79	73	79	87	88	72	....	87.0
	Minimum	60	69	69	69	70	66	60	61	61	61	61	63	60	55	64	58	65	55	50	55	66	60	57	56	65	47	59	62	58	56	....	60.6
Powellton	Maximum	89	90	90	....	....	92	....	90	....	....	....	90	90	92	88	86	....	....	84	90	91	85	83	....	....	78	77	82	88	80	....	86.8
	Minimum	52	53	60	....	....	65	....	64	....	....	....	62	61	58	64	61	....	....	56	56	56	55	54	....	....	55	55	56	55	55	....	57.7
Robertsburg§	Maximum	91	91	81	83	92	89	85	91	91	90	90	86	87	92	85	90	93	79	84	87	85	83	84	76	75	73	82	85	86	69	....	85.2
	Minimum	68	68	66	64	65	68	64	63	64	65	67	62	62	55	60	58	64	64	51	55	64	57	56	57	64	51	54	63	58	56	....	61.1
Ryan	Maximum	94	93	81	82	93	89	89	89	88	89	88	83	87	92	91	91	93	88	82	89	78	81	87	82	88	77	78	83	86	78	...	86.3
	Minimum	65	65	63	65	63	68	62	62	65	62	61	58	57	50	62	54	60	65	48	52	65	57	52	55	60	48	58	60	54	55	...	59.1
Spencer §	Maximum	91	91	84	87	93	86	84	88	88	87	85	80	84	90	86	83	91	79	77	90	80	82	80	84	85	75	71	75	82	73	....	83.7
	Minimum	65	67	65	66	65	68	66	61	60	62	67	64	60	52	65	65	65	67	51	53	59	58	59	55	54	64	49	59	61	56	..	60.9
Union	Maximum	90	89	88	85	87	86	88	84	78	86	87	86	86	90	86	90	90	89	85	86	87	82	82	80	79	78	71	81	82	72	....	81.3
	Minimum	61	59	59	57	58	65	62	62	62	60	61	59	57	54	62	54	59	58	49	55	62	55	46	49	50	53	56	56	52	52	....	56.8
White Sulphur Spgs§	Maximum	91	89	83	89	88	85	80	78	85	84	85	86	87	85	88	85	82	88	83	85	80	80	71	70	68	79	79	81	68	....	....	82.1
	Minimum	60	62	60	60	63	61	62	62	63	62	60	57	55	61	59	56	58	55	50	64	55	48	51	59	60	49	55	55	53	47	...	57.5
Williamson §	Maximum	86	86	84	78	85	81	79	83	82	82	84	80	81	85	83	83	82	75	76	81	84	75	77	78	71	67	73	75	78	65	....	79.3
	Minimum	70	70	68	68	62	68	67	68	69	69	70	69	65	65	65	67	65	65	66	61	61	62	63	60	61	62	61	62	65	62	61	65.1

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXIX. PARKERSBURG, W. VA., NOVEMBER, 1921. No. 11.

GENERAL SUMMARY.

The past month was one of the warmest and the wettest of November State record. Measureable amounts of precipitation were received on thirteen days as an average. The snowfall, however, was considerably below the normal and was unimportant in the agricultural districts. November was warmer in only three years since 1890, or in 1896, 1902, and 1909. While the precipitation was favorably distributed throughout the month and over the State, moderate to heavy rains during the last week caused high stages in the rivers for November. The conditions were generally favorable for outdoor work. Pastures also kept in excellent condition. At the close of the month corn was exceptionally dry for the season and winter grains were making good growth.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.08 and 30.09 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.53 inches on the 20th, and 29.49 inches on the 1st. Elkins, 30.51 inches on the 20th, and 29.51 inches on the 1st.

TEMPERATURE.

The monthly mean for the State, determined from 50 stations, was 46.1°. The departure from the normal for 44 stations having ten or more years of record was +3.5°. From the 1st to the 15th the weather was generally cool, although the temperature was slightly above the normal on the 1st, 4th, 7-9th, and 14th. After the 15th the temperature was continuously above the normal. The highest readings occurred on the 18th and the lowest on the 13th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 81 per cent; 8 p. m., 74 per cent. The November averages for the same hours for the past 33 years are 81 and 72 per cent, respectively. Elkins, 8 a. m., 85 per cent; 8 p. m., 77 per cent. The November averages for Elkins for the same hours for the past 21 years are 84 and 73 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 73 stations, was 5.99 inches. The departure from the normal for 49 stations having ten or more years of record was +3.13 inches. Rain occurred in most districts on the 1st and daily from the 9th to the 20th and the 23d to the 28th, the greatest amounts being recorded on the 1st, 16-17th, 24th, and 27-28th. Snow flurries were observed at a few of the more elevated stations on the 2d, 3d, and 10th, and light snow was recorded in most localities on the 12-13th. Light snow also fell at several stations on the 28-29th.

RIVERS.

Owing to continued moderate to heavy rains from the 24th to the 28th, the rivers were about bankfull at the close of the month. The following crest stages were noted: Marietta, 34.0 feet; Parkersburg, 35.9 feet; Point Pleasant, 43.5 feet; Glenville, 24.1 feet; Creston, 20.3 feet; Charleston, 21.4 feet.

WIND.

The average wind velocity at Parkersburg was 6.3 miles per hour, or 0.3 mile above the November average for 31 years. The average at Elkins was 5.5 miles per hour, or 1.2 miles above the November average for 22 years. The highest velocity at Parkersburg was 28 miles per hour from the northwest on the 19th, and at Elkins 25 miles per hour from the west on the 4th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 37 per cent of the possible amount, or 1 per cent above the November average for 24 years. The average at Elkins was 34 per cent, or 5 per cent below the November average for 22 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bancroft, 8th, 22d, and 30th; Bluefield, 10th; Bruceton Mills, 14th; Charleston, 8th, 23d, and 30th; Creston, 11th, 22d, and 30th; Elkins, 8th; Grafton, 7th; Hinton, 8th, 11th, 18th, 22d, and 30th; Marlinton, 8th, 18th, and 22d; Morgantown, 8th, 16th, and 22d; Moundsville, 9th; Parkersburg, 1st; Piedmont, 1st; Raleigh, 30th; Rowlesburg, 8th, 22d, and 27th; Stony River Dam, 2d, 8th, 14th 27th, and 28th; Terra Alta, 2d and 14th; Wellsburg, 9th, 22d, and 27th; Weston, 1st; Wheeling, 8th, 13th, 21st, and 22d.

Halos, lunar: Parkersburg, 18th; Pickens, 8th.

Thunderstorms: (dates and number of stations reporting): 1st, 3; 2d, 1; 9th, 1; 16th, 14; 17th, 13; 18th, 1; 24th, 9; 26th, 1; 27th, 1; 29th, 1.

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	42.5	80	8	3.04	......	......	......	......	......	......
1892	41.7	81	3	3.10	......	......	......	......	......	......
1893	41.4	74	3	2.12	3.22	0.47	......	13	6	11
1894	39.8	82	5	2.11	3.47	0.25	......	12	6	12
1895	44.6	87	12	2.35	4.00	0.20	......	12	8	10
1896	48.1	80	10	3.50	5.07	1.56	......	10	8	12
1897	45.0	76	13	4.45	7.15	0.30	......	9	9	12
1898	41.4	75	− 3	2.84	4.74	1.00	......	9	11	10
1899	45.6	76	14	1.93	3.49	0.20	T.	11	9	10
1900	45.5	86	9	5.20	8.88	2.71	2.8	8	8	14
1901	38.0	79	7	2.51	5.35	1.23	4.3	8	6	16
1902	50.3	83	12	3.27	4.56	1.23	0.7	11	6	13
1903	38.0	80	− 4	2.46	4.98	0.67	4.6	11	8	11
1904	41.2	75	9	0.64	3.05	0.07	1.4	12	7	11
1905	41.8	74	10	2.44	5.67	0.67	T.	13	7	10
1906	44.2	84	13	2.39	5.50	0.35	2.2	15	5	10
1907	41.8	74	13	3.40	7.05	1.41	1.0	10	8	12
1908	43.3	81	0	1.14	2.73	0.48	5.2	15	8	7
1909	49.1	84	12	1.34	3.85	0.23	0.2	14	7	9
1910	37.3	75	5	1.95	4.41	0.66	1.8	8	7	15
1911	40.5	83	7	2.74	5.54	1.27	2.0	10	7	13
1912	42.8	78	2	1.69	4.08	0.40	0.9	14	7	9
1913	44.5	82	− 1	4.49	7.50	0.61	13.4	12	5	13
1914	42.6	84	2	1.32	2.27	0.50	2.9	16	6	8
1915	45.2	85	11	3.06	5.99	1.15	1.1	13	8	9
1916	43.8	81	8	1.77	3.07	0.75	0.3	16	5	9
1917	39.6	78	0	0.89	3.65	0.05	1.5	16	4	10
1918	42.9	79	12	1.89	4.60	0.64	0.2	13	5	12
1919	44.4	80	10	4.51	7.53	0.85	0.3	12	6	12
1920	41.6	80	5	3.21	5.69	1.47	4.1	9	4	17
1921	46.1	85	11	5.99	8.81	2.52	0.8	7	6	17
Means and extremes	43.1	87	− 4	2.70	8.88	0.05	2.2	12	7	11

Climatological Data for November, 1921.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	20	43.9	+ 5.7	76	18	20	6	39	6.24	+3.78	1.31	2.0	17	8	10	12	w.	U. G. Clark.
Brandywine	Pendleton	......	5	46.0	......	76	19	18	11	44	3.90	......	1.55	0	6	15	3	12	s.	Elmer Keister.
Burlington	Mineral	875	27	43.8	+ 1.7	75	19	21	16	42	3.10	+0.50	1.52	0	6	7	11	12	nw.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	32	......	......	......	......	......	......	......	3.59	+0.97	1.15	T.	12	......	......	......	se.	S. W. Lightner.
Martinsburg	Berkeley	435	29	44.8	+ 2.1	76	18	27	16†	38	3.04	+0.32	0.71	0	11	11	9	10	e.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	25	......	......	85^{e}	18	......	......	......	3.09	+0.83	0.70	0	10	14^{e}	0^{e}	11^{e}	......	M. S. Henkel.
Piedmont	Mineral	919	8	44.4	......	78	19	24	6†	38	4.43	......	1.15	T.	12	10	5	15	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	23	46.4	+ 3.7	82	18	20	16	50	2.52	+0.04	0.55	0	8	8	11	11	......	Geo. E. Arnold.
Upper Tract	Pendleton	1,230	22	45.0^{d}	+ 1.4	68^{d}	19	20^{d}	12	38^{d}	3.12	+0.91	1.12	0	7	3	6	21	w.	J. M. Mallow.
Wardensville	Hardy	1,200	3	43.7^{b}	......	80^{h}	18	19	9	55^{h}	2.91	......	0.70	0	7	6^{d}	8^{d}	12^{d}	e.	Luther F. Sutton.
Averages and	extremes	......	....	44.8	+ 2.9	85	18	18	11	55	3.59	+1.05	1.55	0.2	10	10	7	13	w-nw	
Northern Division.																				
Bens Run	Pleasants	622	19	47.6	+ 4.3	81	18	23	13	36	6.82	+4.27	1.45	1.0	12	13	1	16	......	J. D. Riggs.
Bruceton Mills	Preston	1,549	1	......	......	......	......	......	......	......	6.74	......	1.10	4.9	17	2	7	21	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	24	47.6	+ 6.2	78	18	21	13	38	7.70	+4.30	1.10	1.5	17	10^{a}	4^{a}	15^{a}	......	H. A. Darnall.
Cairo	Ritchie	680	22	46.0	+ 2.2	80	18	20	13	38	6.45	+3.78	1.75	0.8	13	6	4	20	......	O. C. Hess.
Cheat Bridge	Randolph	3,558	3	......	......	......	......	......	......	......	8.45	......	2.35	6.0	15	6	9	15	......	H. F. Cromer.
Cortland	Tucker	3,300	10	......	......	......	......	......	......	......	4.81	......	1.40	......	8	2	19	9	......	G. W. Harmon.
Creston	Wirt	701	19	47.9	+ 4.2	82	18	20	13	41	7.40	+4.90	1.65	1.0	14	8	1	21	w.	J. M. Reed.
Dam 10 Mon. R	Marion	786	0	......	......	......	......	......	......	......	7.22	......	1.97	T.	16	......	......	......	s.	Lockmaster.
Dam 15 Mon. R	Monongalia	839	0	......	......	......	......	......	......	......	7.58	......	1.76	T	14	......	......	......	w.	Lockmaster.
Davis	Tucker	3,093	12	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Ross C. Male.
Elizabeth	Wirt	646	9	......	......	......	......	......	......	......	6.82	......	1.00	......	12	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	20	44.8	+ 5.2	78	18	17	13	40	5.30	+2.44	1.01	2.4	18	3	8	19	w.	U. S. Weather Bureau.
Fairmont	Marion	883	15	44.8	+ 2.4	78	18	24	13	36	7.19	+4.47	1.44	1 0	16	11	3	16	w.	Creed E. Bolyard.
Glenville	Gilmer	738	27	48.4	+ 4.8	84	18	19	13	44	7.49	+4.51	1.70	0.2	14	11	3	16	w.	Howard R. Brannon.
Grafton	Taylor	1,000	28	44.8	+ 1.9	77	19	21	13	38	5.62	+2.65	......	T.	10	3	12	15	n.	W. C. Byers.
Lost Creek	Harrison	1,026	23	46.2	+ 4.0	81	18	21	6†	42	7.60	+5.10	2.36	2.0	13	8	5	17	w.	Allen Smith.
Mannington	Marion	974	18	45.8	+ 4.5	81	18	22	6†	39	7.86	+5.36	1.50	0.9	19	9	2	19	e.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	28	47.0	+ 3.6	81	18	23	13	31	5.94	+3.04	1.14	2.0	12	4	8	18	s.	Prof. E. L. Andrews.
Moundsville	Marshall	642	18	44.2^{f}	+ 0.8	80^{f}	18	22^{e}	13	35^{g}	6.68	+4.93	......	0.3	14	7^{e}	13^{e}	5^{e}	nw.	G. W. Wright.
New Cumberland	Hancock	987	23	42.9	+ 1.6	75	18	22	13†	33	5.63	+3.00	0.75	5.5	17	5	2	23	n.	Geo. W. Derouin.
New Martinsville	Wetzel	634	27	47.8	+ 3.3	81	18	23	13	38	7.48	+4.84	1.45	T.	13	9	4	17	s.	Wm. Ankrom.
Parkersburg	Wood	638	34	47.2	+ 4.0	81	18	26	13	32	5.56	+2.73	1.41	0.6	14	8	4	18	se.	U. S. Weather Bureau.
Parsons ††	Tucker	1,656	21	46.6	+ 5.7	79	18	20	16	41	6.00	+3.46	......	3.0	......	12	1	17	......	J. W. Swisher.
Philippi	Barbour	1,149	24	46.5	+ 3.4	82	18	20	13	35	6.75	+3.96	1.19	0.5	17	8	3	19	w.	Prof. M. B. Pimm.
Pickens	Randolph	2,697	18	43.4	+ 2.8	75	18	11	13	42	8.51	+4.66	1.87	6.0	16	11	0	19	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	34	......	......	......	......	......	......	......	6.00	+2.92	1.38	1.0	16	......	......	......	w.	J. F. Pierce.
Saint Marys	Pleasants	577	12	......	......	......	......	......	......	......	6.59	+4.11	1.20	......	13	......	......	......	sw.	Wm. Hughes.
Smithfield	Wetzel	835	15	44.7	+ 3.6	80	18	21	13	44	8.09	+5.12	1.63	1.0	17	12	5	13	sw.	G. M. Whisler.
Stony River Dam	Grant	......	1	40.6^{a}	......	58^{a}	1†	22	12†	28^{a}	5.67	......	2.00	2.0	14	5	6	19	w.	A. C. Becker.
Terra Alta	Preston	2,612	20	42.8^{a}	+ 1.3	76	18	18^{a}	6†	37^{a}	4.46	+1.38	1.13	2.5	15	2	14	14	w.	Dr. C. O. Gorby.
Wellsburg	Brooke	1,225	20	44.3	+ 3.0	75	18	21	13	32	6.08	+3.01	1.06	2.5	14	8	4	18	......	George P. Pfister.
Weston	Lewis	1,026	25	48.4	+ 5.1	82	18	22	13	37	7.63	+4.40	1.49	1.0	19	6	7	17	ne.	Weston State Hospital.
Wheeling	Ohio	645	34	44.0	+ 1.9	79	18	23	13	46	6.34	+3.37	0.92	0.3	17	6	5	19	w.	Miss M. B. Forsyth.
Averages and	extremes	......	....	45.6	+ 3.4	84	18	11	13	46	6.72	+3.89	2.36	1.7	15	7	6	17	w.	
Southern Division.																				
Bancroft	Putnam	574	17	46.9	+ 2.4	82	18	23	13	41	7.71	+5.31	1.36	T.	17	7	0	23	se.	E. H. Morrow.
Beckley	Raleigh	2,440	21	47.5	+ 4.7	76	18	22	13	35	3.75	+1.36	1.45	0.2	12	6	9	15	sw.	E. E. Phipps.
Bluefield	Mercer	2,558	26	48.4	+ 4.0	76	18	20	13	37	2.89	+0.61	0.67	T.	17	9	9	12	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	6	......	......	......	......	......	......	......	7.95	......	1.89	2.0	8	6	0	24	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	18	49.9	+ 1.7	78	1	26	13	46	8.81	+5.84	1.92	0	12	5	0	25	e.	C. V. Lewis.
Clay	Clay	706	5	......	......	......	......	......	......	......	7.47	......	1.98	T.	14	......	......	......	......	Mark King.
Cuba	Jackson	650	19	48.7	+ 4.9	82	18	20	13	47	6.55	+4.35	1.40	T.	11	6	13	11	w.	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	5	......	......	......	......	......	......	......	7.33	......	1.22	0.6	13	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	5	......	......	......	......	......	......	......	6.91	......	1.07	0.6	16	......	......	......	......	Lockmaster.
Dam 22 O. R.	Jackson	538	6	......	......	......	......	......	......	......	7.01	......	2.00	T.	13	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	5	......	......	......	......	......	......	......	6.53	......	1.10	0	11	......	......	......	......	U. S. Engineer Office.
Evans	Jackson	606	9	......	......	......	......	......	......	......	7.59	......	1.50	T.	16	5	5	20	......	B. F. Sayre.
Gary	McDowell	1,426	5	47.7	......	81	18	22	13	43	5.63	......	1.10	T.	15	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	25	48.1	+ 5.4	80	18	20	13	45	5.22	+3.12	1.00	T.	8	8	3	19	w.	W. H. Gwinn.
Hinton	Summers	1,450	24	47.3	+ 3.3	83	18	21	13	46	4.10	+1.90	1.12	T.	13	6	2	22	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	27	47.0	+ 3.4	76	18	27	13	32	7.32	+4.61	2.70	T.	12	7	4	19	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	2	......	......	......	......	......	......	......	4.60	......	1.50	0	6	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	5	......	......	......	......	......	......	......	6.86	......	1.55	T.	17	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	21	45.6	+ 4.1	73	18	18	13	39	4.18	+1.52	1.42	T.	11	10	5	15	nw.	Geo. T. Argabate.
Logan	Logan	687	18	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	C. & O. R. R.
Marlinton	Pocahontas	2,131	22	38.3	+ 0.5	70	18	12	11†	38	4.44	+1.70	1.09	T.	13	4	11	15	sw.	S. L. Brown.
Miller	Fayette	......	1	......	......	......	......	......	......	......	7.56	......	1.75	T.	14	......	......	......	......	J. R. Bays.
Point Pleasant	Mason	553	28	48.2	+ 3.2	78	18	23	13	40	6.88	+4.13	1.50	T.	13	7	5	18	......	W. D. Holmes.
Powellton	Fayette	933	25	50.3^{k}	+ 5.6	82^{k}	18	24^{h}	13	51^{m}	3.99	+1.26	1.00	0	12	......	......	......	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	5	......	......	......	......	......	......	......	5.80	......	1.32	0.2	17	......	......	......	......	Raleigh Coal & Coke Co.
Renick	Greenbrier	1,653	5	......	......	......	......	......	......	......	7.53	......	3.18	0	12	......	......	......	......	Wm. B. Hill.
Robertsburg	Putnam	574	21	46.4	+ 3.2	81	18	22	13	53	6.54	+4.17	1.22	0	15	5	1	24	......	E. C. Brace, Jr.
Ryan	Roane	700	18	46.9	+ 4.0	83	18	19	13	46	5.30	+2.82	1.65	1.0	16	8	4	18	......	Wm. E. Ryan.
Sharples	Logan	......	1	......	......	......	......	......	......	......	4.89	......	1.60	0	8	......	......	......	......	C. E. Rippetoe.
Spencer	Roane	784	17	47.4	+ 3.8	80	18	21	13	46	5.64	+3.16	1.50	T.	10	1	11	18	......	A. M. McKown.
Sutton	Braxton	839	15	45.8	+ 2.0	65	18†	22	12	42	7.10	+3.14	1.60	2.0	12	15	1	14	......	C. B. Eakle.
Union	Monroe	2,250	17	49.4	+ 8.4	80	19	19	13	41	3.52	+1.53	1.77	0	7	......	......	......	......	Edward H. Shanklin.
White Sulphur Springs	Greenbrier ††	1,940	11	46.2^{a}	......	77^{a}	17	18	12	40^{a}	2.53	......	1.05	T.	10	19	8	3	......	J. M. Ayres.
Williamson	Mingo	660	21	48.0	+ 2.8	75	18	28	13	34	5.04	+2.45	1.52	0	15	13	3	14	w.	J. F. Keyser.
Averages and	extremes	......	....	47.3	+ 3.9	83	18	12	11†	53	6.02	+2.94	3.18	0.2	13	7	5	18	w.	
State averages and	extremes	......	....	46.1	+ 3.5	85	18	11	13	55	5.99	+3.13	3.18	0.8	13	7	6	17	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for November, 1921.

Stations.	Drainage-basin.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Panhandle Division.																																	
Bayard	Potomac	1.08	.19							.29	.05	.03	.20	.09	.17	.13	T.	.73		.20	.03			T.	1.31	T.	.32	.34	.92	.16			6.24
Brandywine	....do	1.55								.45			T.		T.			.50		T.	.50				.25		T		.65				3.90
Burlington	....do	.13								.43							.53	T.		T.					T.		.49	.52	1.00				3.10
Harpers Ferry ‖‖	....do	1.15	.01							.05	.50			T.	.05	.05		.41			.33				.10			.14	.63	.17			3.59
Martinsburg	....do	.32								.52			.06		.10			.36	.03	.55					.27		.07	.05	.71				3.04
Moorefield	....do	.45	.30								.02							.65			.60			.04	.15		.03	.15	.70				3.09
Piedmont	....do	1.15	.08							.29	.01	T.	T.	T.	T.		.42	.24		.08					.46		.16	.40	1.07	.07			4.43
Romney	....do	.45	.10										.55		.03			.45			.36				.18				.40				2.52
Upper Tract	....do	1.12	.10	.10						.50										.60				T.	.30		T.	T.	.40				3.12
Wardensville ‖‖	....do			.25	.38			.43							T.			.70										.62	.31		.22		2.91
Northern Division.																																	
Bens Run	Ohio	.60								.07	.23	.08	.33				.07	1.15		.27					1.45		.23	1.10	1.24				6.82
Bruceton Mills ‖‖	Monongahela	.22	T.			T.				.32	.10	.12	.26	.06	.35	.23	T.	.85	.05	.12	.17			T.	1.10		.39	.67	1.10	.63			6.74
Buckhannon	....do	1.05	.30	T.						.01	.01	T.	.20	.05	.28	.05	.30	.80		.30	.25				1.00		1.00	.50	1.10	.50			7.70
Cairo										.42	.25	.03	.28	T.	T.	.07	.54	.80	.03	.20				.09	1.75			.71	1.28				6.45
Cheat Bridge ‖‖		2.35	.28	T.						.37	.41	T.	.30	.10	.26			1.05			.68				.56	.48		.48	.53	.20	.40		8.45
Cortland ‖‖	Monongahela		.33								.63						1.40						.17		1.07		.70	.30	.21				4.81
Creston ‖‖	Little Kanawha	1.65	.15								.25		.22	T.	.11			1.12	.50		.35			T.	.36	.85	.10	.30	.71	.73			7.40
Dam 10, Mon. R.	Monongahela	.14	.04							.50		.21	.05	.04	.09		.65	.33		.23				.03	1.29		.59	1.04	1.97	.02			7.22
Dam 15, Mon. R.	....do	.86	.38								.56		.09		.05			.82	.28		.14				.04	1.18	.14	.36	.92	1.76			7.58
Davis ‖‖	Monongahela																																
Elizabeth ‖‖	Little Kanawha	1.00									.68		.18			.05		.90	.44		.19				.94	.42		.44	.87	.71			6.82
Elkins ***	Monongahela	.25	.25	.02						.31	.04	.10	.23	.02	.12		.95	.06		.37				.03	1.01		.17	.50	.71	.16	T.		5.30
Fairmont ‖‖	....do	.87	.25	.04						T.	.58	T.	.06	T.	.11	.10		.80	.26		.18				.12	1.20	.17	.30	.71	1.44			7.19
Glenville ‖‖	Little Kanawha	1.70	.15								.28		.15	T.	.29			1.02	.34		.14				.06	1.07	.06	.31	.72	1.20			7.49
Grafton ‖‖	Monongahela	.56		.27						.30			T.	T		T.		.90			.32				T.	1.27	*	*	*	2.00			5.62
Lost Creek	....do.	1.55	.12	T.						.20	T.	T.	.06	.05	T.		.70	.81		.10				.03	1.20		T.	.42	1.58	.78	T.		7.60
Mannington	....do	.98	.25	.01						.37	.20	.06	.25	.04	.04	.08	.06	1.15		.15	.05				1.50		.28	.48	1.48	.43			7.86
Morgantown	....do	.41	.15	T.						.35		T.	.15	.04	T.		T.	.86		.20				T.	1.05		.25	.71	1.14	.63			5.94
Moundsville ‖‖	Ohio	.83	.03								.38	T.	.34	T.	.01	.02		1.05	.26		.30				*	*	*	*	3.46				6.68
New Cumberland ‖‖	....do	.32	.55							.06	.32		.75	.36	.11	.16		.64	.29		.18				.22	.44	.38	.32	.37	.16			5.63
New Martinsville	....do	.60								.10	.25	.10	.40	T.	.05		.10	1.25		.35					1.45		.30	1.28	1.25				7.48
Parkersburg ***	Ohio	.01	T.							.24	T.	.09	.13		.01		.81	.67	.02	.15				.11	1.31		.46	.79	.76				5.56
Parsons	Monongahela																																6.00
Philippi	....do	.99	.38	.05						T.	.18	.10	.04	T.	.15			.96		.16	.18			.05	1.19	T.	.13	.73	1.17	.27	.02		6.75
Pickens	....do	.82	.29	T.						.33	.22		.18	.18	.18		.97	.10		.70				.13	1.87		.15	.48	1.78	.13			8.51
Rowlesburg ‖‖	....do	.15	.22	.05							.20		.10		.15	.20		.66	.15		.33				.14	1.38	.06	.49	1.14	.58			6.00
Saint Marys ‖‖	Ohio	.25	.02								.28		.40	.08				.70	.48						1.20	.70	.22	.55	.67	1.04			6.59
Smithfield ‖‖	Fishing Creek	1.46	.38	.02							.72		.47	.05	.05	.07		.78	.44		.27				.22	.32	.31	.34	.56	1.63			8.09
Stony River Dam ‖‖	Monongahela	2.00	.08							.12	.25	T.	.04	.04	.18			.72			.42				.10	.67		.30	.55	.20			5.67
Terra Alta	....do	.16	T.							.20			.18	.04		.17	T.	.85		.13	.10			T.	1.13	*	.25	.75	.25	*	.25		4.46
Wellsburg	Ohio	.64								.20	.40	.06	.60	.15	.05		.20	1.06		.25					.66		.56	.84	.41				6.08
Weston	Monongahela	1.07	.26	.02						.19	.18	T.	.22	.06	.14	.08	.30	.81		.17	.08			.03	1.24		.10	.56	1.49	.63			7.63
Wheeling ‖‖	Ohio	.75	.08	T.							.38	.01	.45	.01	.17	.10		.73	.47		.22				.29	.63	.22	.58	.92	.33			6.34
Southern Division.																																	
Bancroft ‖‖	Great Kanawha	1.36	.03							.05	.08		.05	.02	.02	.01		1.36	.79		.32				.65	.18	.01	.25	1.23	1.30			7.71
Beckley	....do	.03								.10	.13		.10	.28			.05							.20		.30	.05	1.00	1.45	.06			3.75
Bluefield	....do	.18	.10							.13	.16		.08	T.	.43	.02		.10	T	.34	.12			.01	.10	.05	.04	.22	.67	.14			2.89
Camden-on-Gauley ‖‖	....do	T.	T.											.08	.08		1.70	.20		1.20					1.10			1.70	1.89				7.95
Charleston ‖‖	....do	1.25	.15							T.	.25		T.		T.	.10	.10	1.44	.40		.35				.60	.55		T.	1.92	1.70			8.81
Clay ‖‖	....do	1.98	.30	.03						.02	.28		T.	.10	T.	.10		1.10	.25						.36	.35		.15	1.33	1.12			7.47
Cuba	Sand Creek	.30	T.							.15	.45	T.			T.		1.10	.90		.15				.10	1.00		.40	.60	1.40				6.55
Dam 19 O. R. ‖‖	Ohio	.70	T.							T.	.25		.24					1.04	.84		.26			.02	.42	1.22	.26	.78	.64	.66			7.33
Dam 20 O. R. ‖‖	....do	.60	.02								.32		.25	.04	.01			1.07	.67		.23			.15	.28	1.02	.10	.85	.60	.70			6.91
Dam 22 O. R. ‖‖	....do	.60								T.	.68		.10	T.	.05			2.00	.50					.09	.14	.85	.05	.20	.90	.85			7.01
Dam 26 O. R. ‖‖	....do	.73								.10	.40		.15					1.10	.80						.50		.30	.70	.85	.90			6.53
Evans	Ohio	.58	.05							.40		.60	.40	.02			.73	1.12		.19				.23	.72		.11	.36	1.50	.55	.03		7.59
Gary ‖‖	Big Sandy	.88	.28	.03						.50	.22		T.		.34	.11		.13	.02		.44				.13	.09		.45	1.10	.91			5.63
Green Sulpr. Spgs.	....do	.60								.62			T.	T.	.18		.42			1.00					.90		T.	.70	.80				5.22
Hinton ‖‖	....do	1.12	.02							.42	.12		T.	T.	.18	.10		.24			.68				.10	.06		.18	.64	.24			4.10
Huntington ‖‖	Ohio	1.00								.28	.22		.10		.02	T.		2.20	.50					T.	.58	.16		.60	.70	.96			7.32
Kanawha Falls ‖‖	Great Kanawha	1.50	.20							.10															.15				1.30	1.35			4.60
Kayford ‖‖	....do	1.13	.40	.05						.10	.14		*	.15	.04	.22		.39	.07		.45				*	.29		.33	1.55	1.55			6.86
Lewisburg	....do	.80								.39			T.	T.	.14		.07	.22		.42	.04				.11			.41	1.42	.16			4.18
Logan	Guyandotte																																
Marlinton	Great Kanawha	.06								.28			.22	T.	.28		.89	.06		.62	.22			.26	.34		.19	.90	.12				4.44
Miller ‖‖	Meadow Creek	1.75	.29							.25	.37	.05	T.	T.	.15	.26		.56			.62				.16	.15		.59	1.16	1.20			7.56
Point Pleasant ‖‖	Ohio	.40	T.							.38	.28	.04	.14	T.			.88	1.23		.22				.06	.89		.06	.80	1.50				6.88
Powellton	Great Kanawha	.67		.30	.01					.09	.09				.27	.11	.52	.20			.43				.30				1.00				3.99
Raleigh ‖‖	....do	1.31	.19	.03						.35	.15	T.	.05	.02	.22	.14	T.	.20	.04		.55				.09	.07	T.	.18	1.32	.89			5.80
Renick ‖‖	....do	3.18								*	.70				*	.20		.40			.70				*	.30	*	*	*	2.05			7.53
Robertsburg ‖‖	....do	.82	.05							.12	.37		.10		.15			1.22	.58		.10				.35	.33	.05	.15	1.00	1.15			6.54
Ryan	....do.	.38	.06							.10			.15	.02	.07	.02	.59	.86	.02	.16				T.	.63		.05	.32	1.65	.22			5.30
Sharples ‖‖	Coal River	1.17	.48												.45			.39							.32			.18	1.60	.30			4.89
Spencer ‖‖	Little Kanawha	1.50	.05								.20		T.	T.				1.00	.12		.10			T	.70		T.	.47	1.00	.50			5.64
Sutton	Great Kanawha	1.15	.33							.12			.30		.14		1.15			.35					.92		.12	.42	1.60	.50			7.10
Union	....do	.76								.05				.40				.17		.08				.29					1.77				3.52
White Sulphur Spgs.	....do	.01								.03			T.		.02		.15			.15				.05	.02		.05	1.00	1.05				2.53
Williamson ‖‖	Big Sandy	.86	.18							.08	.12		.15		.06	.20		.28	.06		.07				.06	.16		.10	1.14	1.52			5.04

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for November, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	62	58	41	54	51	57	55	55	49	50	42	40	34	46	46	54	65	76	72	56	51	62	68	74	60	57	57	57	37	47	....	54.4
	Minimum	50	34	33	35	33	20	30	28	39	30	30	25	26	28	33	21	50	41	51	33	31	25	29	43	31	29	43	36	32	32	....	33.4
Brandywine	Maximum	65	60	55	62	65	55	60	64	68	62	55	44	45	50	56	55	70	75	76	63	57	70	65	64	60	60	50	45	52	60	....	59.6
	Minimum	40	38	39	35	30	24	34	24	38	35	18	20	19	35	26	20	40	50	54	37	28	26	28	34	34	28	35	39	35	29	....	32.4
Burlington	Maximum	67	59	49	60	59	53	63	55	50	48	45	41	37	43	48	44	69	70	75	57	54	67	48	54	51	46	48	48	47	54	....	53.3
	Minimum	58	48	37	44	34	22	31	31	39	31	25	33	25	32	29	21	40	37	40	32	29	25	36	44	31	29	38	36	38	35	....	34.3
Martinsburg§	Maximum	67	49	51	61	52	53	63	50	46	46	48	43	41	44	49	49	65	76	73	51	49	65	48	63	51	51	49	42	48	53	....	53.2
	Minimum	55	47	43	43	44	30	32	32	33	37	29	31	30	31	37	27	27	45	48	40	33	31	31	38	38	33	39	40	37	33	....	36.5
Moorfield	Maximum	70	63	55	66	61	58	69	64	55	50	48	47	43	....	....	....	70	85	76	70	68	74	66	63	63	59	55	49	....	....	....	61.9
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Piedmont	Maximum	71	54	48	61	57	51	58	54	57	48	40	40	34	43	42	43	55	76	78	60	57	68	49	60	50	43	46	47	44	52	....	52.9
	Minimum	52	41	38	39	38	24	31	32	39	36	34	32	24	31	32	24	40	45	48	38	32	29	33	41	35	32	40	40	38	38	....	35.9
Romney	Maximum	70	61	54	64	61	60	66	59	52	47	48	49	40	44	50	49	64	82	80	65	68	73	69	62	62	52	55	52	50	56	....	58.8
	Minimum	53	41	40	40	37	22	29	30	32	34	23	32	24	32	38	20	39	43	51	39	23	23	30	40	36	30	32	37	36	36	....	34.1
Upper Tract	Maximum	60	....	58	58	60	61	61	61	61	....	....	56	55	51	51	51	51	60	68	65	60	60	62	67	67	61	60	55	60	....	....	59.2
	Minimum	50	....	40	41	28	23	25	28	30	....	....	20	21	33	26	21	22	33	45	30	29	30	31	31	30	29	30	39	39	....	....	30.9
Wardensville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Northern Division.																																	
Bens Run	Maximum	64	57	60	60	56	58	62	63	54	55	41	43	36	48	49	57	65	81	73	55	56	67	57	59	54	65	63	55	42	55	....	57.0
	Minimum	53	40	39	36	38	27	42	31	44	35	35	30	23	35	34	29	51	49	52	39	29	31	40	40	33	45	51	40	38	34	....	38.1
Buckhannon	Maximum	62	52	49	55	55	58	61	62	58	54	45	44	36	49	49	61	66	78	76	59	58	68	57	58	56	61	59	58	41	51	....	56.5
	Minimum	52	49	38	36	40	24	44	32	46	35	33	28	21	34	37	27	55	48	56	39	39	30	35	54	35	36	52	38	35	34	....	38.7
Cairo	Maximum	64	58	50	60	56	59	60	62	56	54	43	42	35	49	49	55	63	80	72	54	54	64	58	57	50	65	65	56	42	52	....	56.1
	Minimum	49	40	38	31	33	22	37	29	42	36	29	29	20	34	34	25	52	46	50	39	29	26	32	46	36	32	52	41	39	29	....	35.9
Creston	Maximum	64	60	52	63	60	65	62	67	61	58	46	47	36	51	52	57	65	82	74	63	58	69	64	59	58	67	63	57	42	55	....	59.2
	Minimum	46	40	38	33	36	25	40	31	46	36	28	29	20	33	35	36	50	47	56	40	31	28	35	32	36	34	52	41	32	31	....	36.6
Elkins	Maximum	61	46	44	57	53	62	60	63	55	49	44	40	39	50	43	57	71	78	73	48	55	66	48	60	54	61	58	53	39	53	....	54.7
	Minimum	46	35	35	37	28	22	34	30	49	31	31	25	17	39	27	25	53	48	40	36	33	27	33	43	34	40	52	32	32	33	....	34.9
Fairmont§	Maximum	67	40	49	55	52	57	62	63	55	36	41	41	43	48	41	55	64	78	75	51	52	63	66	57	56	61	57	43	40	52	....	54.0
	Minimum	54	37	37	36	36	26	28	32	33	34	33	32	24	28	32	27	28	53	55	38	37	31	32	41	32	39	48	42	32	34	....	35.7
Glenville	Maximum	69	57	54	63	60	66	66	72	61	57	49	48	35	52	53	61	66	84	77	58	59	72	67	60	59	64	65	59	44	58	....	60.5
	Minimum	43	38	38	32	35	23	39	29	43	35	29	28	19	34	35	34	51	45	57	40	33	28	31	49	35	38	34	43	37	31	....	36.2
Grafton§	Maximum	70	43	49	58	42	58	61	53	55	49	44	33	45	48	48	62	65	75	77	50	50	65	56	57	51	57	59	45	44	53	....	54.1
	Minimum	54	37	37	35	37	23	36	29	43	34	33	31	21	30	35	24	34	45	48	38	35	28	33	43	30	35	49	44	33	30	....	35.5
Lost Creek	Maximum	66	55	50	58	56	54	61	63	57	54	45	40	34	50	48	60	65	81	76	65	55	66	55	59	55	62	61	52	40	52	....	56.5
	Minimum	55	37	37	36	38	21	39	27	41	34	33	28	21	33	34	23	58	46	48	38	34	24	32	48	33	30	50	38	31	32	....	36.0
Mannington	Maximum	66	57	51	58	56	52	60	61	56	54	41	41	34	48	48	56	64	81	76	58	54	66	52	58	55	62	60	57	41	52	....	55.8
	Minimum	54	38	37	35	34	22	35	28	40	35	34	31	22	34	26	34	44	45	54	38	32	27	32	46	34	32	51	37	33	31	....	35.8
Morgantown	Maximum	68	55	48	55	55	52	58	61	55	53	41	44	35	47	48	59	65	81	78	52	53	65	59	61	57	62	61	60	39	50	....	55.9
	Minimum	52	35	36	36	35	25	43	32	49	33	33	29	23	34	33	28	54	58	50	36	37	37	37	49	33	44	54	32	31	34	....	38.1
New Cumberland§	Maximum	60	42	50	58	43	48	51	55	48	37	37	35	38	44	37	58	63	75	72	48	52	61	59	59	51	53	53	43	42	49	....	50.7
	Minimum	56	38	33	35	38	26	27	29	30	35	35	31	22	22	33	26	30	56	52	38	31	33	34	42	32	32	42	42	38	35	....	35.1
New Martinsville	Maximum	65	57	56	61	58	57	60	62	56	56	40	43	37	51	53	58	65	81	74	70	58	68	56	60	54	58	57	57	45	54	....	57.6
	Minimum	52	40	39	36	37	25	40	30	42	35	35	31	23	35	35	28	56	48	47	38	34	30	40	48	32	36	52	41	39	35	....	38.0
Parkersburg	Maximum	63	45	52	61	52	61	60	61	56	40	44	43	42	51	47	57	65	81	72	49	54	66	61	61	50	65	57	53	42	54	....	55.5
	Minimum	44	41	40	37	36	29	40	36	40	35	34	27	26	42	33	33	57	58	40	40	36	34	41	41	38	41	53	40	38	37	....	38.9
Parsons	Maximum	64	74	68	67	65	55	55	57	62	52	44	44	37	45	48	58	68	79	72	56	52	63	64	55	60	56	57	55	40	52	....	57.5
	Minimum	42	33	42	36	46	33	33	49	42	32	31	27	27	30	30	20	29	48	56	36	32	23	28	45	40	46	48	30	33	28	....	35.8
Philippi	Maximum	69	61	48	56	55	58	60	66	57	56	47	35	35	48	49	55	70	82	79	57	54	66	60	60	56	61	63	59	40	50	....	57.1
	Minimum	52	34	34	35	36	23	49	29	40	32	22	29	20	33	32	28	38	50	54	36	37	35	35	52	31	31	50	35	31	33	....	35.9
Pickens	Maximum	57	47	43	55	50	64	61	64	55	50	45	41	38	47	46	57	66	75	70	52	54	62	56	56	53	57	58	53	35	49	....	53.9
	Minimum	40	31	30	31	28	22	32	32	46	27	25	20	11	34	25	25	49	48	49	41	30	32	35	42	35	35	40	30	30	29	....	32.8
Terra Alta	Maximum	61	51	39	50	48	55	52	48	48	48	37	38	38	43	44	51	60	76	69	52	50	60	54	55	51	65	66	61	46	57	....	52.4
	Minimum	50	32	31	33	31	18	35	28	40	28	28	23	18	28	30	22	51	46	52	32	32	27	33	49	31	40	....	38	24	36	....	33.3
Wellsburg	Maximum	61	50	50	57	61	47	51	55	50	49	48	38	33	45	45	55	63	75	72	49	51	60	56	62	49	55	55	53	45	50	....	53.0
	Minimum	50	38	33	37	32	23	33	25	40	38	35	30	21	32	32	25	35	50	49	38	30	28	40	48	31	32	50	40	38	36	....	35.6
Weston	Maximum	67	56	50	59	58	60	64	66	58	55	45	45	36	50	50	62	68	82	76	57	55	68	63	61	57	65	62	59	41	53	....	58.3
	Minimum	51	38	38	37	40	26	44	32	45	35	34	30	22	35	35	27	54	49	55	39	39	31	35	53	37	35	52	39	32	35	....	38.5
Wheeling§	Maximum	62	42	55	60	49	59	62	62	50	38	39	36	40	46	43	58	63	79	72	53	55	70	60	58	55	55	54	46	41	51	...	53.8
	Minimum	55	38	34	34	34	25	25	30	30	35	35	31	23	27	31	29	29	33	37	39	34	33	34	42	35	35	40	44	38	35	....	34.1
Southern Division.																																	
Bluefield	Maximum	58	50	50	58	55	64	64	61	58	55	52	45	51	51	54	60	70	76	68	61	59	69	60	60	60	67	61	53	45	55	....	58.3
	Minimum	47	35	34	36	43	27	37	40	43	34	26	25	20	43	39	35	54	56	60	36	34	32	39	40	40	42	53	34	33	35	....	38.4
Charleston	Maximum	78	71	65	60	62	68	71	65	65	59	57	48	55	55	59	61	70	62	63	65	67	74	72	73	64	60	59	60	62	60	....	63.7
	Minimum	32	42	49	31	35	34	36	37	45	30	30	31	26	30	39	35	37	36	39	41	38	37	39	40	38	37	35	32	31	40	....	36.1
Gary §	Maximum	60	43	49	63	57	70	66	71	64	41	54	36	44	51	56	67	75	81	74	53	56	72	59	67	64	72	59	51	48	59	....	59.4
	Minimum	44	39	37	34	35	27	33	36	37	38	27	29	22	30	39	31	38	46	47	39	33	29	30	34	43	41	45	50	36	30	....	36.0
Green Sulphur Spgs.	Maximum	60	54	58	60	56	64	62	68	64	50	50	40	40	53	55	58	78	80	72	60	62	70	58	60	66	67	60	58	50	54	....	59.6
	Minimum	46	38	34	32	32	22	28	39	48	36	35	26	20	36	34	38	38	44	57	38	30	25	32	40	48	50	50	40	36	25	....	36.6
Hinton §	Maximum	60	44	60	67	61	66	72	66	56	44	56	33	41	46	62	54	78	83	72	58	63	74	59	65	63	66	58	54	54	51	....	59.5
	Minimum	47	40	37	35	35	26	27	35	34	40	27	28	21	23	36	30	32	44	45	39	33	33	32	34	42	38	41	50	37	31	....	35.1
Huntington §	Maximum	62	46	52	61	50	62	64	60	60	40	50	38	47	53	47	60	65	76	68	48	55	63	61	60	57	68	50	48	46	56	....	55.8
	Minimum	50	42	34	36	39	30	33	36	36	38	32	31	27	32	35	32	40	54	56	41	34	33	32	45	39	39	48	48	39	36	....	38.2
Lewisburg	Maximum	58	53	52	59	53	60	65	57	51	51	51	43	35	45	52	51	72	73	69	61	56	64	62	64	59	61	58	60	45	50	....	56.3
	Minimum	47	36	34	36	41	23	35	33	44	34	24	25	18	33	38	27	39	43	44	36	29	25	28	44	37	37	47	41	35	32	....	34.8
Marlinton	Maximum	48	42	42	56	50	52	60	52	44	44	40	32	34	36	44	48	68	70	60	48	50	58	44	56	52	50	52	50	40	50	....	49.1
	Minimum	34	28	26	28	30	16	24	26	38	28	12	20	12	28	24	16	36	38	48	30	26	20	22	38	26	30	42	34	24	22	....	27.5
Point Pleasant	Maximum	65	58	55	62	60	65	65	63	60	57	47	48	38	54	52	54	64	78	72	52	55	68	63	62	55	67	66	58	54	55	....	59.1
	Minimum	46	41	32	35	35	25	39	29	40	36	31	28	23	36	33	26	52	52	50	38	31	29	37	53	33	35	53	40	42	35	....	37.2
Powellton	Maximum	68	....	64	64	....	....	68	69	68	65	66	....	....	62	59	60	72	82	....	....	80	....	....	80	78	....	....	75	79	69	....	69.9
	Minimum	38	....	38	35	....	....	29	31	32	32	29	....	24	....	25	26	26	....	....	28	29	....	....	31	32	....	....	33	34	32	....	30.7
Robertsburg§	Maximum	60	47	54	62	49	79	62	64	59	46	49	37	45	51	52	59	66	81	73	53	59	69	63	59	59	56	58	48	46	57	....	57.4
	Minimum	45	40	35	33	36	26	29	31	32	36	26	29	22	31	35	26	32	48	54	40	30	30	30	43	39	36	50	47	38	31	....	35.3
Ryan	Maximum	68	60	54	63	62	69	70	71	61	56	49	45	38	52	52	56	64	83	75	65	60	69	63	58	57	67	60	56	46	55	....	60.1
	Minimum	46	38	38	28	28	21	33	27	43	35	22	26	19	33	34	22	48	43	46	39	29	23	31	49	40	32	47	40	34	22	....	33.7
Spencer §	Maximum	69	59	60	61	62	67	64	69	58	40	45	33	44	54	49	72	66	80	64	69	57	69	60	60	60	66	71	45	40	55	....	58.9
	Minimum	49	39	39	35	35	25	40	33	34	34	28	28	21	30	34	26	32	53	60	34	34	29	30	35	38	35	53	43	39	30	....	35.8
Union	Maximum	72	70	53	59	59	54	60	60	52	52	50	49	42	55	56	58	74	75	80	78	65	66	69	67	69	65	65	66	50	53	....	61.4
	Minimum	40	37	34	35	43	47	39	45	36	35	36	29	19	29	30	39	42	45	61	45	28	25	40	40	40	35	39	39	40	34	....	37.5
White Sulphur Spgs§	Maximum	53	52	59	56	63	61	64	59	67	52	36	44	52	55	59	65	77	75	68	55	61	66	69	65	68	65	62	57	51	....	....	59.9
	Minimum	38	35	35	43	38	23	30	33	30	25	30	18	30	34	24	30	40	43	35	32	24	26	32	37	38	42	39	36	32	26	....	32.6
Williamson §	Maximum	58	46	49	60	53	63	66	65	61	41	50	38	45	50	51	59	73	75	70	49	58	65	58	63	53	68	58	58	44	52	....	56.6
	Minimum	51	42	37	36	37	32	33	42	42	38	30	32	28	32	40	35	39	52	52	42	41	35	35	42	43	43	48	53	38	34	....	39.5

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

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CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXIX. Parkersburg, W. Va., December, 1921. No. 12.

GENERAL SUMMARY.

December was much warmer and also much wetter than usual. The average temperature for the State, 37°, was exceeded in December in only five years of record, while there were only six years with greater December precipitation. The month was characterized by nearly continuously moderate temperature and frequent and unfavorably distributed rains. Temperature much below the normal prevailed on only two or three days. Heavy rains over the central and western counties on the 23d-24th caused marked rises in the rivers. In the agricultural districts the snowfall was unimportant and the ground was bare practically all the month. In the more elevated sections the snowfall was moderate. The conditions were favorable for river traffic, outdoor work, corn husking, pastures, and winter grains.

PRESSURE.

The mean sea-level pressure at Parkersburg and Elkins was 30.09 inches. The highest and lowest readings observed were as follows: Parkersburg, 30.52 inches on the 15th, and 29.41 inches on the 13th. Elkins, 30.55 inches on the 15th, and 29.39 inches on the 13th.

TEMPERATURE.

The monthly mean for the State, determined from 51 stations, was 37.0°. The departure from the normal for 46 stations having ten or more years of record was +3.8°. The month opened warm and the temperature was also somewhat above the normal on the 6-7th, 11-12th, 16-20th, and 23d-24th, with the highest readings occurring generally on the 1st and 17th. The temperature was generally slightly below the normal on other dates, except the 22d and 30th, when the morning readings ranged generally from 8° to 15°, considerably below the normal.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 81 per cent; 8 p. m., 71 per cent. The December averages for the same hours for the past 32 years are 82 and 76 per cent, respectively. Elkins, 8 a. m., 86 per cent; 8 p. m., 79 per cent. The December averages for Elkins for the same hours for the past 21 years are 86 and 79 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 73 tations, was 4.25 inches. The departure from the normal for 9 stations having ten or more years of record was +0.94 inch. lost of the precipitation was received on the 2d-5th, 12-14th, 8th, and 23d-24th, the amounts on the 23d-24th being exessive in most of the central and western counties. Light to oderate snow fell in the more elevated sections on the 4-6th, 2-15th, 25th, and 29th, while light snow or snow flurries ccurred in most of the agricultural districts on the 4-5th, and 3-14th.

RIVERS.

Owing to heavy rain on the 23-24th the rivers were high in the district from the 24th to the 27th, with flood stages in the Little Kanawha River and in the Ohio River at Point Pleasant. The following crest stages were recorded: Dam 12, Wheeling, 27.1 feet; Marietta, 30.2 feet; Parkersburg, 32.3 feet; Point Pleasant, 43.9 feet; Huntington, 48.0 feet; Glenville, 26.4 feet; Creston, 21.0 feet.

WIND.

The average wind velocity at Parkersburg was 6.6 miles per hour, or 0.5 mile above the December average for 31 years. The average at Elkins was 6.8 miles per hour, or 1.9 miles above the December average for 22 years. The highest velocity at Parkersburg was 35 miles per hour from the northwest on the 2d, and at Elkins 39 miles per hour from the west on the 17th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 31 per cent of the possible amount, or 3 per cent below the December average for 24 years. The average at Elkins was 31 per cent, or 7 per cent below the December average for 22 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bancroft, 7th, 10th, 27th, and 28th; Bruceton Mills, 21st, 23d, and 24th; Creston, 7th; Glenville, 7th; Hinton, 1st and 28th; Huntington, 7th; New Cumberland, 7th and 20th; Parkersburg, 7th; Pickens, 8th and 21st; Terra Alta, 13th and 23d; Wheeling, 7th, 8th, 16th, 17th, 20th, 21st, and 28th; Williamson, 7th, 8th, 19th, 27th, and 28th.

Thunderstorms: Bancroft, 23d and 24th; Bluefield, Glenville, Parkersburg, and Ryan, 24th.

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	40.9	75	6	3.27	.....	.....	.....	.....	.....	.....
1892	34.1	72	−10	2.91	.....	.....	.....	.....	.....	.....
1893	37.1	76	7	2.05	3.73	0.56	.....	10	8	13
1894	36.3	80	−29	4.04	6.56	1.71	.....	11	7	13
1895	36.9	72	− 6	2.87	4.14	1.85	7.1	8	9	14
1896	35.3	67	2	1.68	2.88	0.57	.....	12	9	10
1897	37.3	72	− 4	4.00	6.79	2.05	.....	6	9	16
1898	33.4	69	−12	2.66	4.23	0.71	7.0	12	8	11
1899	33.3	77	−17	2.81	4.46	1.22	3.9	11	8	12
1900	34.6	66	3	2.26	3.45	1.32	1.0	11	7	13
1901	32.3	75	− 9	5.84	8.97	3.57	3.8	7	8	16
1902	33.9	70	− 2	5.33	9.95	2.01	9.4	5	7	19
1903	26.5	59	−11	2.00	4.43	0.30	7.8	12	8	11
1904	32.8	71	−20	3.12	5.91	1.63	9.8	8	7	16
1905	35.6	70	3	3.11	5.24	1.30	3.4	11	6	14
1906	35.9	70	− 1	4.73	11.15	1.83	6.2	5	6	20
1907	35.5	70	− 2	3.36	9.31	0.70	5.2	9	8	14
1908	36.4	73	5	3.03	7.36	1.06	6.0	9	8	14
1909	28.8	78	−10	2.55	6.00	1.16	10.9	9	8	14
1910	28.4	72	− 8	2.72	6.90	1.00	14.6	7	7	17
1911	39.3	74	4	3.27	5.58	1.25	1.6	9	5	17
1912	35.8	76	− 6	2.88	5.55	1.45	7.1	12	7	12
1913	36.4	68	3	2.82	3.81	1.10	2.9	9	8	14
1914	30.3	70	−20	5.46	8.04	2.58	12.5	7	4	20
1915	32.8	68	0	4.35	7.19	1.35	7.6	5	7	19
1916	32.8	77	−18	3.33	6.38	0.85	10.6	13	7	11
1917	24.3	67	−37	1.51	3.32	0.47	11.8	11	6	14
1918	41.0	74	0	4.41	8.14	2.70	3.2	8	6	17
1919	30.4	72	−15	4.07	7.35	1.17	7.8	10	6	15
1920	35.6	70	0	2.55	5.13	1.32	3.7	6	7	18
1921	37.0	79	0	4.25	7.51	1.11	7.5	7	7	17
Means and extremes	34.2	80	−37	3.33	11.15	0.30	6.9	9	7	15

Climatological Data for December, 1921.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	20	33.6	+ 5.1	58	1†	5	22	34	5.04	+2.14	0.96	19.0	13	9	8	14	w.	U. G. Clark.
Brandywine	Pendleton	...	5	36.2	...	65	1	8	30	37	2.07	...	0.50	8.0	7	14	2	15	s.	Elmer Keister.
Burlington	Mineral	875	27	35.5	+ 3.3	64	1	7	22	39	2.85	+0.25	0.90	13.0	6	7	13	11	nw.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	32	...	...	...	...	...	...	...	1.11	−1.51	0.32	8.0	7	...	...	...	...	S. W. Lightner.
Martinsburg	Berkeley	435	29	35.2	+ 2.5	61	1	9	22	35	2.81	+0.09	1.05	9.5	7	15	6	10	nw.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	25	38.4^{j}	+ 5.3	...	...	9^{j}	22	40^{j}	2.37	+0.11	0.90	2.5	6	19^{e}	3^{e}	4^{e}	...	M. S. Henkel.
Piedmont	Mineral	919	8	34.9	...	65	1	7	22	32	2.29	...	0.71	11.5	8	10	4	17	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	23	39.0^{g}	+ 6.6	69^{g}	1†	12^{g}	10	41^{g}	1.89	−0.59	0.78	4.0	4	...	...	...	...	Geo. E. Arnold.
Upper Tract	Pendleton	1,230	22	37.8^{e}	+ 4.3	65^{e}	1	10^{e}	22	45^{e}	1.16	−1.05	0.35	4.0	5	7^{a}	0^{a}	23^{a}	w.	J. M. Mallow.
Wardensville	Hardy	1,200	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Luther F. Sutton.
Averages and	extremes	...	...	36.3	+ 4.5	69	1	5	22	45	2.40	−0.08	1.05	8.8	7	12	5	14	nw.	
Northern Division.																				
Bens Run	Pleasants	622	19	37.6	+ 4.2	66	17	13	22	29	4.37	+0.91	1.52	11.0	9	17	5	9	...	J. D. Riggs.
Bruceton Mills	Preston	1,549	1	...	...	...	...	...	...	...	3.73	...	1.10	19.1	11	2	4	25	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	24	38.0	+ 5.0	62	1†	11	22	28	4.18	+0.17	1.20	9.0	9	18^{a}	0^{a}	12^{a}	...	H. A. Darnall.
Cairo	Ritchie	680	22	36.6	+ 2.4	64	17	13	22†	28	4.76	+1.00	1.49	4.2	8	3	9	19	...	O. C. Hess.
Cheat Bridge	Randolph	3,558	3	31.4^{a}	...	57^{a}	1†	0	30	40^{a}	6.57	...	1.17	34.2	16	13	3	15	...	H. F. Cromer.
Cortland	Tucker	3,300	10	...	...	...	...	...	...	...	3.57	...	1.08	13.0	6	3	17	11	...	G. W. Harmon.
Creston	Wirt	701	19	38.9	+ 5.0	67	1	15	22†	29	5.50	+2.17	2.35	3.3	13	4	1	26	w.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	0	...	...	...	...	...	...	...	4.01	...	0.93	10.8	11	...	...	...	w.	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	0	...	...	...	...	...	...	...	3.51	...	1.51	8.0	15	...	...	...	s.	Lockmaster.
Davis	Tucker	3,093	12	...	...	...	...	...	...	...	5.78	+0.94	1.29	30.0	13	7	9	15	w.	Ross C. Male.
Elizabeth	Wirt	646	9	...	...	...	...	...	...	...	4.66	...	2.34	...	13	...	...	...	...	E. D. Ball.
Elkins	Randolph	1,947	20	34.6	+ 2.1	65	1	12	22	30	5.07	+1.65	1.15	15.5	17	1	14	16	w.	U. S. Weather Bureau.
Fairmont	Marion	883	15	35.0	+ 2.8	61	2	10	22	42	4.67	+1.31	1.55	14.0	14	12	4	15	w.	Creed E. Bolyard.
Glenville	Gilmer	738	27	39.2	+ 4.3	70	1	14	22†	37	5.62	+1.93	1.92	4.0	15	8	9	14	w.	Howard R. Brannon.
Grafton	Taylor	1,000	28	37.6^{m}	+ 3.7	63^{m}	1†	10	22	43^{m}	4.25	+0.66	...	5.0	...	1	19	11	e.	W. C. Byers.
Lost Creek	Harrison	1,026	23	37.0	+ 3.2	65	1†	10	22	33	4.17	+0.68	1.49	5.0	9	7	6	18	w.	Allen Smith.
Mannington	Marion	974	18	36.8	+ 4.3	65	2†	10	22	30	4.32	−0.20	1.30	9.5	11	1	12	18	e.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	28	36.7	+ 3.2	66	17†	7	22	35	2.66	−0.46	1.05	5.5	6	4	10	17	...	Prof. E. L. Andrews.
Moundsville	Marshall	642	18	35.9^{a}	+ 2.8	68^{a}	17	11	22	38^{a}	4.38	+1.09	1.76	10.2	14	9	12	10	nw.	G. W. Wright.
New Cumberland	Hancock	987	23	33.4	+ 2.6	59	2	8	22	34	3.49	+0.86	1.27	7.0	13	4	5	22	w.	Geo. W. Derouin.
New Martinsville	Wetzel	634	27	38.0	+ 3.2	68	17	13	22	28	4.57	+1.01	1.70	...	10	4	6	21	s.	Wm. Ankrom.
Parkersburg	Wood	638	34	37.4	+ 2.3	66	17	15	22	29	4.30	+1.53	2.42	5.8	12	3	10	18	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	21	35.0	+ 3.8	62	1	6	22	36	4.18	+0.39	2.00	17.0	7	9	3	19	...	J. W. Swisher.
Philippi	Barbour	1,149	24	37.2	+ 3.9	67	1	8	22	34	4.50	+0.67	1.22	8.0	11	5	3	23	w.	Prof. M. B. Pimm.
Pickens	Randolph	2,697	18	32.8	+ 0.7	61	1	4	30	31	7.59	+2.38	2.13	32.0	14	5	8	18	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	34	...	...	...	...	...	...	...	5.41	+1.54	2.00	...	14	...	...	...	w.	J. F. Pierce.
Saint Marys††	Pleasants	577	12	...	...	...	...	...	...	...	4.58	+1.08	2.15	4.0	13	...	...	...	n.	Wm. Hughes.
Smithfield	Wetzel	835	15	35.6	+ 4.1	66	17	11	22†	43	5.15	+1.07	1.80	10.5	13	9	5	17	nw.	G. M. Whisler.
Stony River Dam	Grant	...	1	...	...	...	...	...	...	...	2.96	...	0.55	17.0	12	3	7	21	w.	A. C. Becker.
Terra Alta	Preston	2,612	20	37.7	+ 7.7	74	3	1	22	41	...	...	...	...	...	11	8	12	...	Dr. C. O. Gorby.
Wellsburg	Brooke	1,225	20	34.7	+ 3.7	64	17	9	22	30	2.95	−0.12	1.10	6.3	8	5^{a}	5^{a}	20^{a}	w.	George P. Pfister.
Weston	Lewis	1,026	25	38.8	+ 3.8	66	1	12	22	29	5.05	+1.35	1.32	9.0	17	2	13	16	ne.	Weston State Hospital.
Wheeling	Ohio	645	34	34.7	+ 2.8	66	17	8	22	39	3.91	+0.94	1.66	9.5	13	2	12	17	w.	Miss M. B. Forsyth.
Averages and	extremes	...	...	36.3	+ 3.5	74	3	0	30	43	4.51	+0.98	2.42	11.9	12	6	8	17	w.	
Southern Division.																				
Bancroft	Putnam	574	17	38.5	+ 3.6	68	17	18	30	40	4.26	+0.91	1.04	0.5	16	9	1	21	sw.	E. H. Morrow.
Beckley	Raleigh	2,440	21	33.9	+ 0.5	57	17	15	30	29	4.02	+0.92	1.25	4.5	7	8	4	19	sw.	E. E. Phipps.
Bluefield^{c}	Mercer	2,558	26	40.7	+ 5.5	68	1	18	30	38	4.17	+1.26	...	2.0	14	11	7	10	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	6	...	...	...	...	...	...	...	3.15	...	1.10	1.0	5	2	1	28	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	18	40.8	+ 1.1	70	1	20	29†	36	5.15	+1.83	1.10	T.	12	5	0	26	w.	C. V. Lewis.
Clay	Clay	706	5	...	...	...	...	...	...	...	4.26	...	1.02	...	13	...	...	...	...	Mark King.
Cuba	Jackson	650	19	38.6	+ 4.5	69	1†	15	30	31	4.58	+1.35	1.55	2.0	8	1	16	14	w.	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	5	...	...	...	...	...	...	...	5.12	...	2.65	5.3	14	...	...	...	...	Lockmaster.
Dam 20 O. R.	Wood	551	5	...	...	...	...	...	...	...	5.19	...	2.90	4.5	14	...	...	...	...	Lockmaster.
Dam 22 O. R.	Jackson	538	6	...	...	...	...	...	...	...	3.67	...	2.40	...	5	...	...	...	sw.	Lockmaster.
Dam 26 O. R.	Mason	505	5	...	...	...	...	...	...	...	4.53	...	1.85	...	9	...	...	...	...	U. S. Engineer Office.
Evans	Jackson	606	9	...	...	...	...	...	...	...	5.43	...	1.75	4.0	12	1	3	27	...	B. F. Sayre.
Gary	McDowell	1,426	5	40.6^{a}	...	72^{a}	1	21^{a}	10†	42^{b}	3.31	...	1.10	T.	13	...	...	...	...	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	25	38.4	+ 4.9	67	1†	15	30	38	6.96	+4.29	2.17	2.0	13	9	1	21	w.	W. H. Gwinn.
Hinton	Summers	1,450	24	38.8	+ 3.9	79	1	18	30	47	4.26	+1.46	1.10	T.	14	4	1	26	n.	J. B. Lavender, C. E.
Huntington	Cabell	538	27	39.5	+ 5.1	65	1†	21	22†	40	4.20	+0.79	2.46	0.2	15	12	3	16	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	2	...	...	...	...	...	...	...	4.30	...	1.35	...	9	...	...	...	...	J. O. Brown.
Kayford	Kanawha	1,335	5	...	...	...	...	...	...	...	5.84	...	1.75	0.8	16	...	...	...	...	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	21	36.4	+ 4.2	63	1	15	30	35	4.42	+1.58	2.11	3.0	11	9	4	18	w.	Geo. T. Argabate.
Logan	Logan	687	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	C. & O. R. R..
Marlinton	Pocahontas	2,131	22	29.8	+ 0.7	56	1	6	30	34	4.62	+0.96	1.42	5.5	11	1	17	13	nw.	S. L. Brown.
Miller	Fayette	...	1	...	...	...	...	...	...	...	5.07	...	1.60	...	15	...	...	...	...	J. R. Bays.
Point Pleasant	Mason	553	28	39.7	+ 4.5	68	17	17	30	35	5.65	+2.42	2.30	2.0	12	5	4	22	...	W. D. Holmes.
Powellton	Fayette	933	25	...	...	...	...	20^{l}	30†	...	4.78	+1.72	2.25	T.	8	...	...	...	...	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	5	...	...	...	...	...	...	...	5.53	...	1.81	5.1	17	...	...	...	...	Raleigh Coal & Coke Co.
Renick	Greenbrier	1,653	5	...	...	...	...	...	...	...	4.80	...	1.75	...	6	...	...	...	...	Wm. B. Hill.
Robertsburg	Putnam	574	21	37.7	+ 3.7	68	1	17	30	38	4.51	+1.05	1.62	T.	14	6	7	18	...	E. C. Brace, Jr.
Ryan	Roane	700	18	38.0	+ 4.1	68	1†	11	30	36	4.18	+0.73	1.23	2.3	15	5	4	22	...	Wm. E. Ryan.
Sharples	Logan	...	1	...	...	...	...	...	...	...	5.01	...	1.59	...	9	...	...	...	...	C. E. Rippetoe.
Spencer	Roane	784	17	39.8	+ 5.3	68	1	12	28	38	3.43	+0.06	1.20	0.8	10	3	16	12	...	A. M. McKown.
Sutton	Braxton	839	15	37.2	+ 3.6	60	1†	14	22†	33	4.97	+1.03	1.95	5.5	9	22	0	9	...	C. B. Eakle.
Union^{1}	Monroe	2,250	17	37.8	+ 5.9	63	2	15	30	39	3.24	+0.72	...	0.5	11	...	...	...	...	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	11	37.6^{a}	...	59^{a}	1	14	10	34^{a}	2.55	...	...	...	13	18	8	5	...	J. M. Ayres.
Williamson	Mingo	660	21	40.6	+ 3.7	66	17	25	30	36	3.97	+0.13	1.42	0	10	10	3	18	w.	J. F. Keyser.
Averages and	extremes	...	...	38.1	+ 3.8	79	1	6	30	47	4.52	+1.29	2.90	2.1	12	8	5	18	w.	
State averages and	extremes	...	...	37.0	+ 3.8	79	1	0	30	47	4.25	+0.94	2.90	7.5	11	7	7	17	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for December, 1921.

Stations.	Drainage-basin.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac		.27		.56	.27	.18		T.	T.			.30	.66	.41	T.			.24	T.		.07		.90	.96	.10				.09			5.04
Brandywine	do		.50		.27	T.			T.					.18	.27				.40					*	.45								2.07
Burlington	do		.45		.50		T.							.60	.40									*	.90					T.			2.85
Harpers Ferry |||	do					.32							.01	.18		.11			.25					.19	.05								1.11
Martinsburg	do		1.05		.62								.10		.30			.26					.30	.18									2.81
Moorefield	do					.90								.22	.40				.45					.25	.15								2.37
Piedmont	do				.47	.04							.01	.35	.11				.24					.36	.71								2.29
Romney	do					.36							T.		.30			.45						.78									1.89
Upper Tract	do		.35	.18		T.		T.					T.	T.	.18				.25	T.				.20	T.								1.16
Wardensville |||	do																																
Northern Division.																																	
Bens Run	Ohio		.35		.20	.31							.05	.25	.22			.10						1.37	1.52								4.37
Bruceton Mills |||	Monongahela		.28	.03	.36	.22	.22						.05		.22	.13			.03			T.	T.	1.09	1.10	T.				T.			3.73
Buckhannon	do		.45		.60	.10	.01							.50	.40			T.				T.		1.20	.90	T.				.02			4.18
Cairo	Little Kanawha		.52		.25	.15	T.		T.					.30	.28			.42				T.		1.49	1.35	T.				T.			4.76
Wheat Bridge |||	Monongahela		.54	.05		.35	.72			.05		.40		.57	.72	.54			.24			.05		1.17	.70	.27	.02				.18		6.57
Portland ||	do		.60				1.08															.85	.75	.20						.09			3.57
Preston ||	Little Kanawha		.10	.57	.25	.02	T.			T.			.10	.23	.10	.20			.60			.02	T.	.81	2.35	.15				T			5.50
Dam 10, Mon. R |||	Monongahela		.42		.48	.26						.12	.01	.39	.61			.07	.17					.55	.93								4.01
Dam 15, Mon. R |||	do		.03	.38	.03	.46	.02						.08	.20	.07	.07		.02	.20			.01		.38	1.51	.05							3.51
Davis |	Monongahela			.38	T.	.32	1.12	T.		T.		T.	T.	.32	.20	.32			.32			.32	T.	.93	1.29	.14				.08	.04		5.78
Elizabeth |||	Little Kanawha		.08	.30	.37	.04							.08	.16	.04	.04			.58					.60	2.34	.01				.02			4.66
Elkins ***	Monongahela		.46		.49	.42	.12		.17			T.	.16	.40	.59			.16	.03		.01	.09	.14	1.02	.67	.01				.13			5.07
Fairmont |||	do		.05	.40	.27	.40	.58	.02					.32	.12	.10	T.		T.	.37			.02	T.	.45	1.55	.04	T.	T.		T.	T.		4.67
Glenville |||	Little Kanawha		T.	.43	.66	.18				.28			.12	.28	.12	.25		.06	.28			.04		.86	1.74	.18				.14			5.62
Grafton ||	Monongahela		T.	.39	*	*	.61						*	*	*	.85		T.	T.			*	*	*	*	2.40				T.	T.		4.25
Lost Creek	do		.24		.30	.12			T.				.32	.10	.18	T.			.22			T.		1.20	1.49	T.				T.			4.17
Mannington	do		.50		.25	.15	.15						.17	.30	.15			.08	.42					.85	1.30	T.							4.32
Morgantown	do				.27		.18						T.	.20	.25			T.						.71	1.05					T.			2.66
Moundsville |||	Ohio	.02	.09	.28	.52	.04	.09						.13	.21	.13				.48					.44	1.76	.15				.04			4.38
New Cumberland |||	do		.02	.13	.28	.01	.06						.18	.27	.09	.04			.42			T.		.21	1.27	.51							3.49
New Martinsville	do		.40		.30	.07							.15	.30	.15			.10	.40					1.00	1.70								4.57
Parkersburg ***	Ohio		.24		.19	.12			T.			.01	.19	.01	.21			.39	T		T.	.01	.17	1.69	1.07	T.				T			4.30
Parsons	Monongahela			*	.36	.54				T.		*	.27	.36	.65		T.					T.			2.00								4.18
Philippi	do		.29		.35	.20	T.		T.				.19	.20	.46	T.		.06	.27			.05		1.22	1.21	T.				T.			4.50
Pickens	do		.53		.09	.54	.36		.15	T.			.08	.45	.63	.27			.41			T.		2.13	1.37	.40				.18			7.59
Rowlesburg |||	do		T.	.27	.20	.25	.36						.23	.38	.19	.20			.18			.05		.90	2.00	.12				.08		T.	5.41
Saint Marys |||	Ohio		.05	.40	.28	.03	.10						.05	.25	.10	.12	T.		.53			T.		.42	2.15	.10							4.58
Smithfield |||	Fishing Creek		T.	.43	.77	.07	.12						.17	.33	.15	.11			.51					.50	1.80	.17					.02		5.15
Stony River Dam |||	Monongahela			.20	.13	.54	.13	.18						.22	.27	T.			.10					.55	.50	.10				.04			2.96
Terra Alta	do																																
Wellsburg	Ohio		.16		.29	T.							.19	.22	T.			.16	.36					.47	1.10				T.				2.95
Weston	Monongahela		.38	.07	.50	.30			.03	.02			.11	.31	.26	.04		.09	.23			.04		1.32	1.22	.01				.12			5.05
Wheeling |||	Ohio		.03	.13	.43	.14	.03	T.			T.		.12	.34	.04	.06		T.	.50			T		.23	1.66	.20					T.		3.91
Southern Division.																																	
Bancroft |||	Great Kanawha		.05	.23	.55	.15	T.		.02	.08			.04	.05	.07	.07			.61			.08		1.00	1.04	.10	T.			.12			4.26
Beckley	do					.08	.21								.40	.08							1.10	1.25	.90								4.02
Bluefield	do		.44		.21	.18	.20		T.	.09		T.	.04	T.	.04	.04		.02	1.02			.03		.48		*	1.38						4.17
Camden-on-Gauley |||	do		.80			T.		.08	T.				.10	T.	T.	T.							1.10		1.07		T.						3.15
Charleston |||	do		T.		.80	.26	.20			.15			T.	.24	.25	.30	T.		.40			.15		1.10	.90	.40				T.			5.15
Clay |||	do			.50	.35	.10	.07			.30				.15		.22			.23			.07		1.02	.98	.25	.02						4.26
lba.	Sand Creek		.35		.18	T.							.55	T.	.10			.10	.45	T.			T.	1.55	1.30	T.				T.			4.58
Dam 19 O. R. |||	Ohio		.08	.26	.14	.02	.02						.02	.26	.08	.08			.70			T.		.63	2.65	.17				.01			5.12
Dam 20 O. R. |||	do		.07	.22	.15	.02	T.						.04	.18	.05	.03			.68			.04		.70	2.90	.10				.01			5.19
Dam 22 O. R. |||	do			.40									.12	T.					.40					.35	2.40	T.							3.67
Dam 26 O. R. |||	do			.29	.36	.02							.20						.50			.10		1.10	1.85	.11							4.53
ans	Ohio		.50	.18	.10	.25							.20		.20			.09	.41				.08	1.57	1.75					.10			5.43
ry |||	Big Sandy		.01	.32	.30	T	.04						.15	.05		.02				.30		.03		.56	.13	1.10				.30			3.31
een Sulpr. Spgs.	do		.80		.68	.18			.08				.26	T.	.35	.25		.15	.27					2.17	1.23	.37				.17			6.96
nton ||	do		.10	.46	.02	.26	.30						.12	.06	.04	.20			.50					1.10	.54	.48				.08			4.26
ntington |||	Ohio		.04	.28	.56	.04	.04		T.	.08			.04	.02	T.	.04			.50			.06		1.24	1.22	.02	.02						4.20
anawha Falls |||	Great Kanawha		T.	.50		.15				.18			T.	T.	.10				.22			T.		1.35	.85	.45	.50						4.30
yford |||	do		.02	.68	*	.37	.31			.19			.22	.07	*	.48			.31			.05		1.75	.80	.48	T.			.11			5.84
wisburg.	do		.40		.31	.27			.04				.11	.04	.27	.03		T.						2.11	.72	.12				T.			4.42
gan	Guyandotte																																
rlinton	Great Kanawha		.64		.56	.30			.12				.10	.32	.16			.95						.94	.48	T				.05			4.62
ller |	Meadow Creek	.04	.18	.29	.10					.22			.27	.24	.19	.31			.33			.13		1.60	.57	.42				.18			5.07
int Pleasant	Ohio		.32		.24	.05			.05				.11		.10			.20	.30			.05		1.77	2.30	.16				T.			5.65
wellton	Great Kanawha		.35	.23					.30				.50		.10									2.25	.85					.20			4.78
leigh |	do		.06	.38	.16	.28	.31	T.		.22			.16	.05	.18	T.			.28	T.	.10	.06	T.	1.81	.74	.63	.03			.08	T.		5.53
nick	do			.60		.60									.05				1.40						1.75	.40							4.80
bertsburg |||	do		.05	.30	.32	.10				.14			.08	.05	.05				.43			.08		1.07	1.62	.10				.12			4.51
an	do		.28		.60	.11	T.		.07				.12	.11	.10	T.		.04	.48			.07	.02	1.23	.78	.02				.15			4.18
arples ||	Coal River			.40					.25			.47		.62	.27					.06				1.59	1.10	.25							5.01
ncer |||	Little Kanawha		.14		.20	.03				.30			.21	.15	.10						.30			.80	1.20	T.							3.43
ton	Great Kanawha		.45		.40	.27			.35					.60	.15									1.95	.75	.05							4.97
ion	do		.60			.10				.20				.09	.04					.50				*	*	*	1.42			.29			3.24
ite Sulpr. Spgs |||.	do		.15		.25	.15			.10				.05	.05	.25			.25				.05	.50	.50	.10					.15			2.55
lliamson ||	Big Sandy		T.	.63	.27	.06				.02			.02			T.						.31	T.	1.42	.86	.36				.02			3.97

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for December, 1921.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	58	57	53	34	36	31	38	40	32	39	40	47	33	33	37	42	56	54	37	49	58	29	53	56	53	38	46	44	39	31	46	43.2
	Minimum	32	38	32	24	23	25	28	22	25	20	33	28	27	30	19	21	25	26	25	17	24	5	22	44	23	21	27	12	22	12	14	24.1
Brandywine	Maximum	65	60	56	42	40	40	50	52	48	50	51	45	40	35	40	42	54	50	40	52	50	38	48	57	52	46	47	46	39	40	50	47.3
	Minimum	28	34	30	23	19	28	23	30	24	17	30	30	28	27	26	23	34	34	24	20	35	10	24	40	30	16	23	12	28	8	20	25.1
Burlington	Maximum	64	58	56	39	38	38	45	38	38	47	49	45	37	35	37	41	60	58	41	46	44	31	33	61	50	35	44	37	42	36	51	44.3
	Minimum	34	43	31	24	27	30	28	29	31	18	40	36	32	30	25	27	29	35	29	20	31	7	21	32	30	24	23	16	22	12	12	26.7
Martinsburg§	Maximum	61	58	58	35	38	40	44	44	40	47	50	47	40	35	38	38	59	46	42	49	48	30	36	41	37	32	47	38	41	31	53	43.3
	Minimum	36	36	42	33	29	30	30	31	32	24	25	40	32	30	24	24	25	33	34	26	26	9	10	30	34	22	22	20	21	15	18	27.2
Moorfield	Maximum	....	....	....	....	....	....	....	....	....	....	55	50	45	37	45	46	63	61	52	51	48	41	36	62	62	54	51	43	43	42	56	49.7
	Minimum	....	....	....	....	....	....	....	....	....	....	39	35	31	30	26	29	38	36	27	21	34	9	27	35	32	20	23	17	30	13	16	27.0
Piedmont	Maximum	65	56	57	37	34	38	43	37	36	44	46	45	35	35	36	40	60	56	42	43	32	26	35	61	38	34	39	34	40	36	48	42.2
	Minimum	33	43	37	28	29	30	30	27	31	22	38	35	30	30	25	27	30	33	29	23	22	7	22	33	28	27	27	19	24	17	20	27.6
Romney	Maximum	69	69	68	42	37	41	44	45	49	49	50	50	66	53	35	42	50	60	50	48	48	42	35	35	....	....	....	....	....	....	....	49.0
	Minimum	32	28	39	28	26	30	30	29	28	12	39	35	37	28	24	24	34	34	31	20	30	30	23	26	....	....	....	....	....	....	....	29.0
Upper Tract	Maximum	65	62	....	57	48	48	51	51	....	....	50	40	45	45	43	42	43	....	57	57	53	40	50	50	....	60	61	60	58	58	55	51.9
	Minimum	30	50	....	26	26	26	30	31	....	....	21	21	32	31	22	22	24	....	20	20	18	10	25	26	....	18	20	21	16	13	16	23.7
Wardensville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Northern Division.																																	
Bens Run	Maximum	65	62	49	47	35	38	48	40	39	42	49	47	38	37	37	49	66	59	39	46	45	34	47	55	41	35	37	39	44	40	45	45.0
	Minimum	38	48	34	30	29	33	26	31	31	26	35	35	31	33	29	32	46	30	30	31	26	13	31	35	27	27	28	20	27	18	25	30.2
Buckhannon	Maximum	62	62	55	39	33	38	41	39	41	43	47	44	38	35	37	56	61	59	44	50	48	36	57	58	50	49	41	42	41	35	40	45.8
	Minimum	35	48	38	30	27	30	28	30	30	21	37	33	32	32	25	37	38	31	38	25	22	11	36	49	29	27	30	19	24	18	22	30.1
Cairo	Maximum	62	61	57	40	35	40	44	40	39	43	49	47	39	37	38	51	64	49	39	48	46	33	50	57	40	37	38	40	41	37	45	44.7
	Minimum	34	45	36	30	29	32	22	30	30	20	31	35	32	32	26	31	49	28	24	21	30	13	31	40	28	27	26	15	27	13	20	28.6
Creston	Maximum	67	63	58	41	35	43	48	43	41	46	51	49	43	42	40	52	62	60	41	49	48	34	55	58	53	43	43	41	42	41	47	47.7
	Minimum	38	49	36	31	31	32	25	33	31	22	33	36	33	33	30	32	42	31	27	23	31	15	31	38	29	28	27	17	32	15	23	30.1
Elkins	Maximum	65	60	42	34	31	40	44	38	33	44	46	40	38	34	33	44	58	39	38	53	42	37	59	62	35	37	40	43	41	38	46	43.0
	Minimum	38	42	28	27	25	27	29	29	23	17	36	29	30	25	20	27	39	29	29	23	16	12	32	35	25	24	27	17	20	15	20	26.3
Fairmont§	Maximum	59	61	42	31	32	38	41	36	35	43	47	38	35	35	36	59	60	38	38	52	39	46	53	55	32	33	40	41	35	44	47	42.6
	Minimum	37	42	35	29	26	26	25	24	30	27	27	32	30	31	26	27	33	30	27	26	28	10	11	41	29	28	26	20	20	20	22	27.3
Glenville	Maximum	70	65	62	47	35	40	52	42	43	47	53	52	41	38	40	52	66	64	42	51	49	35	58	60	55	39	46	42	42	45	50	49.1
	Minimum	33	46	37	30	29	31	25	30	30	20	37	35	32	33	27	31	38	32	25	22	30	14	31	50	30	27	25	18	28	14	20	29.4
Grafton§	Maximum	63	63	....	....	36	36	..	....	....	43	....	....	36	35	42	56	62	....	....	51	..	53	53	58	....	36	40	....	....	46	47	47.6
	Minimum	44	45	35	29	27	29	23	26	20	22	35	35	29	22	25	30	35	20	25	22	31	10	23	45	28	26	25	17	29	18	20	27.7
Lost Creek	Maximum	65	62	56	41	33	37	46	36	39	44	49	45	38	35	40	48	65	60	40	51	48	34	54	56	55	35	43	41	42	38	48	46.0
	Minimum	35	43	35	27	27	31	19	28	29	22	37	33	30	31	23	31	37	30	30	18	30	10	30	50	28	26	25	14	27	13	16	27.9
Mannington	Maximum	62	65	64	35	33	38	46	38	36	43	49	45	36	46	50	42	65	60	47	52	47	35	49	56	40	35	40	40	43	35	46	45.7
	Minimum	32	43	35	29	28	30	18	25	32	23	36	33	30	33	28	30	37	32	25	22	27	10	30	40	27	26	21	16	21	26	18	27.8
Morgantown	Maximum	63	65	55	36	35	35	41	37	34	43	48	45	35	34	36	47	66	66	39	52	50	36	51	56	40	33	40	41	44	35	50	44.8
	Minimum	45	51	32	27	26	29	22	28	29	30	35	31	28	28	24	31	46	31	28	26	21	7	31	36	25	24	29	19	22	17	29	28.6
New Cumberland§	Maximum	58	59	39	35	34	37	40	36	37	40	47	37	37	34	37	54	54	36	48	46	36	37	43	35	34	32	33	38	39	44	42	40.6
	Minimum	38	47	36	28	29	29	23	24	30	28	29	36	30	30	26	27	32	31	28	23	23	8	9	33	15	23	26	19	19	17	17	26.2
New Martinsville	Maximum	66	62	59	39	35	41	46	40	39	44	50	48	40	40	40	48	68	59	40	48	43	36	48	54	42	42	38	40	44	40	42	45.8
	Minimum	38	46	35	30	29	33	28	31	32	28	38	34	32	32	28	31	46	32	29	25	26	13	32	32	28	27	32	19	26	16	26	30.1
Parkersburg	Maximum	62	61	44	36	37	45	47	38	33	44	50	47	40	36	41	51	66	39	39	47	43	35	48	57	33	36	39	44	45	38	45	44.3
	Minimum	49	44	35	31	31	34	28	33	30	26	36	33	33	33	31	34	37	30	31	27	21	15	35	33	28	29	27	22	22	20	32	30.6
Parsons	Maximum	62	60	58	40	30	30	42	31	34	38	44	35	35	36	48	40	59	60	40	55	44	35	56	56	53	38	42	38	42	36	45	43.9
	Minimum	38	42	40	25	25	25	27	28	27	27	27	28	30	30	12	28	27	29	19	29	25	6	35	45	25	24	22	24	12	14	15	26.1
Philippi	Maximum	67	65	64	42	43	35	42	42	34	42	46	44	37	37	35	47	60	62	39	52	48	36	54	58	58	35	38	40	43	36	47	46.1
	Minimum	41	46	34	35	30	27	22	22	27	24	35	31	28	28	21	32	43	28	26	27	26	8	33	47	24	23	24	17	24	15	26	28.2
Pickens	Maximum	61	56	47	37	27	37	43	38	35	41	42	36	35	35	33	46	58	55	37	49	42	35	54	58	41	39	37	34	38	35	43	42.1
	Minimum	32	41	25	22	21	23	23	27	17	16	30	26	28	25	23	25	28	24	22	27	20	12	31	39	21	18	24	15	18	4	18	23.4
Terra Alta	Maximum	62	67	74	49	46	38	38	39	36	49	65	54	36	34	34	40	56	68	41	43	43	28	50	60	49	32	32	40	58	40	67	47.4
	Minimum	50	51	33	26	23	25	32	30	26	30	37	26	29	29	32	33	39	28	26	22	19	1	20	49	22	19	26	12	20	22	31	28.0
Wellsburg	Maximum	59	60	55	36	34	37	39	38	38	40	47	45	36	36	35	41	64	60	38	45	45	27	45	40	35	31	35	37	40	33	44	41.8
	Minimum	37	45	34	29	29	26	22	30	32	26	35	34	30	20	25	27	36	30	27	27	23	9	25	34	25	24	26	19	24	15	30	27.6
Weston	Maximum	66	65	56	40	33	40	47	41	37	45	50	47	39	36	42	50	64	61	40	53	50	34	55	58	53	37	43	45	44	38	50	47.1
	Minimum	39	47	36	30	28	31	24	32	31	24	38	34	32	33	27	33	41	32	28	25	31	12	31	51	30	27	30	20	29	16	22	30.5
Wheeling§	Maximum	60	59	42	35	35	38	45	40	37	43	50	38	40	35	35	45	66	40	41	50	35	47	46	45	30	32	40	40	37	44	43	42.4
	Minimum	39	45	35	30	30	29	25	25	30	28	29	35	31	31	26	25	32	32	30	23	25	8	10	35	27	24	27	20	20	15	15	27.0
Southern Division.																																	
Bluefield	Maximum	68	61	52	49	42	47	57	50	43	50	50	44	43	43	38	46	56	53	47	57	52	36	57	....	....	....	61	49	44	46	49	49.6
	Minimum	38	50	40	41	26	27	35	40	27	24	38	35	34	33	30	30	43	39	27	27	35	23	26	....	....	....	23	22	28	18	31	31.8
Charleston	Maximum	70	63	65	59	57	57	59	53	54	52	53	50	45	48	45	47	46	48	58	58	49	38	39	42	48	53	54	50	49	48	49	51.8
	Minimum	34	40	38	34	31	32	30	33	32	26	28	29	29	33	33	32	34	35	31	26	35	22	25	30	28	28	25	26	20	20	23	29.7
Gary§	Maximum	72	63	53	35	37	54	58	48	52	47	54	47	44	50	42	57	....	64	50	61	47	54	62	64	36	43	47	53	41	49	54	51.4
	Minimum	30	35	42	32	30	31	28	29	22	21	26	25	36	34	34	31	37	....	26	26	28	26	26	50	34	27	32	24	24	21	24	29.7
Green Sulphur Spgs.	Maximum	67	67	55	45	49	47	55	45	44	50	52	47	41	40	44	47	58	60	41	52	48	40	38	60	52	38	50	44	39	43	50	48.4
	Minimum	29	30	40	38	30	27	26	34	29	18	34	36	31	29	30	30	37	32	25	22	23	22	30	32	30	22	30	18	29	15	21	28.4
Hinton §	Maximum	79	61	56	40	35	53	60	47	44	54	60	43	43	48	37	47	57	49	44	55	50	37	54	56	47	37	44	46	40	48	58	49.3
	Minimum	32	33	38	32	30	29	28	30	28	24	23	33	32	32	30	30	30	32	25	24	25	24	25	33	34	25	25	24	25	18	21	28.2
Huntington §	Maximum	65	63	46	45	38	49	48	41	39	46	50	47	43	44	43	57	65	40	42	47	42	52	61	59	36	37	43	44	38	46	46	47.2
	Minimum	39	51	38	32	32	32	30	30	27	29	30	37	39	35	37	35	36	30	30	27	28	21	21	51	32	29	29	29	24	22	23	31.8
Lewisburg	Maximum	63	58	56	43	33	43	51	44	43	46	49	44	40	41	36	42	54	53	38	47	47	34	35	55	55	34	45	41	36	39	49	45.0
	Minimum	28	46	38	26	26	26	26	35	28	17	35	34	32	30	29	29	31	30	24	22	31	20	26	33	29	20	29	17	28	15	19	27.7
Marlinton	Maximum	56	52	46	32	28	40	44	40	38	40	44	34	36	34	32	38	52	50	36	42	40	34	34	50	42	32	38	34	34	32	42	39.5
	Minimum	22	36	28	20	20	20	22	26	20	10	26	20	24	24	20	24	22	24	18	14	22	20	20	28	22	12	18	10	14	6	12	20.1
Point Pleasant	Maximum	65	64	55	41	40	48	50	43	43	46	51	50	44	40	44	54	68	57	40	44	46	33	49	66	65	56	46	40	43	40	48	49.0
	Minimum	45	49	34	30	30	31	25	33	30	25	32	37	33	31	33	34	47	28	30	24	33	18	28	31	30	28	37	20	20	17	20	30.4
Powellton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	32	32	33	....	32	....	....	28	....	....	....	27	28	31	....	....	25	....	25	26	....	25	25	25	....	....	25	24	24	20	20	26.7
Robertsburg§	Maximum	68	63	45	35	38	49	49	37	43	46	50	46	43	42	43	58	67	41	42	47	40	50	57	60	33	37	45	45	37	46	48	46.8
	Minimum	31	45	37	32	30	31	26	27	29	23	24	33	33	30	31	31	38	29	29	24	25	18	19	47	31	28	28	20	21	17	21	28.6
Ryan	Maximum	68	62	56	38	40	47	52	42	43	42	52	50	45	40	40	57	68	61	42	55	45	34	60	60	45	38	45	43	40	45	50	48.6
	Minimum	32	49	31	28	27	26	21	32	27	17	26	36	31	29	30	29	41	28	24	20	30	14	30	45	28	26	22	13	29	11	21	27.5
Spencer §	Maximum	68	62	63	40	34	44	51	40	39	49	50	38	40	45	63	65	65	40	50	40	52	52	62	55	55	62	44	44	35	50	49	49.9
	Minimum	32	50	31	31	29	32	25	25	27	27	25	38	32	31	32	44	27	26	23	29	15	32	42	51	29	26	27	12	35	15	20	29.7
Union	Maximum	60	63	59	....	52	43	59	....	51	....	50	54	52	45	41	45	48	....	61	50	....	....	....	....	....	60	48	45	42	38	37	50.1
	Minimum	32	30	39	....	21	26	28	....	29	....	25	22	27	30	31	29	24	....	21	22	....	....	....	....	....	21	20	17	30	15	16	25.4
White Sulphur Spgs§	Maximum	59	51	50	46	43	53	41	40	42	45	48	51	52	43	51	50	45	52	54	45	42	56	58	52	49	44	50	35	44	40	....	47.7
	Minimum	40	39	24	26	22	25	32	30	28	14	29	32	33	30	29	31	28	51	20	28	20	32	36	36	33	20	23	15	15	26	22	27.4
Williamson§	Maximum	63	60	43	38	48	48	54	47	42	48	50	48	47	48	42	57	66	40	42	49	48	47	62	56	46	38	43	48	44	48	48	48.6
	Minimum	34	43	43	33	34	33	33	33	33	28	29	35	40	37	36	33	37	32	29	30	31	26	26	44	35	29	30	28	29	25	26	32.7

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXIX. PARKERSBURG, W. VA., YEAR, 1921. No. 13.

GENERAL SUMMARY.

The year was exceptionally warm, the average temperature, 55.6°, being the highest of State record, or nearly 1° above the State average for 1898. The maximum temperatures were well within previous records but the cold periods were of short duration and of only moderate intensity. While the precipitation averaged slightly below the normal it was well distributed and generally sufficient for crop growth. The snowfall was the lightest of State record, except for 1898 and 1919.

The winter, spring, and early fall months were warm, the temperature averaging much above the normal for February, March, and September. June and July were also warm, but May, August, and October were somewhat cooler than usual

The rainfall was deficient monthly until August, except for May, when it was in excess. October was also drier than usual. August, September, November, and December were wet, the November rainfall being the greatest of November State record.

The conditions were generally favorable for crops. However, cold periods in March and April caused great damage to fruit. Droughty conditions in June also caused nearly a total failure of the potato crop in many sections.

The season of growth was longer than usual, extending from about April 20 to October 13 in most of the agricultural districts, although killing frosts occurred near the middle of May in a few of the more elevated localities.

The average cloudiness was somewhat below the normal. The sunshine at Parkersburg averaged 57 per cent of the possible amount, or 11 per cent above the normal. The average at Elkins was 47 per cent. or 3 per cent above the normal.

The wind movement at Parkersburg was 46,845 miles and at Elkins 44,156 miles.

THE WEATHER BY MONTHS.

JANUARY.—January was much warmer and drier than usual and free from cold periods. It was one of the most pleasant months of winter record. The precipitation was favorably disributed and the snowfall averaged about one-half of the normal. The temperature was lowest on the 12-13th, 18-20th, and 25-26th.

FEBRUARY.—February, like December and January, was nearly continuously seasonably warm and pleasant, completing one of the warmest and most favorable winters of State record. The precipitation was considerably below the normal and well distributed, although the snowfall was slightly above the normal, due to a moderately heavy storm at the beginning of the last ecade. The highest temperatures, near the February State ecord, occurred on the 16th.

MARCH.—March was exceptionally warm, the average temerature being 1.4° higher than the previous warmest March of tate record and 10° above the March normal. Peach, pear, lum, and cherry trees were in bloom during the last decade, nd freezing temperature on the 28th caused great damage. The rainfall averaged considerably below the normal and the nowfall was unimportant.

APRIL.—April was an exceptionally pleasant month. The verage temperature for the State, 55.8°, was the highest of pril record, except in 1896, the rainfall was much below the ormal and well distributed, and more sunshine was received han during any other April of record. However, owing to the nseasonably warm weather during February and March, which developed fruit buds and bloom, a cold period on the 11-12th caused great damage to fruit.

MAY.—While May averaged only somewhat cooler than usual, the month was characterized by nearly continuously cool weather until the 20th and by moderately warm weather during the last decade. Temperature near freezing or slightly below occurred in many localities on the 1st, 9th, and 17th, causing considerable damage to fruit and wheat. The rainfall was above the normal. Heavy and washing rains were received in the eastern counties. Hail also caused considerable damage in a few localities.

JUNE.—June was much warmer and drier than usual. The conditions were generally decidedly droughty until near the end

(Continued on page 51.)

Dates on which First and Last Killing Frost Occurred or Minimum Temperature Fell to 32 Degrees.

Station.	Last in Spring.	First in Autumn.	Station.	Last in Spring.	First in Autumn.
Bancroft	April 19	Oct. 13	Morgantown	April 19	Oct. 13
Bayard	....	Oct. 7	Moundsville	April 20	Oct. 13
Beckley	April 18	Oct. 8	New Cumberland	April 19	Oct. 27
Bens Run	April 19	Oct. 27	New Martinsville	April 19	Oct. 14
Bluefield	April 20	Oct. 9	Parkersburg	April 12	Oct. 13
Brandywine	May 17	Oct. 9	Parsons	April 17	Oct. 6
Buckhannon	April 19	Oct. 14	Philippi	May 16	Oct. 13
Burlington	April 12	Oct. 9	Piedmont	April 12	Oct. 9
Cairo	April 20	Oct. 13	Pickens	May 16	Oct. 6
Charleston	April 20	Nov. 1	Point Pleasant	April 19	Oct. 13
Creston	April 20	Oct. 13	Powellton	....	Oct. 13
Cuba	April 19	Oct. 13	Robertsburg	April 19	Oct. 13
Elkins	April 20	Oct. 14	Romney	April 12	Oct. 9
Fairmont	April 19	Oct. 13	Ryan	May 1	Oct. 5
Gary	April 20	Oct. 9	Smithfield	April 20	Oct. 13
Glenville	May 1	Oct. 13	Spencer	April 20	Oct. 13
Grafton	April 19	Oct. 13	Stony River Dam	May 2	Oct. 13
Green Sulphur Springs	May 1	Oct. 9	Sutton	May 1	Oct. 8
Hinton	April 21	Oct. 9	Terra Alta	May 17	Oct. 9
Huntington	April 12	Oct. 13	Union	May 8	Oct. 13
Lewisburg	May 9	Oct. 6	Upper Tract	April 24	Oct. 12
Logan	April 16	....	Wardensville	May 5	Oct. 13
Lost Creek	May 1	Oct. 13	Wellsburg	April 19	Oct. 9
Mannington	April 20	Oct. 13	Weston	April 19	Oct. 14
Marlinton	May 17	Oct. 1	Wheeling	April 19	Oct. 13
Martinsburg	April 12	Oct. 14	White Sulphur Springs	May 16	Oct. 6
Moorefield	April 12	Oct. 13	Williamson	April 12	Nov. 6

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA.

Year.	Temperature.			Precipitation.			Number of days.			
	State mean.	Highest.	Lowest.	State average.	Greatest local amount.	Average snowfall.	With precip. .01 inch or more.	Clear.	Partly Cloudy.	Cloudy.
1891	52.0	.....	.....	45.96	.....	.....	.....	.....	.....	.....
1892	52.1	99	−12	38.33	7.20	.....	.....	.....	.....	.....
1893	52.0	99	−25	39.82	7.85	.....	116	.....	.....	.....
1894	53.5	103	−29	34.52	7.48	.....	102	155	114	96
1895	51.5	107	−21	32.82	7.69	.....	100	150	111	104
1896	53.6	97	−10	43.49	15.70	.....	111	132	128	106
1897	53.5	103	−18	41.59	8.42	.....	116	141	113	111
1898	54.8	103	−13	47.61	11.57	20.6	117	133	129	103
1899	53.2	100	−35	40.97	8.64	36.1	108	142	107	116
1900	54.1	104	−11	37.62	9.00	30.6	114	135	116	114
1901	52.1	104	−11	44.78	11.10	28 2	116	128	95	142
1902	52.8	104	−14	42.19	9.95	49.1	112	130	114	116
1903	52.0	105	−19	40.55	12.30	29.3	112	151	102	112
1904	50.9	98	−20	33.33	8 29	31.7	111	148	110	108
1905	52.3	100	−22	45.53	10.64	35.3	117	144	102	119
1906	54.0	101	−11	44.36	11.15	40.2	130	134	101	130
1907	51.7	98	−23	52.15	13.36	35.0	138	128	102	135
1908	53.7	101	−16	40.47	11.45	38.0	116	155	110	101
1909	53.0	101	−10	43.02	10.50	30.3	126	143	109	113
1910	52.3	98	−11	38.60	13.16	47.4	118	140	103	122
1911	54.6	106	− 5	47.13	12.63	23.2	131	140	97	128
1912	51.7	100	−34	43.78	14.02	33.9	124	159	81	126
1913	53.9	103	− 4	49.02	10.53	31.6	122	162	79	124
1914	52.3	106	−22	39.71	10.05	67.7	116	153	81	131
1915	52.8	101	− 8	43.76	11.38	29.4	125	146	84	135
1916	52.6	104	−18	44.63	10.79	43.9	121	157	92	117
1917	49.9	104	−37	44.33	14.20	54.6	123	163	74	128
1918	53.2	110	−27	44 77	10.28	37.7	122	160	83	122
1919	54.0	104	−16	47.27	13.08	16.8	118	164	78	123
1920	52.0	99	−11	41.62	9.70	25.7	120	147	75	144
1921	55.6	101	−10	45.45	10.67	22 4	122	145	93	127
1891–1921	52.8	110	−37	42.55	15.70	34.9	118	146	99	120

CLIMATOLOGICAL DATA FOR THE YEAR 1921.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).							Number rainy days.	Sky.			Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall.		Number clear days.	Number partly cloudy days.	Number cloudy days.	
PANHANDLE DIVISION.																				
Bayard	Grant	2,700	20	.....	.....	.....	-10	Feb. 21	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brandywine	Pendleton	.....	6	54.4	95	July 7	-4	Feb. 21	6	24.82	3.90	Nov.	1.00	Jan.	20.5	79	.....	.....	.....	s.
Burlington	Mineral	875	28	54.1	94	June 28	-7	Feb. 21	28	32.09	6.48	May	0.60	Jan.	31.0	79	120	186	59	w.
Harpers Ferry	Jefferson	244	.....	.....	.....	.....	.....	.....	33	.....	8.53	May	0.32	Oct.	20.1	.....	.....	.....	.....	.....
Martinsburg	Berkeley	435	30	56.4	97	July 8	8	Feb. 21	30	43.56	10.67	May	1.00	Oct.	25.0	93	203	86*	76*	e.
Moorefield	Hardy	900	26	.....	100	July 7	9	Dec. 22	26	.....	4.95	May	0.45	Jan.	17.7	.....	.....	.....	.....	.....
Piedmont	Mineral	919	6	54.5	95	July 8	-1	Feb. 21	6	40.64	6.15	May	1.68	Apr.	.....	.....	.....	.....	.....	se.
Romney	Hampshire	824	25	56.8	97	July 27	-5	Feb. 21	25	40.33	8.90	July	1.04	Jan.	16.0	73	.....	.....	.....	.....
Upper Tract	Pendleton	1,230	24	53.9	93	July 27†	3	Feb. 21	24	21.16	4.38	July	0.10	Jan.	13.0	51	.....	.....	.....	w.
Wardensville	Hardy	1,200	4	.....	94	June 28†	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Averages and extremes	.....	.....	.....	55.0	100	July 7	-10	Feb. 21	.....	33.77	10.67	May	0.10	Jan.	20.5	75	162	136	67	s.
NORTHERN DIVISION.																				
Bens Run	Pleasants	622	21	57.2	97	July 4†	10	Feb. 21	21	41.96	6.82	Nov.	1.89	Oct.	26.5	114	207	81	77	.....
Bruceton Mills	Preston	1,549	.....	.....	.....	.....	.....	.....	11	58.87	9.07	Sept.	2.81	Apr.	51.5	148	62	121	182	sw.
Buckhannon	Upshur	1,411	26	55.9	91	July 8	-2	Feb. 21	31	55.67	7.70	Nov.	2.32	Oct.	29.7	117	194	66*	105*	.....
Cairo	Ritchie	680	22	56.3	96	July 4†	0	Feb. 21	17	47.59	6.45	Nov.	2.10	July	15.4	125	126	100	139	.....
Cortland	Tucker	3,558	.....	.....	.....	.....	.....	.....	10	49.42	7.24	May	2.01	Apr.	.....	103	88	213	64	.....
Creston	Wirt	701	21	57.8	98	July 7	2	Feb. 21	21	48.27	7.40	Nov.	2.53	Oct.	14.8	126	138	46	181	sw.
Dam 12 O. R.	Ohio	605	.....	.....	.....	.....	.....	.....	6	50.33	7.52	Sept.	1.51	Oct.	.....	139	.....	.....	.....	.....
Dam 13 O. R.	Ohio	557	.....	.....	.....	.....	.....	.....	6	47.30	6.46	Sept.	1.50	Oct.	.....	142	.....	.....	.....	.....
Elizabeth	Wirt	646	.....	.....	.....	.....	.....	.....	11	47.98	6.82	Nov.	2.06	Oct.	.....	107	.....	.....	.....	.....
Elkins	Randolph	1,940	22	53.3	89	July 8	3	Feb. 21	22	51.39	6.82	Aug.	2.26	Apr.	35.9	170	70	143	152	w.
Fairmont	Marion	883	17	56.3	99	July 8	7	Jan. 13†	30	47.77	7.19	Nov.	1.63	July	28.0	148	225	31	109	w.
Glenville	Gilmer	738	29	58.7	100	July 5	-5	Feb. 21	35	46.36	7.49	Nov.	1.08	July	19.2	129	180	94	91	w.
Grafton	Taylor	1,000	29	56.1	95	July 4†	-3	Feb. 21	30	45.21	5.83	Sept.	2.12	May	.....	.....	.....	.....	.....	e.
Lost Creek	Harrison	1,026	25	55.3	94	July 8	-10	Feb. 21	26	47.22	7.60	Nov.	2.03	July	22.3	108	175	67	123	w.
Mannington	Marion	974	20	54.7	91	July 4†	-7	Feb. 21	20	51.49	7.86	Nov.	2.48	Feb. †	28.5	164	135	89	141	w.
Morgantown	Monongalia	1,250	30	56.0	95	July 8	2	Feb. 21	48	42.82	6.76	Sept	1.28	Feb.	23.5	82	.....	.....	.....	.....
Moundsville	Marshall	642	20	.....	100	July 8	8	Jan. 13†	20	48.86	8.30	Sept.	1.25	July	.....	120	.....	.....	.....	sw.
New Cumberland	Hancock	987	25	54.0	97	June 25	8	Dec. 22	25	43.22	5.63	Nov.	1.98	Oct.	16.8	147	148	64	153	s.
New Martinsville	Wetzel	634	29	57.8	100	July 4	9	Feb. 21	30	49.15	7.48	Nov.	1.85	July	.....	115	175	71	119	s.
Parkersburg	Wood	638	34	57.5	95	July 8	15	Dec. 22	34	42.97	5.56	Nov.	1.97	Oct.	15.6	143	126	97	142	se.
Parsons	Tucker	1,656	23	54.4	101	July 8	-7	Feb. 21	23	45.49	6.00	Nov.	1.18	Apr.	40.0	.....	.....	.....	.....	.....
Philippi	Barbour	1,149	26	56.0	92	June 25†	2	Feb. 21	29	56.46	8.31	June	2.44	Feb.	27.0	133	132	74	159	w.
Pickens	Randolph	2,697	20	52.3	91	July 5	-1	Jan. 13	32	69.72	8.51	Nov.	2.82	Jan.	86.0	138	176	68	121	w.
Rowlesburg	Preston	1,375	.....	.....	.....	.....	.....	.....	37	59.08	7.53	Aug.	3.15	Feb.	.....	147	.....	.....	.....	w.
Saint Marys	Pleasants	577	.....	.....	.....	.....	.....	.....	13	48.10	6.59	Nov.	1.88	Oct.	.....	135	.....	.....	.....	sw.
Smithfield	Wetzel	835	17	53.4	92	July 8	-3	Feb. 21	17	55.58	8.67	June	2.70	Oct.	28.0	162	220	68	77	sw.
Stony River Dam	Tucker	.....	1	.....	86	July 8	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	w.
Terra Alta	Preston	2,612	22	50.6	86	July 7	-2	Jan. 13	22	.....	8.02	Aug.	.....	.....	.....	.....	.....	.....	.....	w.
Wellsburg	Brooke	1,225	22	54.6	96	July 3†	3	Feb. 21	30	42.27	6.08	Nov.	1.34	July	14.0	126	167*	78*	120	w.
Weston	Lewis	1,026	27	57.2	92	July 4†	-1	Feb. 21	33	52.76	7.63	Nov.	2.12	Apr.	27.5	168	74	141	150	ne.
Wheeling	Ohio	645	36	56.4	100	July 4	8	Dec. 22	38	50.92	7.49	Sept.	1.28	Oct.	16.9	141	133	111	121	w.
Averages and extremes	.....	.....	.....	55.5	101	July 8	-10	Feb. 21	.....	49.80	9.07	Sept.	1.08	July	28.4	133	148	91	126	w.
SOUTHERN DIVISION.																				
Bancroft	Putnam	574	19	56.6	93	July 4†	8	Feb. 21	19	47.10	7.71	Nov.	2.02	Jan.	14.6	152	146	43	176	s.
Beckley	Raleigh	2,440	22	.....	84	Apr. 26†	.....	.....	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	sw.
Bluefield	Mercer	2,558	27	56.3	90	July 4	8	Jan. 11	27	38.41	4.54	Aug.	1.89	Apr.	22.5	176	.....	.....	.....	.....
Camden-on-Gauley	Webster	2,062	.....	.....	.....	.....	.....	.....	5	38.98	7.95	Nov.	1.00	Oct.	8.0	62	177	10	178	s.
Charleston	Kanawha	597	19	.....	97	July 4†	12	Feb. 21	37	56.11	8.81	Nov.	2.36	Jan.	9.0	110	179	15	171	w.
Clay	Clay	706	5	.....	.....	.....	.....	.....	6	48.09	9.46	Aug.	1.06	Jan.	.....	126	.....	.....	.....	.....
Cuba	Jackson	650	20	57.2	94	July 28	8	Feb. 21	20	42.46	6.55	Nov.	2.15	July	10.0	107	96	178	91	w.
Dam 19 O. R.	Wood	557	.....	.....	.....	.....	.....	.....	5	47.88	7.33	Nov.	1.60	Oct.	.....	139	.....	.....	.....	.....
Dam 20 O. R.	Wood	551	.....	.....	.....	.....	.....	.....	4	47.96	6.91	Nov.	1.76	Oct.	.....	131	.....	.....	.....	.....
Dam 22 O. R.	Jackson	538	.....	.....	.....	.....	.....	.....	6	39.13	7.01	Nov.	1.92	Oct.	.....	99	.....	.....	.....	.....
Dam 26 O. R.	Mason	505	.....	.....	.....	.....	.....	.....	6	41.28	6.53	Nov.	1.44	Oct.	.....	96	.....	.....	.....	.....
Gary	McDowell	1,426	4	.....	93	Aug. 2	15	Jan. 13	4	39.52	5.63	Nov.	1.85	Oct.	.....	150	.....	.....	.....	.....
Green Sulphur Springs	Summers	1,600	26	.....	.....	.....	4	Jan. 13	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	w.
Hinton	Summers	1,450	25	56.8	95	Sept. 14†	12	Jan. 13	33	38.85	6.28	June	1.12	Mar.	17.0	135	113	13	239	s.
Huntington	Cabell	538	26	58.5	101	June 25	15	Jan. 13†	27	47.09	7.32	Nov.	2.26	Feb.	9.5	133	162	38	165	w.
Kanawha Falls	Fayette	618	.....	.....	.....	.....	.....	.....	5	38.06	5.31	July	1.32	Sept.	.....	83	.....	.....	.....	.....
Kayford	Kanawha	1,335	.....	.....	.....	.....	.....	.....	5	51.04	6.86	Nov.	1.83	Mar.	.....	145	.....	.....	.....	.....
Lewisburg	Greenbrier	2,200	22	54.1	92	July 5	-2	Jan. 13	30	36.44	4.42	Dec.	1.31	Mar.	26.5	116	172	81	112	nw.
Marlinton	Pocahontas	2,131	23	48.1	88	June 28†	-4	Feb. 25	23	40.70	4.62	Dec.	1.59	Feb.	24.5	128	46	221	98	sw.
Miller	Fayette	.....	.....	.....	.....	.....	.....	.....	1	54.03	8.41	June	1.83	Mar.	.....	138	.....	.....	.....	.....
Point Pleasant	Mason	553	29	.....	.....	.....	10	Feb. 21	32	44.36	6.88	Nov.	1.45	Oct.	10.0	117	.....	.....	.....	.....
Powellton	Fayette	993	23	.....	98	July 8	8	Feb. 25	23	36.64	4.78	Dec.	1.26	Jan.	10.6	.....	.....	.....	.....	.....
Raleigh	Raleigh	2,130	.....	.....	.....	.....	.....	.....	5	49.45	6.59	June	1.75	Mar.	.....	153	.....	.....	.....	.....
Renick	Greenbrier	1,653	.....	.....	.....	.....	.....	.....	6	40.05	7.53	Nov.	1.34	June	.....	74	.....	.....	.....	.....
Robertsburg	Putnam	574	22	57.4	100	July 4	5	Feb. 21	22	45.07	6.54	Nov.	2.22	June	8.5	123	127*	53	185*	s.
Ryan	Roane	700	19	56.5	94	July 8	-5	Feb. 21	19	46.35	5.34	May	2.40	Jan.	21.2	154	129	93	143	.....
Sharples	Logan	.....	.....	.....	.....	.....	.....	.....	1	45.42	6.79	July	2.07	Mar.	.....	88	.....	.....	.....	.....
Spencer	Roane	784	17	57.1	94	July 8	10	Jan. 19†	24	45.74	6.60	June	2.18	Oct.	11.8	91	43	247	75	.....
Sutton	Braxton	839	18	.....	96	July 2†	.....	.....	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Union	Monroe	2,250	18	55.0	92	July 8	2	Jan. 13	18	32.63	4.12	June	0.63	Mar.	17.3	72	.....	.....	.....	.....
White Sulphur Springs	Greenbrier	1,940	12	54.9	93	July 7†	2	Jan. 12	12	38.95	7.02	Sept.	0.83	Mar.	.....	123	219	95	51	.....
Williamson	Mingo	660	22	57.5	92	July 4	20	Jan. 19†	22	44.15	5.85	July	1.94	Mar.	18.0	135	202	63*	100	w.
Averages and extremes	.....	.....	.....	55.8	101	June 25	-5	Feb. 21	.....	43.52	9.46	Aug.	0.63	Mar.	14.5	120	139	89	137	w.
State averages and	extremes	.....	.....	55.6	101	June 25†	-10	Feb. 21	.....	45.45	10.67	May	0.10	Jan.	22.1	122	145	93	127	w.

* 1 day interpolated from nearby stations.

† And other dates.

Monthly and Annual Mean Temperatures for the Year 1921, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November		December		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
PANHANDLE DIVISION																										
Bayard	32.6[c]	+4.6	32.7	+ 2.3	48.3	+10.6	.....	.....	.....	.....	.....	.....	.....	.....	64.6[j]	−1.4	66.6	+6.6	49.6	+0.8	43.9	+5.7	33.6	+5.1	.....	.....
Brandywine	34.9	.....	36.3	.....	51.6	.....	54.7	.....	58.8	.....	70.1	.....	73.7	.....	68.0	.....	69.8	.....	52.8	.....	46.0	.....	36.2	.....	51.4	.....
Burlington	33.6	+2.9	35.2	+ 4.9	50.4	+ 9.2	55.1	+4.8	59.5	−2.0	69.2	+0.9	75.0	+2.4	70.0	−1.2	69.6	+5.4	52.2	−1.7	43.8	+1.7	35.5	+3.3	51.1	+2.6
Martinsburg	33.7	+3.2	35.9	+ 5.9	51.9	+10.6	57.8	+6.3	61.8	−1.3	73.4	+2.8	78.6	+3.3	70.7	−2.3	72.8	+6.7	51.9	+0.3	44.8	+2.1	35.2	+2.5	56.1	+3.3
Moorefield	40.2	+8.3	42.8	+10.5	58.0	+14.1	61.0	+6.2	63.2	−0.1	73.8	+4.2	77.6	+3.2	72.6[h]	−0.7	73.0[l]	+6.3	57.4[b]	+1.8	.....	.....	38.4[j]	+5.3	.....	.....
Piedmont	33.5	.....	35.0	.....	50.8	.....	56.4	.....	60.2	.....	71.0[f]	.....	75.6	.....	68.2[n]	.....	71.2	.....	52.8	.....	44.4	.....	34.9	.....	54.5	.....
Romney	36.6[b]	+5.7	39.6[c]	+ 7.4	52.8[e]	+10.2	59.4	+7.8	62.3	−0.7	72.6	+2.7	76.7	+1.8	69.6	−3.3	71.7	+5.6	55.2	0	46.4	+3.7	39.0[g]	+6.6	56.8	+4.0
Upper Tract	32.6[b]	−0.7	35.4[c]	+ 3.2	51.0	+ 8.1	52.8[d]	+1.8	57.6	−4.1	69.4[c]	+1.5	73.3[c]	+1.3	68.4	−2.6	70.1[d]	+4.6	53.8[d]	−1.7	45.0[d]	+1.4	37.8[c]	+1.3	53.9	+1.4
Wardensville	.....	.....	.....	.....	.....	.....	50.8	.....	56.4[a]	.....	.....	.....	74.8[d]	.....	68.6[b]	.....	68.0[b]	.....	54.7[a]	.....	43.7[b]	.....	.....	.....	.....	.....
NORTHERN DIVISION																										
Bens Run	36.4	+4.3	37.6	+ 5.8	52.4	+ 9.2	56.7[b]	+4.5	63.8	+0.6	75.3	+5.0	78.6	+3.7	72.2	−1.6	72.4	+4.7	55.8	−0.9	47.6	+4.3	37.6	+4.2	57.2	+3.6
Buckhannon	38.0	+6.3	38.8	+ 7.3	51.5	+12.9	56.0	+4.9	61.2	−0.7	71.0	+2.4	74.0	+2.0	69.3	−1.0	69.8	+5.8	52.8	−0.6	47.6	+6.2	38.0	+5.0	55.9	+1.2
Cairo	36.0	+1.1	37.9	+ 5.4	52.4	+ 7.1	56.2	+1.4	62.7	−1.1	73.8	+3.3	76.6	+2.4	71.3	−1.5	71.4	+3.5	54.4	−2.4	46.0	+2.2	36.6	+2.1	56.3	+2.0
Wheat Bridge	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31.4[a]	.....	.....	.....
Creston	37.6	+4.2	39.6	+ 6.8	55.0	+10.8	58.0	+5.0	64.0	+0.5	74.8	+4.2	78.0	+3.4	72.0	−1.4	72.5	+5.3	55.7	−0.1	47.9	+4.2	38.9	+5.0	57.8	+4.0
Elkins	35.0	+6.0	35.6	+ 4.1	51.0	+11.9	51.9	+3.2	58.4	−0.7	68.6	+2.0	72.6	+2.1	67.6	−0.8	68.3	+6.4	51.3	−0.1	44.8	+5.2	34.6	+2.1	53.3	+3.4
Fairmont	35.0	+2.3	36.4	+ 4.2	52.2	+10.5	56.6	+4.8	63.6	+1.2	74.4	+4.1	79.3	+5.1	72.2	−1.0	72.8	+6.2	53.4	−2.1	44.8	+2.4	35.0	+2.8	56.3	+3.4
Glenville	38.5	+5.4	40.2	+ 7.5	56.2	+11.9	57.8	+4.4	64.8	+1.3	75.7	+4.9	79.2	+4.3	73.6	−0.3	74.5	+6.8	56.3	+0.3	48.4	+4.8	39.2	+4.3	58.7	+4.6
rafton	35.3	+2.9	37.7[d]	+ 6.1	53.8	+11.1	56.6	+5.0	62.5[c]	+0.4	72.7	+3.4	76.0[a]	+3.2	71.1	−0.6	71.8	+5.4	53.1	−2.5	44.8	+1.9	37.6[m]	+3.7	56.1	+3.3
ost Creek	36.7	+4.0	37.8	+ 6.8	52.6	+ 9.9	54.8	+4.6	61.0	−0.1	71.7	+3.9	74.8	+2.6	69.2	−0.8	70.2	+5.3	52.0	−2.8	46.2	+4.0	37.0	+3.2	55.3	+3.4
Mannington	35.6	+4.4	36.8	+ 5.8	51.4	+ 8.5	55.3	+4.1	60.2	−0.8	70.2	+2.1	74.4	+2.4	68.2	−2.7	69.2	+4.6	52.2	−2.3	45.8	+4.5	36.8	+4.3	54.7	+2.9
Morgantown	30.6[b]	− 1.3	37.4	+ 5.9	52.8	+10.2	58.2	+7.0	61.6	−0.9	73.1[a]	+4.0	76.9[a]	+8.3	70.9	−1.4	71.4[e]	+4.2	55.3	−0.2	47.0	+3.6	36.7	+3.2	56.0	+3.6
Moundsville	35.8[b]	+3.9	35.8[d]	+ 4.2	.....	.....	57.2[a]	+5.4	62.2[a]	−0.9	73.6[a]	+3.8	78.2[a]	+3.8	71.0[a]	−1.9	72.4[a]	+5.5	54.8[a]	−1.2	44.2[f]	+0.8	35.9[a]	+2.8	.....	.....
ew Cumberland	32.4	+4.2	34.0	+ 6.3	48.1	+ 8.1	54.8	+5.5	61.2	+0.5	72.4	+4.5	77.2	+4.4	69.0	−1.9	70.1	+5.2	52.3	−2.2	42.9	+1.6	33.4	+2.6	54.0	+3.2
ew Martinsville	37.6	+5.0	39.1	+ 6.9	52.8	+ 9.2	58.4	+5.4	64.2	+0.6	74.8	+3.4	78.8	+3.5	72.6	−1.5	73.6	+7.2	56.0	−1.1	47.8	+3.3	38.0	+3.2	57.8	+3.8
arkersburg	37.4	+6.1	38.2	+ 4.4	53.3	+10.9	57.6	+4.7	64.2	+0.8	75.0	+3.6	78.6	+3.0	72.4	−0.8	72.8	+6.8	55.7	+1.2	47.2	+4.0	37.4	+2.3	57.5	+3.9
arsons	34.6	+3.4	35.6	+ 5.9	51.1	+11.2	55.2	+6.5	59.2	+0.1	71.2	+5.1	75.9	+5.8	68.4	−0.8	70.4	+7.5	49.5[i]	−3.5	46.6	+5.7	35.0	+3.8	54.4	+4.2
hilippi	36.6	+3.7	38.4	+ 7.2	54.3	+11.8	57.4	+6.2	60.4	−1.3	71.5	+3.1	75.1	+2.7	69.7	−2.0	70.0	+4.7	51.6	+0.1	46.5	+3.4	37.2	+3.9	56.0	+3.6
ickens	33.0	+5.0	35.6	+ 4.0	51.0	+10.3	51.0[a]	+2.7	57.4[a]	−1.4	67.6	+2.5	71.4[a]	+2.8	66.6	−0.2	67.2	+5.6	50.6	−1.8	43.4	+2.8	32.8	+0.7	52.3	+2.8
mithfield	31.8	+1.2	34.0	+ 3.4	51.4	+ 9.8	53.8	+2.8	60.9	−0.1	69.6	+1.7	71.1	−0.7	67.6	−3.4	68.8	+4.3	50.6	−3.0	44.7	+3.6	35.6	+4.1	53.4	+2.0
ony River Dam	30.3[a]	.....	31.6[a]	.....	49.2[i]	.....	51.5[a]	.....	55.4[a]	.....	66.4[a]	.....	70.4[a]	.....	64.4[a]	.....	66.0[a]	.....	50.9[a]	.....	40.6[a]	.....	.....	.....	.....	.....
erra Alta	30.3	+2.5	31.8	+ 4.0	48.6[b]	+ 9.6	51.1	+3.8	54.5	−4.5	65.2	−0.6	68.4	−0.7	62.6[a]	−5.3	65.2	+2.9	49.3[f]	−2.6	42.8[a]	+1.3	37.7	+7.7	50.6	+1.5
ellsburg	33.4	+3.7	35.3	+ 7.8	50.5	+11.3	56.1	+7.1	61.2	+0.6	72.9	+5.3	76.8	+4.9	68.4	−2.0	69.4	+5.2	51.8	−2.3	44.3	+3.0	34.7	+3.7	54.6	+1.0
eston	38.4	+5.0	39.5	+ 7.6	55.1	+11.3	56.6	+4.1	62.2	−0.9	72.8	+2.5	76.2	+1.9	71.0	−2.0	72.0	+5.2	54.9	−0.6	48.4	+5.1	38.8	+3.8	57.2	+3.6
heeling	33.8	+2.8	36.4	+ 5.6	50.8	+ 9.6	57.4	+5.3	63.5	+0.6	75.4	+4.5	80.0	+4.9	72.0	−1.4	73.0	+6.6	55.4	−0.2	44.0	+1.9	34.7	+2.8	56.4	+3.6
SOUTHERN DIVISION																										
ncroft	36.6	+2.2	37.8	+ 4.1	53.8	+ 9.3	56.0	+2.5	62.4	−1.4	73.4	+2.5	76.4	+1.3	71.5	−2.1	72.1	+3.8	54.2	−3.2	46.9	+2.4	38.5	+3.6	56.6	+2.1
eckley	.....	.....	.....	.....	.....	.....	54.0[a]	+4.1	58.4[a]	−1.8	68.8	+1.6	70.6[a]	−0.7	64.8[a]	−5.1	68.6[e]	+5.1	47.9	−5.3	47.5	+4.7	33.9	+0.5	.....	.....
uefield	36.4	+1.9	39.6	+ 5.7	55.0	+10.7	55.6	+2.4	60.3	−1.6	71.8	+3.0	73.3	+1.7	70.0	−0.9	70.3	+4.6	54.3	−1.7	48.4	+4.0	40.7[c]	+5.5	56.3	+2.9
arleston	40.8	+2.3	41.4	+ 6.0	57.3	+ 8.6	.....	.....	65.5	−0.4	76.6	+3.5	79.4	+2.9	73.2	−2.4	75.2	+5.1	57.1	−2.2	49.9	+1.7	40.8	+1.1	.....	.....
oa	38.2	+4.9	40.0	+ 7.2	53.4	+ 9.1	58.2	+5.5	62.4	−0.9	73.0	+3.9	76.0	+2.7	70.4	−1.7	71.8	+4.4	55.2	−1.0	48.7	+4.9	38.6	+4.5	57.2	+3.6
ans	38.9	.....	40.4	.....	54.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ry	31.2[b]	.....	31.6	.....	.....	.....	.....	.....	59.8[c]	.....	73.2	.....	75.4[a]	.....	71.9	.....	72.6	.....	53.8	.....	47.7	.....	40.6[a]	.....	.....	.....
een Sulphur Springs	35.4	+2.5	38.9	+ 6.5	54.4	+11.1	55.2	+4.4	60.0	−1.4	71.3	+2.8	74.3	+1.8	.....	.....	.....	.....	52.0	−2.6	48.1	+5.4	38.4	+4.9	.....	.....
nton	35.6	+1.4	39.7	+ 5.7	55.1	+10.9	56.3	+3.4	62.1	−1.7	71.5	+1.0	75.0	+0.8	71.2	−2.5	73.8	+6.2	55.3[a]	−1.3	47.3	+3.3	38.8	+3.9	56.8	+2.6
ntington	37.9	+5.1	39.2	+ 6.6	55.8	+11.2	59.0	+5.0	66.6	+1.7	78.4	+5.8	78.5	+1.8	73.0	−2.8	72.6	+4.4	54.4	−1.8	47.0	+3.4	39.5	+5.1	58.5	+3.8
wisburg	33.7	+1.8	36.8	+ 4.8	52.2	+ 9.7	53.2	+3.2	58.4	−2.2	69.8	+2.6	73.1	+2.0	68.0	−1.9	69.5	+5.4	52.2	−1.4	45.6	+4.1	36.4	+4.2	54.1	+2.7
gan	39.0[a]	0	42.1[a]	+ 2.5	.....	.....	60.7[l]	.....	67.1[a]	.....	78.5[a]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
rlinton	28.4	+0.2	31.2	+ 2.2	45.3	+ 6.7	46.6	−0.5	53.9	−4.1	65.0	+0.2	69.2	+0.6	61.8	−5.4	63.4	+2.0	44.7	−5.6	38.3	+0.5	29.8	+0.7	48.1	−0.2
int Pleasant	38.4	+4.8	39.8	+ 6.2	55.5	+10.0	59.3[a]	+4.4	66.4[c]	+1.2	76.2[l]	+3.8	.....	.....	.....	.....	73.8	+4.6	56.7	−0.9	48.2	+3.2	39.7	+4.5	.....	.....
wellton	38.7[e]	+1.9	39.9[c]	+ 4.5	53.4[j]	+ 7.7	55.4[c]	+0.9	64.7[p]	+0.8	75.7[n]	+5.0	78.8[j]	+4.5	.....	.....	72.2[j]	+5.1	55.2[h]	−0.9	50.3[k]	+5.6	.....	.....	.....	.....
bertsburg	35.7	+2.3	37.2	+ 4.3	53.8	+ 9.2	56.7	+3.8	61.0	+0.1	75.3	+4.0	79.2	+3.7	73.7[a]	−0.7	73.2	+5.1	55.3[a]	−2.1	46.4	+3.2	37.7	+3.7	57.4	+3.0
an	36.3	+3.0	37.7	+ 4.5	52.6	+ 8.7	55.3	+2.9	62.7	+0.5	73.6	+4.5	76.0	+2.7	72.0	−1.1	72.7	+6.4	54.6	−0.2	46.9	+4.0	38.0	+4.1	56.5	+3.3
encer	35.8	+2.2	39.8	+ 6.0	54.0	+11.1	55.6	+3.1	63.1	+0.5	74.0	+4.1	76.1	+2.5	73.0	−0.3	72.3	+6.4	54.8	−0.4	47.4	+3.8	39.8	+5.3	57.1	+3.7
ton	.....	.....	.....	.....	.....	.....	.....	.....	61.2	−4.1	72.2	−0.6	75.0	−1.3	70.0	−5.8	70.2	+0.1	52.9	−5.6	45.8	+2.0	37.2	+3.6	.....	.....
ion	33.6	+1.0	36.4	+ 3.3	54.0	+11.0	55.6	+5.0	59.6	−1.2	71.0	+4.0	71.2	+0.1	67.4	−3.2	70.6	+5.5	53.6[e]	−0.5	49.4	+8.4	37.8[l]	+5.9	55.0	+3.3
ite Sulphur Springs	31.9	.....	36.6	.....	55.4	.....	54.0	.....	60.0	.....	70.5	.....	74.5	.....	69.0	.....	69.6	.....	53.2	.....	46.3	.....	37.6[a]	.....	54.9	.....
iamson	37.4	+1.5	40.6	+ 4.5	54.8	+ 8.0	54.9	−0.1	63.4	−2.0	74.5	+2.5	76.4	+0.7	72.5	−2.4	72.2	+2.9	54.2	−4.3	48.0	+2.8	40.6	+3.7	57.5	+1.5

Reference letters indicate number of days missing: [a] one day, [b] two days, etc.

TEMPERATURE AND PRECIPITATION DATA FOR 1921.

onth.	Temperature in degrees Fahrenheit.				Precipitation in inches.				Sky.			Prevailing direction of the wind.
	Mean.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest local amount.	Number of rainy days.	Clear.	Pt. Cloudy.	Cloudy.	
ary.	35.5	+ 3.3	71	− 2	2.76	−0.99	5.94	9	11	6	14	w.
uary.	37.4	+ 5.5	79	−10	2.61	−0.45	4.90	9	8	5	15	w.
ch.	52.7	+10.0	90	10	2.84	−0.87	5.75	10	14	8	9	w.
l.	55.8	+ 4.2	95	10	2.50	−1.00	5.09	9	13	7	10	w.
	61.4	− 0.7	96	24	4.48	+0.45	10.67	12	12	7	12	w.
	72.4	+ 3.2	101	38	4.01	−0.44	8.67	9	15	9	6	w.
	75.6	+ 2.6	101	44	3.58	−1.17	8.90	9	16	10	5	w.
ust	69.7	− 2.0	98	37	5.20	+1.39	9.46	9	16	8	7	w.
mber.	70.9	+ 5.1	97	39	4.76	+1.99	9.07	12	12	10	8	w.
ber	53.7	− 1.4	88	21	2.48	−0.36	5.76	8	18	5	8	w.
mber.	46.1	+ 3.5	85	11	5.99	+3.13	8.81	13	7	6	17	w.
mber.	37.0	+ 3.8	79	0	4.25	+0.94	7.51	11	7	7	17	w.
al.	55.7	+ 3.1	101	−10	45.46	+2.62	10.67	120	149	88	128	w.

THE WEATHER BY MONTHS.

(Continued from page 49.)

of the second decade, causing considerable damage to crops, especially potatoes, oats and meadows Torrential rains, attending an electrical storm, fell during the 18th and night of the 18-19th over the western portions of Wetzel and Tyler counties and the northern portion of Doddridge County, causing much damage to crops, roads and oil interests.

JULY.—July was nearly continuously warm, sunshiny, and generally dry. The night temperatures were especially high. As the late winter and early spring months were warm, with also high temperatures in June and July, crops of all kinds were from two to three weeks in advance of the normal at the close of the month. Corn, however, was damaged in sections by high winds during rain squalls and by dry weather during the last decade.

AUGUST.—August was cool. About one-half of the month's rainfall was received on the 2-3d, while the conditions were droughty during the last decade, causing slight damage to corn and pastures.

SEPTEMBER.—September was especially wet and warm. The rainfall was the greatest of September State record, causing con-

(Continued on page 52.)

Monthly and Annual Precipitation for the Year 1921, with Departures from Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
PANHANDLE DIVISION.																										
Bayard	.....	.....	3.16	-0.28	3.44	-1.01	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.20	+1.78	2.62	-0.80	6.24	+3.78	5.04	+2.14	.....	.....
Brandywine	1.00	.....	1.10	.....	1.25	.....	1.85	.....	2.80	.....	1.30	.....	2.85	.....	2.50	.....	3.05	.....	1.15	.....	3.90	.....	2.07	.....	24.82	.....
Burlington	0.60	-2.05	2.23	-0.16	1.87	-1.19	1.23	-1.83	6.48	+2.79	1.49	-2.48	2.47	-1.46	3.96	+0.16	4.43	+1.41	1.38	-0.89	3.10	+0.50	2.85	+0.25	32.09	-4.92
Harpers Ferry	1.02	-1.73	1.73	-0.74	1.57	-1.47	2.53	-0.53	8.53	+4.95	1.49	-2.33	3.25	-0.32	5.46	+1.64	.....	.....	0.32	-2.52	3.59	+0.97	1.11	-1.51	.....	.....
Martinsburg	1.67	-0.92	2.20	-0.23	1.96	-1.26	1.93	-1.22	10.67	+6.98	4.80	+0.44	2.24	-1.65	7.59	+3.69	3.65	+0.84	1.00	-1.72	3.04	+0.32	2.81	+0.09	43.56	+5.36
Moorefield	0.45	-2.12	1.72	-0.61	1.14	-1.55	1.18	-1.80	4.95	+1.43	2.41	-1.76	3.77	+0.38	.....	.....	4.74	+2.18	0.72	-1.51	3.09	+0.83	2.37	+0.11	.....	.....
Piedmont	1.93	.....	2.29	.....	2.00	.....	1.68	.....	6.15	.....	3.02	.....	5.64	.....	4.78	.....	4.71	.....	1.72	.....	4.43	.....	2.29	.....	40.64	.....
Romney	1.04	-1.68	1.38	-0.87	1.30	-1.80	1.05	-1.97	5.77	+2.12	4.68	+0.56	8.90	+5.33	4.34	+0.38	6.25	+3.59	1.21	-1.29	2.52	+0.04	1.89	-0.59	40.33	+3.82
Upper Tract	0.10	-2.45	1.42	-0.27	0.70	-1.84	0.40	-2.07	4.20	+1.02	1.60	-2.58	4.38	+0.53	2.13	-1.62	1.65	-0.67	0.30	-1.90	3.12	+0.91	1.16	-1.05	21.16	-11.99
Wardensville	0.37	.....	1.30	.....	0.75	.....	0.43	.....	2.94	.....	0.47	.....	2.20	.....	.....	.....	3.00	.....	0.28	.....	2.91	.....	.....	.....	.....	.....
NORTHERN DIVISION.																										
Bens Run	3.13	-1.28	2.47	-0.74	3.61	-0.53	2.58	-1.50	3.57	-0.96	2.05	-2.47	3.60	-0.95	3.66	-0.58	4.21	+1.86	1.89	-1.22	6.82	+4.27	4.37	+0.91	41.96	-3.19
Bruceton Mills	5.22	.....	3.68	.....	4.14	.....	2.81	.....	7.46	.....	4.09	.....	3.76	.....	5.26	.....	9.07	.....	2.91	.....	6.74	.....	3.73	.....	58.87	.....
Buckhannon	3.12	-1.34	3.33	-0.52	3.19	-1.39	2.93	-1.32	4.98	+0.46	6.48	+1.50	3.83	-1.51	7.11	+3.01	6.50	+3.37	2.32	-1.14	7.70	+4.30	4.18	+0.17	55.67	+5.59
Cairo	3.27	-0.68	2.59	-0.99	3.93	-0.17	2.68	-1.00	3.27	-0.25	4.47	-0.34	2.10	-2.53	5.36	+1.74	5.43	+2.82	3.28	+0.20	6.45	+3.78	4.76	+1.00	47.59	+3.58
Cheat Bridge	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.99	.....	5.05	.....	6.80	.....	3.88	.....	8.45	.....	6.57	.....	.....	.....
Cortland	2.72	.....	2.45	.....	2.54	.....	2.01	.....	7.24	.....	4.82	.....	4.33	.....	6.13	.....	6.02	.....	2.78	.....	4.81	.....	3.57	.....	49.42	.....
Creston	2.57	-1.28	3.72	+0.84	3.01	-1.03	2.58	-1.43	3.63	-0.28	6.16	+1.89	2.73	-1.29	4.23	+0.78	4.21	+1.63	2.53	-0.48	7.40	+4.90	5.50	+2.17	48.27	+6.42
Dam 10, Mon. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.81	.....	3.61	.....	7.22	.....	4.01	.....	.....	.....
Dam 12, O. R.	3.63	.....	2.47	.....	4.50	.....	2.94	.....	3.52	.....	3.95	.....	5.20	.....	4.35	.....	7.52	.....	1.51	.....	6.65	.....	4.09	.....	50.33	.....
Dam 13, O. R.	4.34	.....	2.07	.....	4.27	.....	2.72	.....	4.33	.....	3.50	.....	2.61	.....	5.51	.....	6.46	.....	1.50	.....	6.07	.....	3.89	.....	47.30	.....
Dam 15, Mon. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.45	.....	2.83	.....	7.58	.....	3.51	.....	.....	.....
Davis	4.92	.....	3.06	.....	3.21	.....	3.78	.....	7.80	.....	4.89	.....	2.43	-3.13	.....	.....	.....	.....	.....	.....	.....	.....	5.78	+0.94	.....	.....
Elizabeth	2.75	.....	2.15	.....	3.40	.....	2.53	.....	3.76		6.67	.....	2.88	.....	5.42	.....	4.88	.....	2.06	.....	6.82	.....	4.66	.....	47.98	.....
Elkins	2.50	-0.84	3.09	-0.08	2.92	-1.15	2.26	-1.03	4.21	+0.23	6.08	+1.04	4.69	+0.05	6.82	+3.17	5.15	+2.28	3.30	+0.88	5.30	+2.44	5.07	+1.65	51.39	+8.64
Fairmont	3.49	-0.45	2.18	-0.83	4.22	+0.31	1.91	-1.57	3.81	-0.17	4.36	-0.13	1.63	-3.10	5.03	+1.49	5.96	+3.36	3.32	+0.58	7.19	+4.47	4.67	+1.31	47.77	+5.27
Glenville	2.79	-1.56	3.21	-0.51	3.07	-1.17	2.29	-1.48	3.10	-1.11	4.09	-0.36	1.08	-4.21	5.67	+1.76	4.97	+1.70	2.98	-0.07	7.49	+4.51	5.62	+1.93	46.36	-0.57
Grafton	3.10	-0.99	2.53	-0.77	3.48	-0.47	3.08	-0.69	2.12	-2.16	2.73	-1.80	2.64	-2.35	5.76	+1.84	5.83	+2.99	4.07	+1.17	5.62	+2.65	4.25	+0.66	45.21	+0.08
Lost Creek	2.99	-1.10	2.58	-0.42	2.93	-1.16	2.24	-1.19	2.68	-1.51	5.85	+1.71	2.03	-2.75	6.25	+2.23	5.52	+2.74	2.38	-0.35	7.60	+5.10	4.17	+0.68	47.22	+3.98
Mannington	4.05	-0.56	2.48	-0.26	4.10	+0.35	2.77	-0.92	4.31	+0.26	3.99	-0.23	2.48	-2.49	5.57	+1.65	6.53	+3.36	3.03	+0.09	7.86	+5.36	4.32	-0.20	51.49	+6.41
Morgantown	2.28	-1.59	1.28	-1.87	3.35	-0.40	1.55	-1.83	4.36	+0.70	4.22	-0.32	2.24	-1.96	5.61	+1.41	6.76	+3.70	2.57	-0.59	5.94	+3.04	2.66	-0.46	42.82	-0.17
Moundsville	4.01	+0.77	1.69	-0.54	4.05	+0.79	2.62	-0.35	3.86	+0.53	3.98	+0.50	1.25	-3.12	6.52	+2.96	8.30	+5.79	1.52	-1.59	6.68	+4.93	4.38	+1.09	48.86	+11.76
New Cumberland	2.92	+0.16	2.33	-0.04	3.59	+0.23	2.71	-0.74	2.91	-0.40	3.49	-0.95	5.21	+0.93	4.35	+0.87	4.61	+2.08	1.98	-1.01	5.63	+3.00	3.49	+0.86	43.22	+4.99
New Martinsville	4.55	+0.79	2.05	-0.93	3.62	-0.03	3.00	-0.59	2.50	-1.24	5.83	+1.76	1.85	-2.95	5.15	+1.65	6.65	+4.00	1.90	-0.98	7.48	+4.84	4.57	+1.01	49.15	+7.33
Parkersburg	3.17	-0.02	2.18	-1.06	4.49	+0.67	2.50	-0.41	4.19	+0.73	3.63	-1.02	2.80	-1.86	3.71	+0.18	4.47	+1.75	1.97	-0.47	5.56	+2.73	4.30	+1.53	42.97	+2.75
Parsons	4.04	-0.73	3.22	-0.20	1.60	-2.46	1.18	-2.67	3.87	-0.10	2.98	-2.26	3.53	-1.59	5.50	+1.71	5.08	+1.96	4.31	+1.43	6.00	+3.46	4.18	+0.39	45.49	-1.06
Philippi	3.92	-0.39	2.44	-0.91	3.08	-1.15	2.80	-1.13	5.15	+0.92	8.31	+3.74	4.09	-0.89	6.36	+2.31	5.84	+2.70	3.22	+0.34	6.75	+3.96	4.50	+0.67	56.46	+10.17
Pickens	2.82	-3.86	4.23	-0.63	4.34	-1.49	4.85	-0.20	8.02	+2.72	5.93	-0.05	3.76	-2.61	6.97	+1.86	6.94	+3.01	5.76	+1.69	8.51	+4.46	7.59	+2.39	69.72	+7.49
Rowlesburg	5.00	+0.50	3.15	-0.26	3.81	-0.48	3.47	-0.54	5.74	+1.38	4.55	-0.49	4.80	-0.22	7.53	+3.66	6.14	+3.07	3.48	+0.45	6.00	+2.92	5.41	+1.54	59.08	+11.53
St. Marys	4.08	-0.52	2.34	-0.86	4.72	+1.10	3.08	-0.57	3.82	-0.04	3.73	-0.04	3.90	-0.21	3.81	-0.95	5.57	+3.07	1.88	-1.52	6.59	+4.11	4.58	+1.08	48.10	+4.65
Smithfield	5.17	-0.04	3.19	-0.43	4.34	+0.37	3.14	-0.76	3.48	-0.70	8.67	+4.11	2.98	-2.41	3.45	-1.01	5.22	+2.03	2.70	-0.73	8.09	+5.12	5.15	+1.07	55.58	+6.62
Stony River Dam	1.89	.....	2.51	.....	.....	.....	1.48	.....	7.39	.....	2.35	.....	8.34	.....	5.66	.....	4.49	.....	1.95	.....	5.67	.....	2.96	.....	.....	.....
Terra Alta	5.94	+0.58	3.63	-0.15	3.37	-1.51	4.55	+0.53	7.05	+2.06	3.00	-3.98	3.43	-2.13	8.02	+3.03	5.99	+2.36	.....	.....	4.46	+1.38	.....	.....	.....	.....
Wellsburg	3.43	-0.02	2.52	-0.16	4.27	+0.99	2.67	-0.42	2.94	-0.54	3.32	-1.17	1.34	-3.26	5.34	+1.50	5.96	+3.16	1.45	-1.50	6.08	+3.01	2.95	-0.12	42.27	+1.47
Weston	3.65	-0.52	3.56	-0.17	3.14	-0.34	2.12	-1.94	3.98	-0.33	5.68	+0.13	3.09	-1.88	6.95	+4.06	4.58	+1.69	3.33	+0.22	7.63	+4.40	5.05	+1.35	52.76	+6.67
Wheeling	4.00	+0.85	2.62	+0.09	4.42	+1.36	3.50	+0.37	3.48	+0.02	4.89	+1.07	4.64	+1.39	4.35	+0.68	7.49	+4.49	1.28	-1.33	6.34	+3.37	3.91	+0.94	50.92	+13.30
SOUTHERN DIVISION.																										
Bancroft	2.02	-2.38	2.46	-1.45	3.18	-0.74	3.28	-0.57	5.99	+1.85	2.25	-2.38	3.00	-1.08	7.65	+3.17	3.14	+0.37	2.16	-1.14	7.71	+5.31	4.26	+0.91	47.10	+1.87
Beckley	.....	.....	.....	.....	.....	.....	1.77	-2.07	4.17	+0.75	5.08	+0.87	6.55	+2.28	5.48	+2.41	1.93	-0.55	3.75	+0.98	3.75	+1.36	4.02	+0.92	.....	.....
Bluefield	3.55	+0.44	3.39	+0.34	2.08	-1.58	1.89	-1.59	3.65	0	2.45	-2.33	3.51	-1.01	4.54	+0.36	2.83	+0.23	3.43	+0.50	2.89	+0.61	4.17	+1.26	38.41	-2.77
Camden-on-Gauley	1.50	.....	1.56	.....	1.43	.....	1.32	.....	5.01	.....	2.00	.....	3.92	.....	6.50	.....	3.64	.....	1.00	.....	7.95	.....	3.15	.....	38.98	.....
Charleston	2.36	-1.59	4.14	+0.56	5.75	+1.35	4.15	-0.42	4.50	+0.46	3.09	-1.50	3.65	-0.47	8.01	+3.62	3.75	+0.73	2.75	-0.14	8.81	+5.84	5.15	+1.83	56.11	+10.27
Clay	1.06	.....	2.58	.....	2.26	.....	2.19	.....	4.01	.....	2.87	.....	4.92	.....	9.46	.....	4.31	.....	2.70	.....	7.47	.....	4.26	.....	48.09	.....
Cuba	2.58	-1.13	2.68	-0.25	3.20	-0.48	2.42	-1.07	3.80	+0.43	3.25	-0.58	2.15	-1.88	5.50	+2.55	3.10	+0.93	2.65	-0.48	6.55	+4.35	4.58	+1.35	42.46	+3.74
Dam 19 O. R.	3.57	.....	2.21	.....	4.68	.....	2.73	.....	5.34	.....	4.76	.....	1.72	.....	3.87	.....	4.95	.....	1.60	.....	7.33	.....	5.12	.....	47.88	.....
Dam 20 O. R.	3.26	.....	2.14	.....	4.61	.....	3.31	.....	4.57	.....	3.41	.....	2.32	.....	5.58	.....	4.87	.....	1.76	.....	6.91	.....	5.19	.....	47.96	.....
Dam 22 O. R.	2.28	.....	2.01	.....	2.76	.....	2.54	.....	3.27	.....	2.37	.....	2.66	.....	5.52	.....	3.12	.....	1.92	.....	7.01	.....	3.67	.....	39.13	.....
Dam 26 O. R.	2.62	.....	1.93	.....	2.43	.....	2.25	.....	4.51	.....	2.17	.....	3.16	.....	6.13	.....	3.58	.....	1.44	.....	6.53	.....	4.53	.....	41.28	.....
Evans	5.14	.....	2.73	.....	4.96	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.30	.....	7.59	.....	5.43	.....	.....	.....
Gary	2.32	.....	2.44	.....	1.98	.....	3.14	.....	2.82	.....	4.27	.....	3.02	.....	4.43	.....	4.31	.....	1.85	.....	5.63	.....	3.31	.....	39.52	.....
Green Sulphur Springs	3.48	+0.40	4.42	+1.63	2.23	-1.84	5.09	+1.79	4.81	+1.15	4.37	+0.20	1.62	-2.21	.....	.....	.....	.....	3.80	+1.59	5.22	+3.12	6.96	+4.29	.....	.....
Hinton	1.93	-1.28	3.30	+0.25	1.12	-2.93	2.22	-1.06	2.94	-0.83	6.28	+2.04	4.04	+0.09	2.78	-0.99	3.12	+0.36	2.76	+0.13	4.10	+1.90	4.26	+1.46	38.85	-0.66
Huntington	2.88	-0.96	2.26	-1.06	3.90	-0.40	3.21	-0.48	3.18	-0.85	2.58	-1.53	3.98	-0.23	6.00	+2.26	4.58	+2.07	2.97	+0.40	7.32	+4.61	4.20	+0.79	47.09	+4.62
Kanawha Falls	1.39	.....	1.91	.....	2.41	.....	2.35	.....	3.57	.....	3.86	.....	5.31	.....	3.10	.....	1.32	.....	3.94	.....	4.60	.....	4.30	.....	38.06	.....
Kayford	2.81	.....	2.73	.....	1.83	.....	2.70	.....	5.01	.....	6.58	.....	4.57	.....	5.76	.....	3.34	.....	3.01	.....	6.86	.....	5.84	.....	51.04	.....
Lewisburg	1.65	-1.73	2.70	-0.19	1.31	-2.76	2.24	-1.04	2.39	-1.29	3.10	-1.13	3.61	-0.35	3.25	-0.30	3.63	+0.79	3.96	+1.14	4.18	+1.52	4.42	+1.58	36.44	-3.76
Logan	.....	.....	2.81	-1.30	.....	.....	.....	.....	4.08	-0.17	2.77	-2.74	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marlinton	3.48	-0.59	1.59	-1.78	3.49	-0.87	1.63	-1.71	3.15	-0.86	4.14	-0.82	3.09	-2.24	3.36	-1.27	3.45	+0.34	4.26	-1.27	4.44	+1.70	4.62	+0.96	40.70	-8.41
Miller	2.55	.....	2.68	.....	1.83	.....	3.16	.....	4.93	.....	8.41	.....	4.88	.....	5.14	.....	5.17	.....	2.65	.....	7.56	.....	5.07	.....	54.03	.....
Point Pleasant	2.80	-1.10	2.60	-1.84	3.82	-0.31	2.24	-1.10	5.00	+1.14	2.47	-1.93	2.24	-1.86	5.50	+2.37	3.71	+1.38	1.45	-1.27	6.88	+1.13	5.65	+2.42	44.36	+2.03
Powellton	1.26	-2.69	3.08	+0.03	1.45	-3.18	2.37	-1.30	2.81	-1.29	3.93	-0.71	3.95	-0.61	3.68	-0.63	2.60	+0.20	2.74	+0.28	3.99	+1.26	4.78	+1.72	36.64	-6.92
Raleigh	2.34	.....	4.90	.....	1.75	.....	2.38	.....	5.20	.....	6.59	.....	5.15	.....	4.40	.....	3.61	.....	1.80	.....	5.80	.....	5.53	.....	49.45	.....
Renick	1.91	.....	2.96	.....	1.37	.....	2.18	.....	2.95	.....	1.34	.....	4.08	.....	3.22	.....	5.39	.....	2.32	.....	7.53	.....	4.80	.....	40.05	.....
Robertsburg	2.31	-1.66	2.71	-0.31	3.07	-1.01	3.38	-0.33	4.27	+0.67	2.22	-1.73	2.32	-1.44	6.18	+2.91	4.14	+1.82	3.39	+0.51	6.54	+4.17	4.51	+1.05	45.07	+4.65
Ryan	2.40	-1.82	2.77	-0.60	3.39	-0.93	2.55	-1.30	5.34	+1.64	4.36	-0.12	3.21	-1.35	5.15	+1.29	4.91	+2.12	2.79	-0.66	5.30	+2.82	4.18	+0.73	46.35	+1.82
Sharples	2.10	.....	2.41	.....	2.07	.....	2.38	.....	5.94	.....	3.47	.....	6.79	.....	3.51	.....	4.25	.....	2.60	.....	4.89	.....	5.01	.....	45.42	.....
Spencer	2.83	-1.49	2.56	-0.48	3.35	-0.59	2.53	-0.98	3.02	-0.61	6.60	+2.25	2.83	-1.46	6.02	+2.46	4.75	+1.73	2.18	-1.03	5.64	+3.16	3.43	+0.06	45.74	+3.02
Sutton	.....	.....	.....	.....	.....	.....	.....	.....	3.84	-0.65	4.23	-1.36	3.94	-1.23	5.18	+1.44	3.92	+0.87	3.48	+0.39	7.10	+3.14	4.97	+1.03	.....	.....
Union	1.40	-2.25	2.36	-0.35	0.63	-3.05	1.49	-1.40	2.83	+0.07	4.12	-0.20	3.78	-0.85	2.32	-1.39	3.09	+0.45	3.85	+0.85	3.52	+1.53	3.24	+0.72	32.63	-5.87
White Sulphur Springs	2.88	.....	2.55	.....	0.83	.....	3.50	.....	3.29	.....	2.22	.....	4.09	.....	4.91	.....	7.02	.....	2.58	.....	2.53	.....	2.55	.....	38.95	.....
Williamson	2.24	-2.08	3.43	+0.28	1.94	-2.66	3.41	-0.48	3.60	-0.21	2.83	-1.80	5.85	+1.51	5.26	+1.71	4.22	+1.19	2.36	-0.46	5.04	+2.45	3.97	+0.13	44.15	-0.42

THE WEATHER BY MONTHS.

(Continued from page 51.)

siderable delay in farm work. A high wind on the 17th caused much damage to wires and roofs in the central portion of Jackson County.

OCTOBER.—October was slightly cooler and somewhat drier than usual. Nearly one-half of the month's rainfall was received on the 30th-31st. Killing frosts occurred on the 13th and 14th, but not much damage resulted. The weather was favorable for drying and husking corn.

NOVEMBER.—This month was one of the warmest and the wettest of November State record. Moderately heavy rain during the last week caused high stages in the rivers.

DECEMBER.—December was characterized by nearly continuously moderate temperature and frequent and unfavorably distributed rains. Heavy rains over the central and western counties on the 23d-24th caused marked rises in the rivers. In the agricultural districts the ground was bare practically all the month.

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CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXX. PARKERSBURG, W. VA., JANUARY, 1922. No. 1.

GENERAL SUMMARY.

January averaged somewhat colder and much drier than usual, although the temperature over the west-central counties averaged practically normal. While the precipitation was favorably distributed, the snowfall over the eastern counties averaged nearly 20 inches, but the average over the western counties was less than 3 inches. The lowest temperatures also occurred over the eastern portions of the State, a temperature of zero or below not being recorded over the western counties. The sunshine was abundant, the amount received over the western counties being the greatest of January record. The weather was favorable for outdoor work, winter grains, and transportation, although transportation in the eastern and central counties was somewhat delayed by heavy snow on the 11-12th.

PRESSURE.

The mean sea-level pressure at Parkersburg and Elkins was 30.23 inches. The highest and lowest readings observed were as follows: Parkersburg, 30.77 inches on the 23d, and 29.36 inches on the 11th. Elkins, 30.69 inches on the 7th, and 29.26 inches on the 11th.

TEMPERATURE.

The monthly mean for the State, determined from 48 stations, was 30.2°. The departure from the normal for 44 stations having ten or more years of record was —1.9°. The month opened cold and the temperature was also considerably below the normal from the 12th to the 14th and the 22d to the 27th, with the lowest temperatures occurring generally on the 13th and 25th. Moderately warm weather prevailed on the 3d-5th, 9-10th, 18-19th, and 30th-31st, with the highest temperatures occurring on the 4th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 76 per cent; 8 p. m., 67 per cent. The January averages for the same hours for the past 33 years are 83 and 77 per cent, respectively. Elkins, 8 a. m., 87 per cent; 8 p. m., 74 per cent. The January averages for Elkins for the same hours for the past 21 years are 85 and 78 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 72 stations, was 2 75 inches. The departure from the normal for 59 stations having ten or more years of record was —1.16 inches. Most of the precipitation was received on the 4-5th, 8-9th, 11-12th, 18-19th, 21st, and 27-28th, the amounts being greatest on the 11th, when light to moderate snow was received over the western and central counties and heavy snow over the eastern counties. Light to moderate snow also fell in most sections on the 1st, 12-13th, and 27-28th. Heavy snow, however, fell over the southeastern counties on the 27th.

WIND.

The average wind velocity at Parkersburg was 6.2 miles per hour, or 0.4 mile below the January average for 32 years. The average at Elkins was 5.9 miles per hour, or 0.8 mile above the January average for 22 years. The highest velocity at Parkersburg was 29 miles per hour from the northwest on the 1st, and at Elkins 31 miles per hour from the northwest on the 11th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 51 per cent of the possible amount, or 23 per cent above the January average for 24 years. The average at Elkins was 42 per cent, or 13 per cent above the January average for 21 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bruceton Mills, 4th, 18th, and 19th; Charleston, 17th; Clay, 19th; Hinton, 30th; Moundsville, 7th and 30th; Stony River Dam, 21st; Wheeling, 7th, 8th, 10th, 17th, 23d, 26th, 27th, 30th, and 31st.

Halos, lunar: Bayard, 8th, and 11th; Bruceton Mills, 20th; Parkersburg, 7th; Pickens, 7th and 10th; Piedmont, 8th.

Halos, solar: Bruceton Mills and Ryan, 10th.

Sleet: Bayard, 9th; Bens Run, 21st; Brandywine, 8th; Burlington, 8th; Davis, 22d; Elkins, 11th and 29th; Fairmont, 18th; Marlinton, 8th, 11th, and 18th; Martinsburg, 8th; Moorefield, 8th and 19th; Pickens, 19th; Piedmont, 8th; Ryan, 21st; Wheeling, 21st.

Thunderstorms: Bancroft, 18th, 19th, 21st; Charleston, 18th; Evans, 18th and 21st; Upper Tract, 19th; Pickens, 19th.

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	31.7	......	......	3.64	......	......	......	......	......	......
1892	29.4	76	− 3	3.15	......	......	......	......	......	......
1893	22.6	71	−25	2.49	......	......	......	7	7	17
1894	36.6	70	− 8	2.41	4.23	0.83	......	12	8	11
1895	25.0	69	−21	4.48	6.53	2.37	......	6	9	16
1896	32.4	72	− 6	1.57	2.72	0.67	1.8	9	14	8
1897	28.8	69	−18	1.70	2.85	0.90	4.0	10	7	14
1898	37.1	75	− 5	5.10	8.04	2.24	5.0	6	9	16
1899	32.1	70	−21	4.05	7.01	2.05	7.5	10	7	14
1900	34.5	74	−10	2.21	3.60	0.82	1.9	9	8	14
1901	33.6	69	− 4	2.41	3.87	1.18	7.3	8	7	16
1902	30.2	64	− 1	3.65	8.52	1.45	9.8	9	7	15
1903	31.8	79	− 7	3.21	6.45	1.55	8.6	8	7	16
1904	27.5	72	−18	2.72	5.82	1.24	10.8	9	8	14
1905	26.4	70	−14	3.15	7.43	1.48	22.0	7	7	17
1906	38.2	80	− 5	3.79	8.70	1.36	5.1	11	7	13
1907	38.7	76	−15	6.41	11.54	2.35	5.6	6	7	18
1908	31.0	62	−16	2.92	18.19	0.50	12.8	12	7	12
1909	36.8	76	− 5	3.41	6.59	1.50	8.7	8	6	17
1910	32.0	67	− 5	5.68	10.10	2.52	15.4	6	6	19
1911	37.3	71	− 5	5.86	12.63	3.11	7.0	8	6	17
1912	23.5	66	−34	2.60	6.93	1.10	13.6	7	8	16
1913	40.7	74	9	6.23	10.53	1.84	5.7	9	6	16
1914	35.8	83	−11	3.18	5.65	1.55	15.6	7	6	18
1915	31.7	68	− 8	4.85	11.38	2.00	10.4	8	6	17
1916	38.8	79	−10	4.86	8.52	1.70	6.1	11	7	13
1917	33.2	77	− 9	4.66	7.67	1.72	8.3	11	6	14
1918	20.7	55	−27	4.24	9.22	2.00	21.5	8	5	18
1919	34.1	69	−16	3.79	6.66	1.60	6.9	16	4	11
1920	28.7	77	−11	4.12	7.26	0.40	3.9	8	6	17
1921	35.5	71	− 2	2.76	5.94	0.10	4.3	11	6	14
1922	30.2	68	−15	2.75	4.81	1.01	10.8	12	6	13
Means and extremes	32.1	83	−34	3.69	12.63	0.10	8.9	9	7	15

Climatological Data for January, 1922.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	No. of days. Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Panhandle Division.																				
Bayard	Grant	2,700	21	26.5	− 1.5	59	4	−12	17	50	4.81	−0.39	1.60	27.5	10	14	7	10	w.	U. G. Clark.
Brandywine	Pendleton	.....	6	27.8	.....	58	4†	−11	13	49	1.58	.....	0.80	12.0	8	17[a]	1[a]	12[a]	n.	Elmer Keister.
Burlington	Mineral	875	28	27.0	− 3.7	60	5	− 6	13	46	2.00	−0.65	1.20	20.5	6	6	16	9	nw.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	33	.....	.....	.....	.....	.....	.....	.....	1.98	−0.77	1.00	21.0	7	.....	.....	.....	.....	J. C. Newcomer.
Martinsburg	Berkeley	435	30	27.7	− 2.8	60	5	3	26	38	1.73	−0.87	1.03	13.8	4	18	5	8	nw.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	26	29.8	− 2.1	63	5	−11	13	49	2.00	−0.55	1.20	19.5	8	27	1	3	.....	M. S. Henkel.
Piedmont	Mineral	919	9	27.4	.....	55	19	0	25	38	2.04	.....	1.58	15.8	8	12	7	12	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	24	27.0	− 3.9	50	10†	− 5	13	40	2.97	+0.24	1.28	19.0	7	16	8	7	.....	Geo. E. Arnold.
Stony River Dam	Grant	.....	2	.....	.....	.....	.....	.....	.....	.....	3.57	.....	1.20	29.0	14	6	9	16	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	23	29.4[a]	− 3.9	59[a]	4	− 1[a]	25†	47[a]	1.39	−1.16	1.00	15.0	4	13	0	18	w.	J. M. Mallow.
Wardensville	Hardy	1,200	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Luther F. Sutton.
Averages and	extremes	.....	.....	27.8	− 3.0	63	5	−12	17	50	2.41	−0.59	1.60	19.3	8	14	6	11	nw.	
Northern Division.																				
Bens Run	Pleasants	622	20	32.0	− 0.1	64	5	8	25	36	2.61	−1.80	0.60	3.0	9	18	5	8	.....	J. D. Riggs.
Bruceton Mills	Preston	1,549	2	.....	.....	.....	.....	.....	.....	.....	4.38	−0.88	1.80	30.0	11	6	11	14	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	25	31.3	− 0.4	62	4†	5	25	34	3.06	−1.45	2.05	11.0	8	14	4	13	.....	H. A. Darnall.
Cairo	Ritchie	680	23	30.8	− 4.1	63	4	4	25	38	3.33	−1.22	1.11	1.7	13	13	4	14	.....	O. C. Hess.
Cheat Bridge	Randolph	3,558	4	22.7[a]	.....	53[a]	4	−15	13	49[a]	4.06	.....	0.80	28.0	14	14	4	13	.....	H. F. Cromer.
Cortland	Tucker	3,300	11	.....	.....	.....	.....	.....	.....	.....	3.36	.....	0.96	28.0	6	6	20	5	.....	G. W. Harmon.
Creston	Wirt	701	20	32.8	− 0.6	66	4	6	25	42	2.71	−1.14	0.92	2.7	9	13	1	17	w.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	1	.....	.....	.....	.....	.....	.....	.....	2.86	.....	1.08	10.3	12	.....	.....	.....	w.	Lockmaster.
Dam 12 O. R.	Ohio	614	6	.....	.....	.....	.....	.....	.....	.....	1.83	.....	0.53	.....	8	.....	.....	.....	.....	Lockmaster.
Dam 13 O. R.	Ohio	605	6	.....	.....	.....	.....	.....	.....	.....	1.73	.....	0.72	.....	7	.....	.....	.....	.....	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	1	.....	.....	.....	.....	.....	.....	.....	3.27	.....	1.11	8.0	10	.....	.....	.....	n.	Lockmaster.
Davis	Tucker	3,093	13	.....	.....	.....	.....	.....	.....	.....	4.23	−1.59	1.32	27.0	12	13	3	15	w.	Ross C. Male.
Elizabeth	Wirt	646	10	.....	.....	.....	.....	.....	.....	.....	2.63	.....	0.85	.....	11	.....	.....	.....	.....	E. D. Ball.
Elkins	Randolph	1,947	21	29.3	+ 0.3	63	4	0	13	39	3.18	−0.16	1.40	15.4	14	7	7	17	w.	U. S. Weather Bureau.
Fairmont	Marion	883	16	29.4	− 3.3	60	4	6	25	36	2.72	−1.22	0.65	6.1	10	17	5	9	w.	Creed E. Bolyard.
Glenville	Gilmer	738	28	32.4	− 0.7	68	4	0	2	45	3.75	−0.60	1.00	7.6	13	12	7	12	w.	Howard R. Brannon.
Grafton	Taylor	1,000	29	29.6	− 2.8	55	19	4	23	35	2.73	−1.53	.....	4.0	7	2	19	10	e.	W. C. Byers.
Lost Creek	Harrison	1,026	24	30.4	− 2.3	64	4	4	2†	44	3.08	−0.98	1.68	5.8	10	16	4	11	w.	Allen Smith.
Mannington	Marion	974	19	30.0	− 1.2	62	4†	3	13	44	2.60	−2.01	0.80	9.5	11	16	3	12	e.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	29	31.2[b]	− 0.7	64[b]	5	6[a]	25	33[b]	1.54	−2.34	0.80	11.5	4	7[a]	9[a]	14[a]	w.	Prof. E. L. Andrews.
Moundsville	Marshall	642	19	29.8	− 2.1	64	4	4	25	41	1.41	−1.72	0.49	0.5	6	7	12	12	nw.	G. W. Wright.
New Cumberland	Hancock	987	24	27.2	− 1.0	60	4	3	25	38	1.60	−1.16	0.45	3.8	8	18	4	9	n.	Geo. W. Derouin.
New Martinsville	Wetzel	634	28	32.4	− 0.4	64	5	8	25	37	1.55	−2.21	0.50	.....	7	19	1	11	n.	Wm. Ankrom.
Parkersburg	Wood	638	35	31.8	+ 0.5	64	4	8	25	33	1.91	1.28	0.60	1.3	13	13	6	12	w.	U. S. Weather Bureau.
Parsons	Tucker	1,656	22	27.7	− 3.5	56	4	− 4	25	41	3.45	−1.32	.....	15.0	7	13	3	15	.....	J. W. Swisher.
Philippi	Barbour	1,149	25	30.6	− 2.3	64	4†	3	25	40	3.20	−1.13	1.34	12.0	11	12	3	16	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	19	27.3	− 4.0	58	5	0	13	37	4.68	−2.00	0.88	35.0	12	13	3	15	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	35	.....	.....	.....	.....	.....	.....	.....	3.49	−1.01	0.98	.....	12	.....	.....	.....	w.	J. F. Pierce.
Saint Marys	Pleasants	577	13	.....	.....	.....	.....	.....	.....	.....	2.54	−2.02	0.70	.....	9	.....	.....	.....	n.	Wm. Hughes.
Smithfield	Wetzel	835	16	29.7	− 0.9	62	4	4	25	41	3.41	−1.42	0.59	5.9	12	20	7	4	sw.	G. M. Whisler.
Terra Alta	Preston	2,612	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. C. O. Gorby.
Wellsburg	Brooke	1,225	21	28.2	− 1.5	61	5	2	24	37	1.74	1.70	0.55	2.3	7	13	4	14	w.	George P. Pfister.
Weston	Lewis	1,026	26	32.8	− 0.6	64	5	7	2†	38	3.61	−0.56	1.49	7.5	15	8	11	12	ne.	Weston State Hospital.
Wheeling	Ohio	645	35	29.4	− 1.2	60	4	5	25	45	2.03	−1.12	0.55	2.8	10	15	1	15	w.	Miss M. B. Forsyth.
Averages and	extremes	.....	.....	29.9	− 1.5	68	4	−15	13	49	2.86	−1.37	2.05	10.9	10	13	6	12	w.	
Southern Division.																				
Bancroft	Putnam	574	18	32.0	− 2.4	66	4	10	25†	40	2.95	−1.45	0.90	5.3	13	9	1	21	sw.	E. H. Morrow.
Beckley	Raleigh	2,440	22	27.4	− 5.8	57	4	− 2	13	34	2.66	−1.26	0.83	8.0	6	11	4	16	n.	E. E. Phipps.
Bluefield	Mercer	2,558	27	34.1	− 0.4	63	4	8	13	41	3.13	−0.09	0.61	14.2	10	8	7	16	.....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	7	.....	.....	.....	.....	.....	.....	.....	1.01	.....	1.00	0.1	2	11	0	20	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	19	34.4	− 4.1	62	4	10	25†	47	2.96	−0.99	0.95	0.8	12	10	1	20	n.	C. V. Lewis.
Clay	Clay	706	6	.....	.....	.....	.....	.....	.....	.....	2.60	.....	0.85	9.5	15	.....	.....	.....	.....	Mark King.
Cuba	Jackson	650	20	31.8	− 1.5	64	4	7	25	40	1.49	−2.22	0.40	T.	6	1	21	9	w.	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	6	.....	.....	.....	.....	.....	.....	.....	2.49	.....	0.78	.....	10	.....	.....	.....	.....	Lockmaster.
Dam 20 O. R.	Wood	551	6	.....	.....	.....	.....	.....	.....	.....	2.62	.....	0.72	.....	12	.....	.....	.....	.....	Lockmaster.
Dam 22 O. R.	Jackson	538	7	.....	.....	.....	.....	.....	.....	.....	2.18	.....	0.70	.....	6	.....	.....	.....	.....	Lockmaster.
Dam 26 O. R.	Mason	505	6	.....	.....	.....	.....	.....	.....	.....	1.46	.....	0.60	.....	6	.....	.....	.....	.....	U. S. Engineer Office.
Evans	Jackson	606	10	.....	.....	.....	.....	.....	.....	.....	4.40	.....	1.10	5.0	10	1	4	26	.....	B. F. Sayre.
Gary	McDowell	1,426	6	34.4[b]	.....	64[b]	4	9[b]	14†	41[d]	3.26	.....	0.52	3.0	13	.....	.....	.....	.....	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	26	32.3	− 0.6	55	3†	1	13	44	3.25	+0.17	0.56	17.0	10	10	5	16	w.	W. H. Gwinn.
Hinton	Summers	1,450	25	32.0	− 2.2	59	5	10	13	43	3.34	+0.13	0.92	10.0	13	5	0	26	n.	J. B. Lavender. C. E.
Huntington	Cabell	538	28	32.8	0	63	4	12	25†	35	2.16	−1.76	0.76	1.4	10	12	2	17	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	3	.....	.....	.....	.....	.....	.....	.....	2.87	.....	0.75	6.5	10	.....	.....	.....	.....	J. O. Brown.
Kayford	Kanawha	1,335	6	.....	.....	.....	.....	.....	.....	.....	3.23	.....	0.70	3.5	12	.....	.....	.....	.....	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	22	29.3	− 2.6	54	5	− 2	13	41	2.69	−0.84	0.80	14.0	7	12	6	13	nw.	Geo. T. Argabate.
Logan	Logan	687	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. & O. R. R.
Marlinton	Pocahontas	2,131	23	23.6	− 4.6	48	4†	−12	13	46	3.28	−0.79	0.82	15.0	10	5	12	14	sw.	S. L. Brown.
Miller	Fayette	.....	2	.....	.....	.....	.....	.....	.....	.....	3.31	.....	0.99	.....	11	.....	.....	.....	.....	J. R. Bays.
Point Pleasant	Mason	553	29	33.6	0	65	4	7	25	36	2.27	−1.63	0.86	T.	8	15	2	14	.....	W. D. Holmes.
Powellton	Fayette	933	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	6	.....	.....	.....	.....	.....	.....	.....	2.95	.....	0.70	12.7	13	.....	.....	.....	.....	Raleigh Coal & Coke Co.
Robertsburg	Putnam	574	22	31.7	− 1.7	64	4	10	14†	43	2.49	−1.51	0.95	3.0	10	8	8	15	.....	E. C. Brace, Jr.
Ryan	Roane	700	19	30.8	− 2.5	65	4†	0	2	43	3.24	−0.98	1.17	6.6	13	9	8	14	.....	Wm. E. Ryan.
Sharples	Logan	.....	2	.....	.....	.....	.....	.....	.....	.....	2.68	.....	1.00	.....	4	.....	.....	.....	.....	C. E. Rippetoe.
Spencer	Roane	784	18	31.6	− 2.0	64	4	7	26	42	3.01	−1.39	0.90	4.0	12	0	15	16	.....	A. M. McKown.
Sutton	Braxton	839	16	31.4	− 2.2	62	4†	5	13†	33	2.92	−2.10	0.50	12.0	12	17	2	12	.....	C. B. Eakle.
Union	Monroe	2,250	18	32.8[h]	+ 0.2	64[h]	6	− 3[h]	13	40[h]	3.21	−0.40	1.10	12.0	7	.....	.....	.....	.....	W. M. H. Young.
White Sulphur Springs	Greenbrier ††	1,940	12	30.0	.....	60	4	0	12	44	1.64	.....	0.80	17.0	12	19	6	6	.....	J. M. Ayres.
Williamson	Mingo	660	22	33.2	− 2.7	54	19	13	14†	36	2.81	−1.51	0.71	0.5	9	11	8	12	w.	J. F. Keyser.
Averages and	extremes	.....	.....	31.6	− 2.1	66	4	−12	13	47	2.75	−1.08	1.17	7.0	10	9	5	17	n.	
State averages and	extremes	.....	.....	30.2	− 1.9	68	4	−15	13	50	2.75	−1.16	2.05	10.8	11	12	6	13	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, [a], [b], [c] appearing in the table indicate number of days missing; for example, [b] represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for January, 1922.

Stations.	Drainage basin.	Day of month.																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac	.30		T.	.60	.50			T.	.25		1.60	.40	T	.45				T.	.24	.08	.39	T.					T	T	T	T		4.81
Brandywine	...do	.08							.15			.80			.10					.15		.10						*	.20				1.58
Burlington	...do	.20							.01			1.20	.16															T.	.20	.29			2.06
Harpers Ferry	...do					.04				.15		.40	.60			T.						.12							.35	.32			1.98
Martinsburg	...do				T.	T.			T.			1.03							.07			.28							.35				1.73
Moorefield	...do	.08				.02			.17			1.20								.10			.15						.24	.04			2.00
Piedmont	...do	.01							.01			1.58			.04				.01	.11		.21							T	.04			2.01
Romney	...do				T.				.05			1.28	.60									.30		.50					.16	.08			2.97
Stony River Dam ‖	...do	.16	.08		.10	.05				.28		1.20	.24	.24	.21					.50	.10	.22							.08	.08			3.57
Upper Tract	...do								T.			1.00								.15		T						T	.16	.08			1.39
Wardensville ‖	...do																																
Northern Division.																																	
Bens Run	Ohio	.08		T.	.38	.30			.17			.60		.08	.08					.42		.50						T					2.61
Bruceton Mills ‖	Monongahela	.12		T.	.43	.11			.10	.04		1.80	.24		.08				.74	T.		.56	.16					T		T			4.38
Buckhannon	...do	.08		.01		.40			.35			2.05		.08	.05					.04	T.	T.						T.		T			3.06
Cairo	Little Kanawha	.01		.01	.37	.53			.25			1.11	.04	.04	.04				.05	.49	T.	.37						.02					3.33
Cheat Bridge ‖	Monongahela	*	.48		.08	.11	T.			.42		.64	.80	.16	T.					.71	.11	.35	.06					.04	.10				4.06
Cortland	...do				.32				.30			.80	.96	.48						.50													3.36
Creston	Little Kanawha	.02	T.		.10	.40				.26		.92	T.	T.	.08					.48		.41	T.					.04	T.				2.71
Dam 10, Mon. R. ‖	Monongahela	.07		.06	.29	.22			.12			1.08	.12	.05					.07	.21	.06	.51											2.86
Dam 12, O. R. ‖	Ohio	.05	.06		.02	.53						.15	.36							.20		.46											1.83
Dam 13, O. R. ‖	...do				.03	.72						.33	.11		.03					.22		.29											1.73
Dam 15, Mon. R. ‖	Monongahela	.02		T.	.15	.27				.12		.64	1.11						.03	.36		.42	.15										3.27
Davis	...do	.17	.21	T.	.42	.20	.05			.39		.33	1.32		.16					.25		.69	T.					T.	T.	.04	T.		4.23
Elizabeth ‖	Little Kanawha	.01			.07	.47				.20		.85	.16	.01	.06					.40		.30							.10				2.63
Elkins ***	Monongahela	.16	T.	T.	.10	.11			.30		.02	1.39	.02	.10	.05			T.	.01	.52	.01	.38	.01					T.	T.	T.			3.18
Fairmont	...do	.03	T.	T.	.15	.43				.17		.65	.20	T.	.04				T.	.58	T.	.42	.05								T.		2.72
Glenville ‖	Little Kanawha	.12			.12	.32				.30		1.00	.12	.08	.16					.74		.54	.06					.05	.14				3.75
Grafton ‖	Monongahela	T.	T.		*	.45				.20		*	1.50							.35		.23											2.73
Lost Creek	...do	.08	T.		.14	.12			.33	T.		1.68	.04	.02	T.				.06	.16	T.	.45	T.										3.08
Mannington	...do	.05			.40	.35			.15			.80	.05	.05					.05	.30		.38	.02										2.60
Morgantown	...do	.12		T.	.22				T.			.80	.40						T	T.		T.											1.54
Moundsville ‖	Ohio	T.			.16	.49						.37	.08		T.				.01	.30		T.											1.41
New Cumberland ‖	...do	.03	.02		.03	.45						.18	.27							.22		.40											1.60
New Martinsville	...do	T.			.45				.15			*	*	.05	T.					.50		.40											1.55
Parkersburg ***	Ohio	.01		.02	.13	.26			.19			.60	T.	.03	.02			T.	.20	.22	.01	.21						.01					1.91
Parsons	Monongahela	.16		T.					*			.80	.08	.16					T.	*		2.25											3.45
Philippi	...do	.08		.12	.10	.21			.31			1.34	.08	.08					T.	.29	.06	.53	T.										3.20
Pickens	...do	.72	.16		.65				.40			.88	.32	.40	.16					.51		.32	.08					.08					4.68
Rowlesburg ‖	...do	T	.04	T.	.05	.34	T.			.28		.98	.68	.04	.05					.30	.16	.52	.05										3.49
Saint Marys ‖	Ohio	.06		T.	.12	.55				.18		.70	.06		.05					.47		.35											2.54
Smithfield	Fishing Creek	.05	.02		.12	.99				.16		.75	.27		.12					.48	.02	.41	.02										3.41
Terra Alta	Monongahela																																
Wellsburg	Ohio	T.			.39	.15				T.		.55	T.		.04				.10	.11		.40											1.74
Weston	Monongahela	.15		.05	.15	.27			.33	.04		1.49	.02	.07	.20					.31	.07	.44	.01					.01		T.			3.61
Wheeling ‖	Ohio	.03	.05		.07	.53				.02		.24	.28	T.	.05			T.		.21		.55											2.03
Southern Division.																																	
Bancroft ‖	Great Kanawha	T.	.01		.15	.33				.25		.90	.13	.18	.06					.29	.03	.43						.02	.17				2.95
Beckley	...do								.83			.56	.12	.16											.80				.19				2.66
Bluefield	...do	.16		T.	.13	.18				.22		.50	T.		.40		.30			.60	.03	.61											3.13
Camden-on-Gauley ‖	...do	T.	T.									T.	T.		T.	T.	T.			1.00				T				T.	.01	T.	T.		1.01
Charleston ‖	...do	T.			.10	.25	.08		T.	.28		.95	.40	.04	.12				T.	.10	.20	.40						.04	T.				2.96
Clay ‖	...do	.10	.04	.03		.05				.28		.85	.30	.03	.20					.04	.05	.25	.03					.20	.15				2.60
Cuba	Sand Creek				.20	.25			.20			T	T.	T.				T.	.19	.40	.25							T.					1.49
Dam 19 O. R. ‖	Ohio	T.	.01		.04	.34				.24		.78	.13	T.	.01				T.	.52	T.	.25	.08						T.				2.40
Dam 20 O. R. ‖	...do		.02		.10	.62				.30		.72	.17	.01	.02				.01	.40		.18							.07				2.62
Dam 22 O. R. ‖	...do	T.	T.		.15	.25				.20		.70	T.							.65		.23						T.	T				2.18
Dam 26 O. R. ‖	...do					.38				.10		.60	T.					.20										.03	.15				1.46
Evans	Ohio	1.00	.15			.40				.21		1.01		.08					1.10			.10					.25	.10					4.40
Gary ‖	Big Sandy		T.		.31	.25			.40	.10		.51	.20	.18	.02		T.			.40	.25	.52						.02	.10				3.26
Green Sulpr. Spgs	...do	.29			.17	.36			.37			.45	.32	.16						.41								.56	.16				3.25
Hinton ‖	...do	T.	.10		T.	.08	.12		T.	.24		.92	.10	T.	.06					.50	.18	.56	.10					.20	.18				3.34
Huntington ‖	Ohio	T.	.04		.18	.36				.20		.68	.08	T.	.04					.24		.28						T.	.06				2.16
Kanawha Falls ‖	Great Kanawha	T.			.30	.25				.25		.75	.28		.12					.35	T.	.30						.07	.20				2.87
Kayford ‖	...do		.09		.21	.09	T.			.40		.70	.43	.12	T.					.45	.14	.36	T.					*	.24				3.23
Lewisburg	...do	.08			.15				.15			.41		T.						.50		.60						.80					2.69
Logan	Guyandotte																																
Marlinton	Great Kanawha	.10			.02	.12			.16			.50	T.	.10	T.				.10	.72		.66	T.					.80					3.28
Miller	Meadow Creek		.13		.15	.23						.99	.40	.04	.03					.54	.07	.38								.35			3.31
Point Pleasant	Ohio	T.			.10	.34			.22			.86	T.	T.					.05	.38		.22						.10					2.27
Powellton	Great Kanawha																																
Raleigh ‖	...do	.12	.17		.18				.07	.29		.70	.20	T.	.16				T.	.40	.13	.26	T.					.22	.05				2.95
Robertsburg ‖	...do				.10	.21				.28		.75	.20	T.	.05	T.				.28		.43						.08	.08				2.49
Ryan	...do	.08	.03	T.	.05	.26			.26			1.17	.06	.12	.02				T.	.59	.07	.43	T.					.10					3.24
harples ‖	Coal River		T.			.68				.28		1.00	T.	T.						.72									T.				2.68
pencer ‖	Little Kanawha	T.	T.		.28	.20			.11		.90	.10	.06	.02	.08	.35			T.	.18		.65	T					.08	T.				3.01
utton	Great Kanawha	.32			.32	.37			.25			.24	.16	.16			.08			.50	.12	.32						.08					2.92
nion	...do				.05	.05				.30				.08						1.10	.75							.88					3.21
White Sulpr. Spgs ‖	...do	.15		.01	.05	.10			.15				.05	.03						.05	.05	.10						.80	.10				1.64
Williamson ‖	Big Sandy	T.			.20	.43			.10	.23		.71	.15	T.	T.					.55	.08	.36	T					T.	T.				2.81

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for January, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	32	15	41	59	58	41	32	51	40	47	43	25	26	25	42	38	38	49	52	50	51	32	30	24	29	26	29	30	34	44	51	38.2
	Minimum	13	6	4	36	35	26	18	13	29	32	25	12	3	10	13	8	-12	13	35	28	31	24	12	5	-8	-5	10	15	23	0	5	14.8
Brandywine	Maximum	40	30	40	58	58	48	40	33	48	50	38	31	25	27	49	42	34	43	52	45	54	46	40	31	25	30	26	30	36	47	54	40.3
	Minimum	20	9	12	34	44	15	12	15	16	24	18	16	-11	-4	17	10	6	18	30	30	36	29	22	10	-2	-2	12	12	23	2	5	15.4
Burlington	Maximum	33	19	46	48	60	40	35	28	48	49	39	31	24	28	48	34	24	34	52	45	42	39	32	30	31	26	23	32	39	41	45	36.9
	Minimum	12	13	15	34	32	28	20	15	28	33	30	19	-6	6	2	10	1	23	24	33	32	31	18	10	0	-1	7	18	24	9	12	17.2
Martinsburg§	Maximum	33	26	34	40	60	42	34	40	45	49	31	28	27	29	50	30	28	37	50	40	43	42	25	23	23	26	24	30	41	41	42	35.9
	Minimum	26	16	18	23	32	30	24	18	19	36	30	23	5	7	12	18	7	12	28	34	33	33	22	11	8	3	5	16	24	16	14	19.5
Moorfield	Maximum	44	35	51	60	63	52	42	32	52	52	49	33	31	39	52	45	37	40	55	51	50	45	40	27	30	40	32	32	42	47	51	43.6
	Minimum	22	12	15	20	33	30	15	17	28	26	31	20	-11	-1	3	11	3	5	24	30	30	30	12	1	1	20	10	17	26	11	6	16.0
Piedmont	Maximum	24	22	42	45	52	35	35	30	42	47	37	27	29	32	48	36	26	32	55	46	39	38	31	22	19	25	24	36	41	47	44	35.7
	Minimum	16	12	15	39	33	30	22	17	27	37	27	18	13	11	10	13	2	23	27	27	32	30	15	11	0	1	9	18	30	11	16	19.1
Romney	Maximum	30	25	30	45	49	49	40	34	43	50	50	31	30	32	49	44	29	28	30	36	41	40	30	33	31	25	27	35	35	46	50	37.0
	Minimum	20	12	15	28	31	29	21	14	27	36	23	19	-5	9	9	15	-2	22	23	28	30	26	7	16	9	-2	-2	17	28	9	11	16.9
Upper Tract	Maximum	20	23	40	59	57	50	....	50	50	55	51	48	47	30	48	47	44	44	49	55	54	53	49	45	33	30	28	30	39	41	46	43.8
	Minimum	19	10	13	13	20	19	....	19	20	26	29	10	0	11	13	13	6	12	28	30	30	31	15	10	-1	-1	11	15	12	8	11	15.1
Wardensville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Northern Division.																																	
Bens Run	Maximum	39	29	44	62	64	35	41	41	45	50	40	32	28	34	46	35	45	46	51	38	36	36	31	30	31	41	36	45	42	52	56	41.3
	Minimum	18	14	20	40	33	28	19	22	33	29	31	20	15	14	33	20	16	30	38	26	30	28	13	12	8	12	22	24	20	18	20	22.8
Buckhannon	Maximum	41	30	43	62	62	42	35	42	40	49	44	30	28	31	41	29	42	51	55	48	51	36	33	25	25	40	40	35	36	49	51	40.8
	Minimum	16	6	10	38	39	30	20	23	33	31	30	18	6	9	26	14	10	30	48	35	33	29	11	11	5	9	25	25	24	15	18	21.8
Cairo	Maximum	27	26	43	63	62	38	37	42	45	48	42	32	29	33	45	33	45	53	51	45	39	35	30	22	28	37	37	41	41	49	53	40.4
	Minimum	20	16	18	41	37	30	17	19	30	24	31	20	13	8	26	12	18	36	37	26	30	26	10	12	4	5	17	19	22	22	15	21.3
Creston	Maximum	44	30	46	66	65	43	41	43	48	53	45	32	30	35	47	40	44	49	55	47	48	47	38	26	32	49	38	43	40	52	58	44.3
	Minimum	20	8	20	42	36	30	18	21	29	25	31	20	10	9	29	18	12	28	37	29	32	29	16	11	6	7	19	23	17	15	17	21.4
Elkins	Maximum	29	20	45	63	60	31	36	42	42	54	38	22	24	35	46	31	40	53	57	42	51	34	28	19	31	37	39	34	36	53	53	39.5
	Minimum	12	8	15	43	31	22	17	19	33	37	21	15	0	14	22	9	3	28	34	31	31	23	16	9	1	4	20	22	23	14	15	19.1
Fairmont§	Maximum	26	32	45	60	52	33	35	40	44	46	33	23	26	40	46	46	39	47	52	39	33	37	25	22	29	41	41	39	37	54	52	39.2
	Minimum	25	9	12	32	45	29	20	20	22	29	29	19	12	13	14	19	10	11	33	27	22	28	14	10	6	7	11	24	24	18	18	19.7
Glenville	Maximum	45	34	42	68	64	38	41	42	50	57	47	31	31	38	47	47	40	45	57	50	38	41	35	26	37	45	42	45	41	57	61	44.6
	Minimum	19	0	15	39	35	29	18	18	33	25	30	20	6	11	13	17	13	26	36	29	33	29	11	11	4	6	18	22	17	14	16	20.3
Grafton§	Maximum	26	42	47	51	54	33	37	42	37	37	37	24	24	46	46	32	40	53	55	40	35	36	25	19	26	33	38	38	37	54	42	38.3
	Minimum	22	7	12	37	44	29	18	18	30	26	32	19	9	13	19	15	10	25	34	28	31	28	4	9	5	10	21	25	23	31	16	21.0
Lost Creek	Maximum	42	27	43	64	61	40	40	40	46	52	46	30	30	32	45	37	43	51	54	45	38	38	31	24	28	40	39	38	40	54	55	41.7
	Minimum	19	4	13	38	38	29	15	17	31	26	29	18	8	10	10	12	6	25	36	28	31	28	15	11	6	4	20	23	17	10	13	19.0
Mannington	Maximum	39	23	43	62	62	36	37	40	46	47	43	30	26	29	45	37	39	42	53	44	38	36	32	22	27	39	39	40	39	54	57	40.2
	Minimum	20	6	15	38	34	29	16	17	33	25	29	19	3	13	24	17	7	25	33	37	31	28	12	10	5	5	15	20	20	10	16	19.7
Morgantown	Maximum	40	23	42	61	64	35	35	41	44	49	47	42	26	33	46	35	43	51	54	....	48	....	40	20	25	36	34	36	36	49	54	41.0
	Minimum	14	7	15	37	32	28	18	20	32	32	25	18	13	17	28	17	10	35	40	....	24	27	11	8	6	13	22	24	26	18	27	21.5
New Cumberland§	Maximum	26	36	44	60	49	34	34	41	45	46	34	22	27	44	41	28	38	45	44	42	31	30	18	17	24	33	33	39	40	48	53	37.0
	Minimum	25	11	14	35	43	28	15	15	18	27	26	18	17	16	18	14	9	9	32	20	21	25	7	4	3	4	7	15	11	15	15	17.3
New Martinsville	Maximum	38	30	44	63	64	39	39	41	47	50	42	33	29	35	46	37	46	46	52	43	36	37	31	25	31	41	41	44	43	54	58	42.1
	Minimum	18	12	21	39	34	30	19	21	32	28	30	20	15	16	31	19	14	30	38	26	29	29	12	10	8	10	22	29	26	18	21	22.8
Parkersburg	Maximum	32	26	44	64	57	35	38	42	47	49	41	29	30	41	45	35	45	53	52	37	33	35	21	21	28	36	36	43	41	49	56	40.0
	Minimum	18	16	26	44	32	27	23	26	34	33	28	20	17	15	29	22	19	37	32	26	30	19	13	12	8	13	24	24	22	22	23	23.7
Parsons	Maximum	35	22	43	56	50	35	35	39	46	50	46	26	26	30	46	38	36	49	52	42	50	36	31	22	31	38	38	37	38	50	51	39.5
	Minimum	18	8	8	18	24	14	14	15	23	32	26	15	1	12	14	17	-2	21	33	34	32	26	15	7	-4	-1	10	21	23	9	11	15.9
Philippi	Maximum	41	21	44	64	64	36	36	43	44	52	44	28	27	30	45	35	45	52	54	46	42	34	32	22	28	41	37	35	35	54	54	40.8
	Minimum	16	7	7	30	34	27	12	30	32	32	26	15	12	12	26	13	15	37	39	27	31	26	11	7	3	9	14	23	24	14	24	20.5
Pickens	Maximum	30	19	41	57	58	35	35	41	39	50	43	21	25	28	42	30	44	41	49	44	55	32	30	25	32	39	39	33	36	38	40	37.8
	Minimum	10	4	8	36	32	19	14	20	18	30	19	10	0	7	24	7	7	21	32	18	30	22	15	7	2	8	18	22	20	20	20	16.8
Terra Alta	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Wellsburg	Maximum	35	35	42	55	61	33	31	39	42	44	40	29	29	30	44	31	41	44	48	41	32	32	19	23	31	35	41	41	41	47	52	38.4
	Minimum	18	12	20	34	32	28	14	15	28	30	28	15	14	15	26	14	7	26	35	22	27	9	6	2	4	11	4	17	15	11	16	17.9
Weston	Maximum	42	27	45	63	64	40	39	41	47	53	48	31	28	31	49	42	40	54	56	49	39	39	35	27	29	41	39	38	38	54	56	42.7
	Minimum	20	7	17	39	40	30	20	22	34	29	30	18	12	14	30	18	13	29	39	30	33	30	17	12	7	10	22	27	22	16	19	22.8
Wheeling§	Maximum	28	39	46	60	49	36	34	40	45	50	35	25	29	44	44	35	43	47	49	35	31	37	25	23	30	40	55	46	46	57	59	40.7
	Minimum	25	9	13	37	35	27	16	17	20	25	27	20	15	15	13	15	12	13	34	24	20	25	8	9	5	7	10	18	18	15	16	18.2
Southern Division.																																	
Bluefield	Maximum	45	47	50	63	58	49	46	44	48	54	48	27	27	34	42	37	37	52	56	57	57	42	36	33	29	31	29	32	43	44	56	43.6
	Minimum	32	9	25	22	46	27	24	30	35	32	27	16	8	10	21	19	23	32	45	36	40	30	25	22	20	12	16	22	18	20	20	24.6
Charleston	Maximum	43	42	44	62	49	50	43	48	50	52	50	48	41	38	51	48	49	57	52	50	46	49	42	30	34	48	45	46	44	49	52	46.8
	Minimum	21	20	14	15	38	25	22	27	30	32	29	22	14	12	18	22	20	25	38	31	34	22	19	12	10	10	15	29	19	20	21	22.1
Gary §	Maximum	54	35	48	64	57	40	51	44	50	55	36	24	32	....	51	40	48	57	58	56	....	51	37	31	37	36	35	36	43	51	60	45.4
	Minimum	13	13	13	35	43	31	26	26	34	27	28	22	10	9	....	9	23	27	32	38	38	.. .	28	24	16	16	13	23	18	20	20	23.3
Green Sulphur Spgs.	Maximum	41	31	55	54	55	45	48	54	50	50	46	30	29	40	50	43	36	47	50	48	47	39	37	39	35	35	34	40	44	47	53	43.6
	Minimum	19	19	15	33	38	28	20	22	32	22	29	19	1	4	12	22	15	34	33	31	34	25	28	31	15	10	19	18	5	9	9	21.0
Hinton §	Maximum	30	35	38	56	59	42	50	38	54	49	36	28	30	40	53	39	36	42	49	56	48	45	37	35	35	36	31	41	46	50	53	42.5
	Minimum	26	12	13	25	35	28	23	22	29	24	25	22	10	10	10	18	20	25	32	35	35	33	28	20	16	12	12	18	15	18	15	21.5
Huntington §	Maximum	26	42	51	63	49	35	40	44	48	52	38	26	32	45	48	35	42	55	52	46	35	37	25	23	30	39	34	42	40	50	53	41.2
	Minimum	25	16	16	41	49	31	24	24	30	30	30	25	19	18	18	24	20	20	40	30	30	30	19	13	12	12	15	31	22	22	22	24.5
Lewisburg	Maximum	40	25	35	52	54	42	42	36	45	46	42	28	28	31	45	41	32	41	47	47	47	42	35	33	25	31	35	40	43	41	45	39.2
	Minimum	15	8	14	33	35	24	18	21	31	29	28	15	-2	10	6	25	14	30	32	34	38	28	25	17	10	8	17	18	14	6	1	19.4
Marlinton	Maximum	32	20	38	48	48	36	36	30	40	42	32	28	20	22	42	28	28	38	44	42	44	36	32	26	22	28	32	38	42	38	42	34.6
	Minimum	10	2	10	30	26	14	10	16	14	18	20	8	-12	8	-4	8	0	20	26	28	36	22	18	10	-2	-4	14	16	18	4	2	12.5
Point Pleasant	Maximum	42	30	45	65	64	38	42	42	50	52	49	31	32	36	50	39	49	53	53	45	38	39	35	25	32	39	36	44	42	51	56	43.4
	Minimum	22	12	25	41	35	29	27	22	30	27	30	21	14	13	34	20	26	30	40	26	31	26	20	11	7	10	23	29	17	19	20	23.8
Powellton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Robertsburg§	Maximum	28	45	48	64	49	38	44	44	48	54	35	25	30	45	48	39	47	57	52	38	35	48	24	25	33	43	35	43	40	54	60	42.5
	Minimum	26	11	12	40	48	30	20	21	27	27	27	21	14	10	13	19	15	16	34	28	28	29	17	12	10	10	10	27	14	16	17	20.9
Ryan	Maximum	39	38	46	65	65	36	43	43	50	55	40	30	28	36	50	37	46	55	55	44	34	36	40	32	31	41	36	39	42	53	57	43.3
	Minimum	19	0	18	39	36	28	14	21	25	21	26	16	3	1	27	12	12	26	31	27	27	27	14	9	5	6	18	23	12	12	14	18.4
Spencer §	Maximum	29	43	50	64	52	35	42	54	51	50	35	22	30	34	32	34	50	55	55	37	34	40	27	23	30	39	40	45	45	54	61	41.7
	Minimum	21	9	20	41	41	30	20	23	25	31	28	22	8	11	13	20	18	28	40	28	32	24	12	11	8	7	21	18	20	16	19	21.5
Union	Maximum	....	50	....	59	60	64	41	....	44	59	49	34	29	31	....	46	....	50	47	46	46	....	45	41	34	29	31	....	....	44	44	44.5
	Minimum	....	10	....	25	40	25	21	....	23	41	30	12	-3	11	....	22	....	18	38	35	40	....	25	21	12	11	17	....	....	9	5	21.2
White Sulphur Spgs§	Maximum	31	53	55	60	56	44	16	52	53	36	24	31	31	48	34	36	48	51	50	40	40	36	35	27	31	34	35	45	43	49	45	41.9
	Minimum	9	9	25	32	40	17	20	32	22	33	20	0	5	6	11	14	23	33	36	37	29	25	12	10	6	7	15	10	9	5	7	18.1
Williamson §	Maximum	28	36	12	52	52	36	42	44	48	50	37	25	33	38	49	35	44	52	54	45	41	38	32	19	33	39	40	39	42	48	52	40.8
	Minimum	21	15	15	35	42	32	27	27	35	30	30	23	19	13	13	28	23	29	36	35	35	32	26	19	15	16	20	29	21	22	26	25.5

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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1922

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXX. PARKERSBURG, W. VA., FEBRUARY, 1922. NO. 2.

GENERAL SUMMARY.

The past month, with an average temperature of 38.2°, was the warmest February of State record, except in 1909, 1911, and 1915, when the average February temperatures were 40.4°, 38.7°, and 38.4°, respectively. The month was nearly continuously warm, moderately cold weather prevailing on only two or three days. The precipitation averaged slightly below the normal and was well distributed throughout the month. The monthly amounts received over the western counties, however, were considerably smaller than over the mountain sections and eastern panhandle counties. The snowfall was much below the normal and heaviest over the eastern counties. The sunshine was in excess. The conditions were generally favorable for outdoor work and winter grains. There was a light snowcover during the coldest period of the month. The rivers were at moderate stages and practically free from ice.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.15 and 30.16 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.64 inches on the 28th, and 29.59 inches on the 6th. Elkins, 30.64 inches on the 17th, and 29.58 inches on the 2d.

TEMPERATURE.

The monthly mean for the State, determined from 49 stations, was 38.2°. The departure from the normal for 45 stations having ten or more years of record was +6.4°. The temperature was considerably above the normal from the 1st to the 6th, 10th to the 12th, and the 19th to the 24th, with the highest readings on the 22d and 23d. Somewhat colder weather than usual prevailed on the 8-9th and from the 13th to the 17th, with the lowest temperatures on the 17th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 74 per cent; 8 p. m., 64 per cent. The February averages for the same hours for the past 33 years are 82 and 76 per cent, respectively. Elkins, 8 a. m., 87 per cent; 8 p. m., 75 per cent. The February averages for Elkins for the same hours for the past 21 years are 84 and 74 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 72 stations, was 2 89 inches. The departure from the normal for 49 stations having ten or more years of record was −0.21 inch. Most of the precipitation was received on the 1st-2d. 6-7th, 11-12th, 15th, 19-20th, and 27th, the greatest amounts being recorded on the 11th, 15th, 20th, and 27th. Snow fell in most localities on the 7th, 9th, and 15th, and in the more elevated sections also on the 8th, 16-17th, and 28th. The falls were light over the western counties and moderate over the mountain districts and eastern panhandle counties. The greatest amounts were received on the 15th.

WIND.

The average wind velocity at Parkersburg was 7.2 miles per hour, or 0.1 mile below the February average for 32 years. The average at Elkins was 6.6 miles per hour, or 0.9 mile above the February average for 23 years. The highest velocity at Parkersburg was 36 miles per hour from the southwest on the 23d, and at Elkins 36 miles per hour from the northwest on the 2d.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 45 per cent of the possible amount, or 9 per cent above the February average for 24 years. The average at Elkins was 43 per cent, or 4 per cent below the February average for 22 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Davis, 27th; Hinton, 22d; Marlinton, 21st, 22d, and 23d; Pickens, 27th and 28th: Smithfield, 20th; Stony River Dam, 6th, 12th, 27th, and 28th; Terra Alta, 10th, 12th, and 25th; Union, 15th, Wellsburg, 15th; Wheeling, 1st, 10th, 17th. and 20th.

Hail: Bruceton Mills, 12th.

Halos, lunar: Cairo and Parkersburg, 8th; Wellsburg, 7th.

Halos, solar: Bruceton Mills, 4th; Ryan, 17th.

Haze, dense: Bayard, 25th, 26th, and 28th.

Sleet: Beckley, 28th; Brandywine, 19th; Moorefield, 19th; Smithfield, 6th; Wheeling, 12th and 19th.

Thunderstorms (dates and number of stations reporting): 2d, 1; 10th, 11; 11th, 34; 12th, 32; 13th, 7; 19th, 9; 20th, 8; 22d, 1.

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	38.1	.....	.....	5.39	.....	.....				
1892	37.1	72	−12	2.30	.....	.....	.....	.....	.....	.....
1893	35.0	71	− 6	4.51	6.70	1.65	.....	.....	.....	.....
1894	33.4	74	− 5	3.99	7.48	2.05	.....	9	7	12
1895	22.8	79	−17	1.27	2.44	0.61	.....	10	9	9
1896	33.4	62	− 5	3.31	6.23	1.50	.....	7	8	14
1897	36.8	70	3	5.95	8.18	3.00	.....	7	7	14
1898	32.7	74	−13	1.81	3.38	0.64	.....	10	8	10
1899	26.1	69	−35	4.32	6.43	2.25	19.0	7	5	16
1900	30.7	83	−11	3.94	5.62	2.31	10.1	5	10	13
1901	27.1	62	− 6	0.86	1.66	0.10	4.1	8	8	12
1902	26.7	68	−14	3.20	5.65	1.33	8.1	6	7	15
1903	35.3	74	−19	5.99	9.59	2.58	8.6	10	6	12
1904	29.3	80	−13	2.37	4.55	0.52	8.1	12	9	8
1905	25.6	56	−22	2.34	4.65	0.80	8.1	8	6	14
1906	32.4	79	−11	1.60	3.34	0.16	8.1	15	6	7
1907	31.1	68	−23	2.55	4.83	0.67	11.1	9	8	11
1908	30.9	72	−10	3.72	6.26	1.77	15.8	7	8	14
1909	40.4	80	− 5	4.16	7.68	1.44	3.4	7	8	13
1910	31.5	72	−11	3.18	6.56	0.98	13.5	9	8	11
1911	38.7	76	− 6	2.03	3.92	0.40	4.8	8	8	12
1912	27.3	70	−17	2.45	5.08	0.72	6.4	10	8	11
1913	32.6	80	− 4	2.27	6.15	0.21	4.7	13	6	9
1914	28.4	70	−22	3.64	6.96	1.63	19.7	9	7	12
1915	38.4	72	− 2	3.07	5.33	0.90	3.6	10	5	13
1916	31.4	72	−12	4.30	9.19	1.79	13.2	8	6	15
1917	31.0	80	−14	3.29	7.73	1.26	10.1	9	7	12
1918	35.4	81	−19	3.12	6.60	0.45	3.8	11	6	11
1919	35.2	72	− 2	1.85	3.93	0.35	3.5	11	5	12
1920	31.3	69	− 4	2.71	5.49	1.49	9.3	7	5	17
1921	37.4	79	−10	2.61	4.90	1.10	10.8	8	5	15
1922	38.2	77	−14	2.89	5.57	0.94	6.3	8	7	13
Means and extremes	32.6	83	−35	3.17	9.59	0.10	8.9	9	7	12

Climatological Data for February, 1922.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	21	35.0	+ 7.6	69	23	− 5	17	41	2.47	−0.92	0.51	7.7	9	13	10	5	w.	U. G. Clark.
Brandywine	Pendleton	......	6	39.0	......	70	23	−14	17	40	3.60	......	0.90	11.0	9	14	1	13	s.	Elmer Keister.
Burlington	Mineral	875	28	36.4	+ 6.1	75	23	−11	17	41	2.70	+0.31	1.00	7.5	5	1	20	7	w.	J. W. Vandiver.
Harpers Ferry	Jefferson	241	33	......	......	......	......	......	......	......	1.98	−0.51	0.64	9.0	11	......	......	......	......	J. C. Newcomer.
Martinsburg	Berkeley	435	30	35.8	+ 5.8	75	23	4	17	38	2.21	−0.22	0.97	9.7	10	13	6	9	nw.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	26	40.8	+ 8.5	77	23	−10	17	42	3.82	+1.45	1.62	20.5	11	26	0	2	......	M. S. Henkel.
Piedmont	Mineral	919	9	36.0	......	75	23	1	17	40	2.37	......	0.74	6.5	8	10	8	10	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	24	38.0	+ 5.8	72	23	− 3	17	43	1.97	−0.29	0.72	8.0	7	8	11	9	......	Geo. E. Arnold.
Stony River Dam	Grant	......	2	......	......	......	......	......	......	......	3.49	......	0.91	11.2	13	3	5	20	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	23	37.8[a]	+ 5.6	65	22†	− 4[a]	17	40[a]	2.03	+0.34	0.99	12.0	6	12	1	15	s.	J. M. Mallow.
Wardensville	Hardy	1,200	4	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Luther F. Sutton.
Averages and	extremes	......	....	37.4	+ 6.6	77	23	−14	17	43	2.66	+0.02	1.62	10.3	9	11	7	10	w.	
Northern Division.																				
Bens Run	Pleasants	622	20	39.6	+ 6.8	72	22	4	17	42	1.52	−1.67	0.26	4.0	9	15	6	7	......	J. D. Riggs.
Bruceton Mills	Preston	1,549	2	......	......	......	......	......	......	......	2.36	......	0.41	8.5	13	0	12	16	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	25	40.8	+ 9.3	69	22	3	17	35	4.41	+0.54	0.90	4.5	9	13	3	12	......	H. A. Darnall.
Cairo	Ritchie	680	23	39.4	+ 6.9	72	22†	2	17	40	2.40	−1.08	0.41	4.5	13	5	8	15	......	O. C. Hess.
Cheat Bridge	Randolph	3,558	4	31.0[a]	......	63[a]	23	−10	17	42[a]	4.96	......	1.09	17.5	17	8	5	15	......	H. F. Cromer.
Cortland	Tucker	3,300	11	......	......	......	......	......	......	......	3.83	......	0.85	11.0	8	1	18	9	......	G. W. Harmon.
Creston	Wirt	701	20	41.4	+ 8.6	73	23	5	17	36	3.43	+0.54	0.63	3.3	13	3	2	23	w.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	1	......	......	......	......	......	......	......	1.95	......	0.35	5.0	11	......	......	......	n.	Lockmaster.
Dam 12 O. R.	Ohio	614	6	......	......	......	......	......	......	......	1.54	......	0.33	......	13	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	665	6	......	......	......	......	......	......	......	1.34	......	0.24	......	11	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	889	1	......	......	......	......	......	......	......	1.69	......	0.41	2.0	13	......	......	......	n.	Lockmaster.
Davis	Tucker	3,093	13	......	......	......	......	......	......	......	5.57	+1.36	1.05	13.2	17	7	10	11	w.	Ross C. Male.
Elizabeth	Wirt	646	10	......	......	......	......	......	......	......	2.33	......	0.48	......	13	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	21	37.4	+ 5.9	73	23	1	17	36	4.26	+1.09	1.06	5.2	18	1	13	14	nw.	U. S. Weather Bureau.
Fairmont	Marion	883	16	36.6	+ 4.4	72	23	0	17	42	2.65	−0.36	0.72	5.4	13	15	4	9	w.	Creed E. Bolyard.
Glenville	Gilmer	738	28	42.0	+ 9.3	76	22	5	17	39	3.20	−0.53	0.68	3.0	13	8	8	12	w.	Howard R. Brannon.
Grafton	Taylor	1,000	29	37.7	+ 6.1	73	22†	− 2	17	46	1.84	−1.45	......	1.5	11	6	10	12	e.	W. C. Byers.
Lost Creek	Harrison	1,026	24	39.8	+ 8.8	72	22†	− 2	17	40	2.98	−0.08	1.48	2.8	9	7	14	7	w.	Allen Smith.
Mannington	Marion	974	19	37.8	+ 6.8	72	22†	−10	17	40	1.79	−1.00	0.40	3.0	9	11	6	11	sw.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	29	40.8	+ 9.5	76	23	5	17	30	0.94	−2.17	0.26	1.2	6	2	6	20	s	Prof. E. L. Andrews.
Moundsville	Marshall	642	19	36.4	+ 4.8	74	23	0	17	41	2.15	−0.13	0.74	1.0	8	10	7	11	sw.	G. W. Wright.
New Cumberland	Hancock	987	24	33.1	+ 5.4	71	22	3	17	44	1.94	−0.43	0.50	3.0	11	7	7	14	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	28	39.1	+ 6.9	74	23	− 2	17	34	1.81	−1.17	0.32	......	9	11	6	11	s.	Wm. Ankrom.
Parkersburg	Wood	638	35	38.4	+ 4.6	72	22	8	17	35	1.57	−1.67	0.31	3.6	14	6	9	13	nw.	U. S. Weather Bureau.
Parsons	Tucker	1,656	22	37.4	+ 7.7	75	23	− 7	17	42	3.79	+0.37	......	11.0	....	6	10	12	......	J. W. Swisher.
Philippi	Barbour	1,149	25	40.0	+ 8.8	71	22†	0	17	37	3.05	−0.32	0.82	2.0	13	5	6	17	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	19	35.6	+ 4.0	70	22	− 7	17	35	5.04	−0.03	1.87	14.0	13	9	6	13	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	35	......	......	......	......	......	......	......	3.39	−0.02	0.58	......	13	......	......	......	w.	J. F. Pierce.
Saint Marys	Pleasants	577	13	......	......	......	......	......	......	......	2.11	−1.09	0.40	......	11	......	......	......	sw.	Wm. Hughes.
Smithfield	Wetzel	835	16	37.5	+ 6.9	74	22	− 7	17	50	2.30	−1.32	0.37	4.5	12	11	16	1	sw.	G. M. Whisler.
Terra Alta	Preston	2,612	21	37.7[c]	+ 9.9	64[c]	21	3[c]	16†	42[d]	3.76	−0.01	0.85	16.3	10	14[b]	3[b]	9[b]	ne.	N. F. Kidd.
Wellsburg	Brooke	1,225	21	36.0	+ 8.5	70	22	0	17	36	1.39	−1.29	0.47	1.0	8	12	6	10	w.	George F. Pfister.
Weston	Lewis	1,026	26	41.7	+ 9.8	73	22†	2	17	37	3.78	+0.04	0.73	4.0	16	1	15	12	ne.	Weston State Hospital.
Wheeling	Ohio	645	35	35.2	+ 4.4	74	22	0	17	44	1.54	−0.99	0.30	1.6	12	6	8	14	nw.	Miss M. B. Forsyth.
Averages and	extremes	......	....	38.0	+ 7.1	76	22†	−10	17	50	2.72	−0.46	1.87	5.6	12	8	8	12	w.	
Southern Division.																				
Bancroft	Putnam	574	18	39.3	+ 5.6	74	22	9	17	34	2.89	−0.92	0.53	3.4	15	7	1	20	nw.	E. H. Morrow.
Beckley	Raleigh	2,440	22	36.4	+ 3.1	68	22	0	17	33	1.34	−1.72	0.47	9.9	12	5	8	15	sw.	E. E. Phipps.
Bluefield [a]	Mercer	2,558	27	41.6	+ 7.7	70	22	8	17	29	4.23	+1.18	1.19	8.5	14	6	11	10	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	7	......	......	......	......	......	......	......	3.20	......	1.60	T.	3	4	0	24	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	19	39.2	+ 0.8	69	22	8	17	44	2.90	−0.68	0.50	3.0	12	7	1	20	nw.	C. V. Lewis.
Clay	Clay	706	6	......	......	......	......	......	......	......	2.97	......	0.80	3.0	13	......	......	......	......	Mark King.
Cuba [a]	Jackson	650	20	37.2	+ 4.4	......	......	7	17	......	......	......	......	......	......	......	......	......	......	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	6	......	......	......	......	......	......	......	1.69	......	0.34	3.1	14	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	6	......	......	......	......	......	......	......	2.23	......	0.55	4.0	15	......	......	......	......	Lockmaster.
Dam 22 O. R.	Jackson	538	7	......	......	......	......	......	......	......	2.42	......	0.60	......	8	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	6	......	......	......	......	......	......	......	1.44	......	......	......	9	......	......	......	......	U. S. Engineer Office.
Evans	Jackson	606	10	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	B. F. Sayre.
Gary	McDowell	1,426	6	41.1	......	76	22	12	17	39	4.72	......	0.94	2.5	14	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	26	40.2	+ 7.8	72	23	12	16†	36	4.35	+1.56	0.78	11.0	13	7	2	19	w.	W. H. Gwinn.
Hinton	Summers	1,450	25	39.0	+ 5.0	75	22	7	17†	41	4.02	+0.97	0.88	6.5	13	5	2	21	n.	J. B. Lavender, C. E.
Huntington	Cabell	558	28	39.4	+ 6.8	72	22	13	17	32	2.36	−0.77	0.52	1.7	14	6	4	18	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	3	......	......	......	......	......	......	......	1.72	......	0.55	......	5	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	6	......	......	......	......	......	......	......	3.97	......	0.89	......	14	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	22	37.4	+ 5.4	68	22†	2	17	34	3.40	+0.44	0.72	15.5	10	4	14	10	nw.	Geo. T. Argabate.
Logan	Logan	687	19	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	C. & O. R. R.
Marlinton	Pocahontas	2,131	23	31.8	+ 2.8	62	23	− 6	17	36	5.49	+2.10	1.10	16.0	16	1	17	10	sw.	S. L. Brown.
Miller	Fayette	......	2	......	......	......	......	......	......	......	3.50	......	0.73	......	15	......	......	......	......	J. R. Bays.
Point Pleasant	Mason	553	29	41.2	+ 7.6	75	22	8	17	31	2.89	−0.55	0.75	T.	12	3	7	18	......	W. D. Holmes.
Powellton [1]	Fayette	933	26	......	......	75	22†	......	......	......	1.14	−1.91	0.45	1.0	8	8	2	13	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	6	......	......	......	......	......	......	......	4.61	......	0.83	8.6	17	......	......	......	......	Raleigh Coal & Coke Co.
Robertsburg	Putnam	574	22	38.2	+ 5.3	74	22	9	17	35	2.95	−0.07	0.42	1.0	12	4	3	21	n.	E. C. Brace, Jr.
Ryan	Roane	709	19	40.0	+ 6.8	73	22	4	17	40	2.64	−0.73	0.61	3.5	14	3	13	12	......	Wm. E. Ryan.
Sharples	Logan	......	2	......	......	......	......	......	......	......	4.37	......	1.10	......	8	......	......	......	......	C. E. Rippetoe.
Spencer ††	Roane	784	18	40.6	+ 6.8	73	23	7	17	40	2.67	−0.37	0.80	2.0	10	2	11	15	......	A. M. McKown.
Sutton	Braxton	839	16	39.5	+ 5.0	67	12†	4	17	36	2.32	−0.98	0.43	5.0	9	13	0	15	......	C. B. Eakle.
Union [1]	Monroe	2,250	18	39.1	+ 6.3	70	22†	6	17	35	3.92	+1.21	1.80	4.2	7	......	......	......	......	W. M. H. Young.
White Sulphur Springs	Greenbrier ††	1,940	12	37.8	......	72	22	5	16	40	2.09	......	0.35	16.0	17	11	10	7	......	J. M. Ayres.
Williamson	Mingo	660	22	40.5	+ 4.4	70	12†	14	17	35	4.55	+1.70	1.18	3.0	15	12	7	9	w.	J. F. Keyser.
Averages and	extremes	......	....	38.9	+ 5.3	76	22	− 6	17	44	3.16	+0.11	1.80	5.2	12	6	6	16	nw.	
State averages and	extremes	......	....	38.2	+ 6.4	77	23	−14	17	50	2.89	−0.21	1.87	6.3	11	8	7	13	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c appearing in the table indicate number of days missing; for example, b represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for February, 1922.

Stations.	Drainage basin.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	[illegible]
Panhandle Division.																																	
Bayard	Potomac	T.	.39			T.	T.	.21	.16	T.	T.	.51	.18	T.	T.	.42	T.	T.		.14	.38	.08							T				[illegible]
Brandywine	...do					T.	.05	.20	T.			.96	.75			.90				.15	.05	.45		T				.15					[illegible]
Burlington	...do	.20				T.	T	T.				*	.75			.75											1.00						2.70
Harpers Ferry ||	...do		.20				.06					.10	.11	.02		.64	.15			.21	.02	.06						[illegible]					1.98
Martinsburg	...do		.33			.06	.05				.13	*	.11			.97			.03			.05						.18					2.21
Moorefield	...do		.12			T.	.03	.22				.70	.20	.17		1.62				.03	.16	.20						.37					[illegible]
Piedmont	...do		.18				.03	T.			T.	.39	.24	.12		.65				.02								.74					2.37
Romney	...do					T.	.08	T.				.25		.18			.72			T.	.39	.10						.25					1.97
Stony River Dam ||	...do		.30			.02		.09	.09			.91	.20	.12		.63	.18			.20	.40	.17						.18					3.19
Upper Tract	...do		.10			T.	T.	.09				.50	.25			.99					.10												2.03
Wardensville ||	...do																																
Northern Division.																																	
Bens Run	Ohio		.25							.11		.19	.04			.22			.04	.21	.26							.20					1.52
Bruceton Mills	Monongahela	T.	.37	T.		T.	.12	.16	.01	.07		.41	T.	.13		.36	.01		T.	.11	.06			.09	T.		T.	.40	T.				2.36
Buckhannon	...do	.60	.05			T.	T.	.35				.75	.25			.60			T.	T.	.90	.01		T.					.90				4.41
Cairo	Little Kanawha	T.	.21				.10	.05	T.	.13		.35	.36	T.		.31	T.		.05	.16	.41	.01		.02				.26					2.40
Cheat Bridge ||	Monongahela		.23			.10	.11	.36	.20	.04		1.09	.31	.08		.84	.14	.03		.29	.62	.17		.05				.30	T.				4.96
Cortland ||	...do	.48				.36				.09	.85					.54				.76	.17						.58						3.83
Creston ||	Little Kanawha		.30			T.	.20	.03	.20		.02	.40	.15	.58		.20	T.			.35	.60	.10			T.			.30					3.43
Dam 10, Mon. R. ||	Monongahela	.18					.06	.11		.05		.22	.29			.32			.11		.25			.01			.35						1.95
Dam 12, O. R. ||	Ohio		.24				.21	.01	.01		.03	.09	.03	.33		.12				.22	.04				.01			.20					1.54
Dam 13, O. R. ||	...do		.22				.16	.02			.02	.16	.03	.09		.08				.24	.10							.22					1.34
Dam 15, Mon. R. ||	Monongahela		.16				.02	.03	T.		.02	.41	.11	.08		.31	.02			.12	.06				.02			.33					1.69
Davis ||	...do		.46			T.	.09	.04	.49	.09		1.05	.20	.15		.27	.22	.04		.85	.81	.14			.02			.57	.08				5.57
Elizabeth ||	Little Kanawha		.12				.12	.02	.05		.08	.45	.07	.05		.32				.24	.48	.07						.26					2.33
Elkins ***	Monongahela	.02	.25			.03	.06	.30	T.	.02	.43	.63	.53		.12	.49	T.		.11	.36	.37			.03			.21	.22	.08				4.26
Fairmont ||	...do		.24		T.		.07	.02	.02	T.	.06	.45	.12	.09		.18	.27	T.		.50	.22				T.			.38	T.				2.65
Glenville ||	Little Kanawha		.25			.05	.06	.22	.14		.12		.10	.15		.40				.36	.68	.37			T.			.30					3.20
Grafton ||	Monongahela		.35				T.	*	.15			.19	.17			*	.39			*	.30							*	.29				1.84
Lost Creek	...do	T.	.11			T	.10	.08		.09		.68	.05			.09	T.			T.	1.48			T.				.30					2.98
Mannington	...do		.25				.05	.04		.05		.30	.15			.35				.20								.40					1.79
Morgantown	...do	T.	T.				.15	.02				.17	.26			.09				.25								T.					0.94
Moundsville ||	Ohio		.74				.02	T.		T.		.49				.09	T.			.47	.12				.01			.21					2.15
New Cumberland	...do	.22					.25		T.		.15	.03	.02	.50		.06				.22	.12		.11					.23					1.94
New Martinsville	...do		.30				.02			.07		.10	.25			.30				.32	.15							.30					1.81
Parkersburg ***	Ohio	.11	.10	T.		T.	.02	.03	T.	.16	.13	.05	.08			.19	T.		.22	.30			T.	.01	T.		.14	.03					1.57
Parsons	Monongahela	T.					T.	.54	.18				*			.27				2.40								.40					3.79
Philippi	...do	T	.23				.06	.08		.04		.82	.07	.23		.48	.04			.12	.47	.06		T.				.35	T.				3.05
Pickens	...do	.20						.54	.27	T.		1.87	.63			.18	.09	.09		.20	.22			.04				.62	.09				5.04
Rowlesburg ||	...do		.49				.08	.05	.14			.58	.20	.20		.56	.05			.22	.24							.51	.07				3.39
Saint Marys ||	Ohio		.31				.05	.03		.03	.15	.18	.15			.25	T.			.25	.40							.28					2.11
Smithfield ||	Fishing Creek		.33				.09	.08		.09		.31	.12	.10		.36				.24	.20				.01			.37					2.30
Terra Alta	Monongahela	.04					.01	T.	.31	.34		.85	.75	T.		.31	.49							.01		.65							3.76
Wellsburg	Ohio		.15				.30			.05		.10	.37	T.		.09					.05			T.				.28					1.39
Weston	Monongahela	.29	.04			.01	.08	.28	T.	.10		.73	.15	.18		.70	.01		.01	.19	.57	.07		T.				.37					3.78
Wheeling ||	Ohio		.23	T.			.18	.01	T.		.05	.08	.03	.30	T.	.12				.22	.10				.01	T.		.21					1.54
Southern Division.																																	
Bancroft ||	Great Kanawha		.23			.05	.07	.06		T.	.01	.07	.12	.31		.53	.12			.22	.28	.44			.03			.35					2.89
Beckley	...do	.03	.05			.08	.02		.47		.03	.05				.10	.12			.06								.19	.14				1.34
Bluefield	...do	T.	.11			.19	.03	.63				T.	*	.46	.04	1.19	.08			*	.89	.28		.05					.28				4.23
Camden-on-Gauley ||	...do									T.							T				1.60	.80						.80	T.				3.20
Charleston ||	...do		.18			.14	.14	T.					.10	.10	T.	.40	.50			.35	.20	.39	T.					.25	.15				2.90
Clay ||	...do		.05					.20	.01			.25	.15	.17		.80	.15	T.		.15	.34	.37			.03			.30					2.97
Cuba	Sand Creek			.30			.10	.10				.55	.10			T.			.35														†††
Dam 19 O. R. ||	Ohio		.24				.04	.01	.02	T.	.04	.11	.10	.01		.19	.02	T.		.30	.34		T.		.02	T.		.25					1.69
Dam 20 O. R. ||	...do		.24				.03	.02	.02		.08	.27	.22	.02		.23	.02			.27	.55	.02			.02	T.		.22					2.23
Dam 22 O. R. ||	...do	.25										.40	.10			.32	T.			.45	.60	.10						.20					2.42
Dam 26 O. R. ||	...do		.24			.06	.06	T		*			.15	.30		*						.38						.25					1.44
vans	Ohio																																
ary ||	Big Sandy		.06			.20	.07		.20		.15		.55			.94	.14			.43	.83	.72			.10		.30	.03					4.72
reen Sulpr. Spgs.	...do		.35			.09	.21	.36				.37	.46	.09		.36	.18			.56	.78			.20			T.	.36					4.35
into ||	...do		.16			.18	T.	.32	T.		T.	.04	.40	.35		.88	.10			.16	.42	.40		T.			T.	.54	.04				4.02
untington ||	Ohio		.18			.04	.12	.06	T.	.02	.04		.20	.16		.36	.06			.28	.24	.28						.32					2.36
anawha Falls ||	Great Kanawha		.20													.55					.30							.25	.12				1.72
ayford ||	...do		.24				.17	*	.31	T.		.11	*	.31		.89	.22			.37	*	.78						*	.57				3.97
ewisburg	...do	T.	.37			.22		.45			T.	.12	.29			.72	T.			.27	.26	.28		T.			T.	.42					3.40
ogan	Guyandotte																																
arlinton	Great Kanawha	.16	.94			.28	.03	.25		.05	.08	.82	.12	.16		.95	T.			.29	.64	.20	.10				T.	.42					5.49
iller	Meadow Creek		.22			.07		.39	.06			.16	.20			.73	.06	.12		.26	.39	.37			.08			.21	.12				3.50
oint Pleasant	Ohio	.10	.16				.02			.09		.33	.35			.54			.04	.30	.75	.15						.26					2.89
owellton	Great Kanawha						.10	.09				.05				.10					.20	.10		.05				.45					1.14
aleigh ||	...do		.19	T		.05	.09	.45	.26	T.	.05	.20	.28	.10		.83	.09	T.	T.	.48	.60	.32			.05	T.		.52	.05				4.61
obertsburg ||	...do		.35			.08	.10	.04				.30	.10	.18		.35	T.	T.		.35	.33	.42						.35					2.95
van	...do		.16			.04	.02	.16		.04		.12	.26			.61	T.		.01	.31	.25	.38		.01				.27					2.64
arples ||	Coal River						.40	T.	T.		.50	.20				1.10				.70	.72							.53	.22				4.37
encer ||	Little Kanawha					.05	.15	.09			.10	.47	.26		.09					.80	.37	.29											2.67
itton	Great Kanawha					.10		.27				.20	.22				.18			.18	.32	.42						.43					2.32
non	...do		.65				.24	.20								.18				1.80		.40						.45					3.92
hite Sulpr. Spgs ||	...do	.25	.01		.10		.35	.05			.08	.05	.03		.35	.20	.01		.12	.16	.08	.01		.06			.18						2.09
illiamson ||	Big Sandy		.10			.05	.03	.25	.10		.05		.23			.92	.22			.38	1.18	.54			.15			.60	.05				4.85

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

|| Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

††† Probably incomplete.

Daily Temperatures for February, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	53	50	48	33	48	47	38	24	36	52	56	56	50	36	33	30	27	43	53	55	55	66	69	52	47	49	47	41	....	....	....	46.2
	Minimum	12	34	27	22	28	32	22	15	14	32	35	32	26	13	14	4	−5	11	34	42	33	31	33	24	17	28	35	23	....	....	....	23.9
Brandywine	Maximum	50	53	48	45	42	45	38	35	40	54	67	60	50	40	37	27	26	43	53	64	65	68	70	67	58	52	62	52	....	....	....	50.4
	Minimum	16	39	30	27	30	33	25	14	17	35	40	35	30	19	16	10	−14	18	32	39	40	40	45	40	19	32	37	30	....	....	....	27.6
Burlington	Maximum	42	54	53	43	41	44	37	33	38	50	62	48	44	36	35	32	24	29	48	60	52	73	75	57	49	49	50	45	....	....	....	46.5
	Minimum	16	34	31	28	31	31	28	23	20	33	35	34	28	18	23	12	−11	11	27	35	36	32	37	30	20	29	35	25	....	....	....	26.2
Martinsburg§	Maximum	45	57	45	43	39	48	36	37	37	47	53	40	44	36	33	21	23	37	50	59	52	70	75	42	47	50	52	41	....	....	....	45.0
	Minimum	14	19	38	32	32	34	32	24	24	26	32	35	31	18	19	15	4	5	16	35	36	37	37	31	25	27	32	36	....	....	....	26.6
Moorfield	Maximum	49	57	57	47	51	48	42	40	40	59	68	58	51	43	38	32	32	35	59	67	61	75	77	69	57	54	65	55	....	....	....	53.2
	Minimum	13	39	36	27	31	30	28	23	20	33	36	35	33	20	23	11	−10	12	29	41	40	38	52	31	21	32	40	33	....	....	....	28.4
Piedmont	Maximum	42	53	48	39	40	43	38	32	38	50	61	38	41	36	34	30	29	34	43	57	50	72	75	55	46	45	47	44	....	....	....	45.0
	Minimum	19	35	34	28	31	34	26	20	24	35	35	33	28	18	23	10	1	15	29	37	36	34	35	24	21	29	35	25	....	....	....	26.9
Romney	Maximum	54	55	56	44	49	45	44	36	39	51	66	66	43	36	28	48	40	32	51	56	55	54	72	55	48	48	50	51	....	....	....	49.0
	Minimum	25	34	40	28	30	31	27	19	19	30	34	33	32	15	10	23	−3	9	27	37	35	38	40	30	19	28	35	32	....	....	....	27.0
Upper Tract	Maximum	50	52	52	50	48	49	40	38	55	59	62	62	53	50	36	29	28	40	45	60	60	65	65	64	60	60	63	52	....	....	....	51.7
	Minimum	18	19	....	20	24	24	25	25	18	19	36	35	18	20	22	10	−1	16	26	34	35	38	40	25	20	22	30	30	....	....	....	23.9
Wardensville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Northern Division.																																	
Bens Run	Maximum	55	52	45	44	51	48	38	36	41	62	62	56	54	43	36	35	28	44	58	58	68	72	70	56	51	46	46	44	....	....	....	50.0
	Minimum	21	41	32	25	31	35	27	25	26	35	43	34	26	20	32	11	4	23	37	34	26	43	42	29	23	27	36	26	....	....	....	29.1
Buckhannon	Maximum	58	56	46	48	52	51	59	30	40	57	60	61	56	45	40	32	26	52	56	57	63	69	62	54	46	62	61	46	....	....	....	51.6
	Minimum	23	38	25	25	32	35	25	22	12	38	45	36	29	19	32	12	3	26	40	39	37	45	48	25	24	42	41	23	....	....	....	30.0
Cairo	Maximum	53	54	52	39	52	51	43	31	41	61	59	59	62	43	39	36	27	46	57	58	65	72	72	56	48	50	47	45	....	....	....	50.8
	Minimum	13	38	32	12	30	33	21	24	21	38	43	32	31	15	32	13	2	23	35	34	39	38	39	30	22	26	38	30	....	....	....	28.0
Creston	Maximum	56	56	54	41	54	52	45	37	41	63	60	66	65	45	41	36	31	46	59	57	69	70	73	63	52	51	51	45	....	....	....	52.9
	Minimum	20	40	33	20	31	35	27	24	20	35	45	33	33	17	33	14	5	24	32	40	41	43	42	30	23	30	33	32	....	....	....	29.8
Elkins	Maximum	55	53	39	37	49	51	34	27	40	59	58	61	38	49	35	25	27	44	57	56	59	70	73	42	47	56	51	39	....	....	....	47.5
	Minimum	19	35	30	26	30	33	21	13	11	40	40	38	25	17	25	6	1	18	36	41	39	43	42	23	21	32	39	19	....	....	....	27.2
Fairmont§	Maximum	56	54	43	43	52	44	31	32	39	57	61	59	40	39	33	18	37	43	55	60	65	71	72	32	47	47	47	37	....	....	....	46.9
	Minimum	20	24	31	24	24	35	27	21	22	28	39	32	31	18	18	10	0	1	36	41	35	36	50	28	23	24	24	33	....	....	....	26.2
Glenville	Maximum	58	57	52	47	55	51	43	37	41	65	64	60	67	50	45	36	30	43	61	63	71	76	75	62	52	54	53	45	....	....	....	54.1
	Minimum	19	40	33	19	30	34	26	23	18	34	46	32	33	16	32	14	5	22	36	44	38	49	46	29	21	29	40	30	....	....	....	29.9
Grafton§	Maximum	52	53	42	41	55	43	30	39	41	54	60	40	37	46	46	17	44	47	53	58	68	73	73	35	48	48	48	38	....	....	....	47.5
	Minimum	19	31	30	22	30	35	26	20	18	36	40	35	31	16	29	10	−2	17	38	42	36	39	41	27	22	27	35	29	....	....	....	27.9
Lost Creek	Maximum	56	55	50	38	53	51	42	33	40	62	61	64	62	43	40	33	26	45	60	57	67	72	72	57	49	49	49	42	....	....	....	51.0
	Minimum	16	38	32	20	29	33	25	22	21	36	47	30	29	14	30	11	−2	18	40	42	37	46	46	29	20	26	38	29	....	....	....	28.6
Mannington	Maximum	57	56	49	38	52	49	41	33	39	49	60	51	48	42	38	33	22	43	58	59	65	72	72	58	47	47	49	42	....	....	....	48.9
	Minimum	17	39	18	22	29	33	26	22	22	33	36	32	12	16	29	10	−10	19	35	35	33	40	52	27	27	24	39	29	....	....	....	26.6
Morgantown	Maximum	58	60	48	39	53	50	41	32	39	58	58	59	56	40	35	34	25	43	58	58	66	70	76	58	45	44	47	44	....	....	....	49.8
	Minimum	30	44	34	26	32	35	26	22	27	38	51	34	28	18	30	11	5	22	42	42	36	54	54	28	25	28	43	29	....	....	....	31.9
New Cumberland§	Maximum	51	49	39	38	45	41	30	35	36	50	54	43	29	35	35	17	41	46	56	51	58	71	69	27	41	42	39	30	....	....	....	42.9
	Minimum	20	21	31	27	27	28	27	22	22	30	31	30	28	14	15	10	3	4	31	27	27	27	41	22	20	20	21	26	....	....	....	23.3
New Martinsville	Maximum	56	54	47	40	51	48	40	37	40	62	63	54	51	38	37	35	28	45	58	63	68	72	74	59	48	48	46	43	....	....	....	50.2
	Minimum	22	40	32	24	30	32	28	24	27	34	41	34	25	18	30	10	−2	23	35	32	35	45	43	26	22	24	24	25	....	....	....	28.0
Parkersburg	Maximum	55	54	42	39	52	46	33	37	42	62	60	55	36	39	37	20	28	45	58	54	65	72	71	36	44	47	45	38	....	....	....	46.9
	Minimum	26	37	32	28	33	33	26	26	29	42	40	35	22	19	20	12	8	28	41	38	36	52	36	26	25	28	37	25	....	....	....	30.0
Parsons	Maximum	58	52	39	39	52	49	32	39	41	55	55	51	55	49	37	29	27	47	57	61	60	70	75	52	45	57	47	41	....	....	....	49.1
	Minimum	16	31	29	20	21	29	23	6	35	35	35	36	26	14	27	8	−7	14	35	42	34	34	38	26	18	34	40	23	....	....	....	25.8
Philippi	Maximum	59	58	48	36	52	52	37	28	39	59	59	65	64	44	39	30	24	41	58	57	65	71	71	55	46	53	52	49	....	....	....	50.5
	Minimum	36	32	30	23	30	32	21	18	20	35	40	33	27	15	29	8	0	20	38	45	49	48	46	26	20	28	48	25	....	....	....	29.4
Pickens	Maximum	52	50	36	35	48	47	31	28	36	53	59	63	47	40	37	28	28	41	52	53	61	70	69	49	51	49	45	38	....	....	....	46.4
	Minimum	25	31	26	15	19	27	17	13	12	32	40	35	20	15	25	3	−7	23	32	41	35	43	45	22	20	30	38	20	....	....	....	24.9
Terra Alta	Maximum	60	..	48	31	50	45	38	22	34	52	52	52	48	39	31	31	45	50	50	52	64	62	50	43	51	....	....	38	....	....	....	45.5
	Minimum	..	38	31	30	31	35	20	20	22	32	49	33	22	23	25	3	3	38	49	44	44	50	21	24	37	....	....	24	....	....	....	29.9
Wellsburg	Maximum	49	53	43	39	49	42	39	35	37	54	55	50	43	35	35	35	25	45	54	55	58	70	69	59	41	42	44	40	....	....	....	46.2
	Minimum	16	38	29	28	28	32	28	23	24	39	30	31	25	15	29	10	0	21	37	30	26	35	35	23	20	19	36	25	....	....	....	25.8
Weston	Maximum	58	58	53	40	53	52	42	32	40	61	62	63	65	46	43	34	26	45	59	61	67	73	73	59	47	50	50	45	....	....	....	52.0
	Minimum	21	39	33	24	32	35	27	23	22	37	49	34	32	20	32	13	2	22	41	46	39	52	48	30	25	31	38	31	....	....	....	31.4
Wheeling§	Maximum	52	54	44	42	46	50	35	39	40	55	63	41	31	38	36	21	38	48	56	58	67	74	71	30	45	45	45	39	....	....	....	46.5
	Minimum	21	25	30	25	27	25	25	22	24	28	35	30	27	18	12	10	0	4	36	30	30	30	40	25	22	22	25	25	....	....	....	24.0
Southern Division.																																	
Bluefield	Maximum	54	52	50	42	52	48	40	28	37	56	67	67	60	43	34	32	32	46	56	62	61	70	68	53	60	....	63	61	....	....	....	51.6
	Minimum	34	36	32	27	32	35	17	12	20	35	48	45	32	27	27	10	8	26	32	40	45	46	50	33	31	....	36	32	....	....	....	31.5
Charleston	Maximum	59	60	56	54	50	54	52	56	50	54	45	47	50	42	38	40	40	48	52	63	65	69	54	44	50	55	52	45	....	....	....	51.6
	Minimum	25	29	35	24	25	20	22	25	23	10	21	28	31	26	29	10	8	12	27	32	50	47	42	30	28	27	37	24	....	....	....	26.7
Gary§	Maximum	57	57	47	40	55	49	29	35	40	58	70	73	47	51	38	21	36	53	53	64	71	76	57	59	63	60	58	40	....	....	....	52.0
	Minimum	21	27	33	21	22	36	26	20	20	24	35	45	36	28	28	15	12	14	29	43	46	40	39	36	30	46	38	37	....	....	....	30.2
Green Sulphur Spgs.	Maximum	47	55	50	43	45	46	38	34	33	47	68	69	65	46	38	34	40	41	44	59	60	71	72	53	60	66	55	50	....	....	....	51.0
	Minimum	18	36	34	21	32	34	24	20	16	31	37	38	34	24	32	12	13	12	33	37	37	38	36	32	26	38	43	34	....	....	....	29.4
Hinton§	Maximum	44	60	50	45	45	49	34	41	35	46	68	72	51	47	38	21	36	48	43	61	57	75	71	59	65	55	65	39	....	....	....	50.5
	Minimum	15	24	32	24	24	31	27	21	21	22	34	38	36	25	26	14	7	7	25	33	39	40	38	34	28	28	40	37	....	....	....	27.6
Huntington§	Maximum	52	54	41	40	52	45	32	37	45	60	63	66	38	41	36	27	40	46	59	53	64	72	68	38	45	49	45	39	....	....	....	48.2
	Minimum	22	30	34	25	25	26	29	28	23	32	45	40	32	22	22	15	13	14	40	43	42	42	53	30	27	28	35	35	....	....	....	30.6
Lewisburg	Maximum	39	50	46	41	38	41	35	37	34	46	64	63	60	40	40	33	30	38	42	54	49	68	68	50	59	54	59	40	....	....	....	47.4
	Minimum	12	34	31	25	32	33	21	17	13	31	34	36	30	23	29	8	2	13	32	34	40	38	36	30	25	37	49	31	....	....	....	27.4
Marlinton	Maximum	32	46	38	36	38	40	30	28	34	42	54	48	50	38	36	26	26	32	44	52	42	60	62	48	52	50	52	40	....	....	....	42.0
	Minimum	10	30	26	14	26	26	16	12	10	30	34	30	21	14	26	4	−6	6	26	26	32	34	26	24	18	28	40	20	....	....	....	21.6
Point Pleasant	Maximum	51	56	47	40	51	52	45	40	43	64	62	60	55	44	41	37	30	44	60	60	67	75	71	60	48	49	48	45	....	....	....	51.7
	Minimum	23	38	30	22	31	34	31	24	25	38	18	34	28	16	31	11	8	26	36	37	39	49	50	26	22	30	37	32	....	....	....	30.7
Powellton	Maximum	51	63	55	54	....	56	50	50	51	61	69	....	67	..	65	57	58	50	....	61	70	75	75	70	58	....	53	46	....	....	....	59.3
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Robertsburg§	Maximum	53	51	44	40	54	48	32	38	42	62	61	62	32	43	36	20	35	45	60	57	69	74	70	38	47	51	45	38	....	....	....	48.1
	Minimum	20	25	34	19	20	35	27	25	25	32	38	36	31	21	21	14	9	10	34	40	40	41	46	29	25	26	32	34	....	....	....	28.2
Ryan	Maximum	57	57	46	44	56	50	39	36	38	62	62	64	62	47	42	30	28	38	60	64	69	73	72	49	50	58	59	42	....	....	....	51.6
	Minimum	17	38	29	13	29	32	26	20	25	38	45	33	30	14	30	11	4	14	34	42	36	42	41	28	20	30	40	32	....	....	....	28.3
Spencer§	Maximum	35	59	53	58	55	56	36	36	45	63	63	40	44	44	45	19	43	55	60	61	72	72	73	55	51	50	59	38	....	....	....	51.1
	Minimum	19	21	33	18	35	35	36	22	21	30	42	35	30	32	34	13	7	19	40	43	41	46	45	29	22	31	31	29	....	....	....	30.1
Union	Maximum	45	51	52	45	....	46	44	33	36	49	64	....	68	16	37	35	28	43	....	59	62	70	70	55	60	....	64	58	....	....	....	51.0
	Minimum	16	36	32	26	....	31	23	18	14	31	40	....	33	26	29	10	6	19	....	33	41	36	39	33	27	....	38	33	....	....	....	27.9
White Sulphur Spgs§	Maximum	51	49	44	40	43	31	32	45	54	68	68	44	43	34	20	36	43	48	56	60	70	72	48	60	62	58	49	4[illegible]	....	....	....	49.1
	Minimum	25	29	25	29	34	28	18	12	19	34	35	32	24	25	13	5	9	19	29	40	41	32	33	25	30	39	37	24	....	....	....	26.5
Williamson§	Maximum	56	50	45	48	56	45	30	35	38	55	67	70	45	47	36	21	31	50	56	53	67	70	68	41	50	51	51	38	....	....	....	49.2
	Minimum	26	29	36	25	25	40	29	22	23	30	38	47	35	27	27	18	14	15	34	42	45	45	45	35	30	31	40	38	....	....	....	31.8

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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UNIVERSITY OF ILLINOIS L
MAY 1 2 1922

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXX. Parkersburg, W. Va., March, 1922. No. 3.

GENERAL SUMMARY.

The month was much wetter and considerably warmer than usual. The average precipitation was the greatest of March State record, except in 1899, 1908, and 1917. However, the snowfall was considerably below the average and unimportant in the agricultural districts. The precipitation was exceptionally well distributed over the State and throughout the month and the rivers were only at moderate stages. While also unusually warm, fruit buds were not fully developed at the close of the month, making a good outlook for fruit. Wheat made good growth, but spring plowing was delayed by wet weather.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.10 and 30.11 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.60 inches on the 1st, and 29.43 inches on the 20th. Elkins, 30.61 inches on the 1st, and 29.43 inches on the 20th.

TEMPERATURE.

The monthly mean for the State, determined from 48 stations, was 45.0°. The departure from the normal for 44 stations having ten or more years of record was +2.4°. The month opened cool and the temperature was generally slightly below the normal from the 16th to the 18th and considerably below the normal from the 21st to the 24th, with the lowest readings occurring on the 23d. The warmest weather prevailed from the 10th to the 15th and the 24th to the 31st, with the highest temperatures occurring generally on the 25th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 77 per cent; 8 p. m., 63 per cent. The March averages for the same hours for the past 33 years are 79 and 69 per cent, respectively. Elkins, 8 a. m., 81 per cent; 8 p. m., 65 per cent. The March averages for Elkins for the same hours for the past 22 years are 82 and 69 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 72 stations, was 5.33 inches. The departure from the normal for 48 stations having ten or more years of record was +1.50 inches. The precipitation was heaviest over the central and western counties and lightest over the eastern and southern counties. There were general rains or snows on the 1st-2d, 4-5th, 7-8th, 10-11th, 14-15th, 19th-22d, 27-28th, and 30th-31st, the greatest amounts of precipitation being recorded on the 10-11th and 14-15th. Most of the snowfall was received on the 1st, 4-5th, and 20th-21st, but in a few of the more elevated localities light snow also fell on the 7-8th and 15-16th.

WIND.

The average wind velocity at Parkersburg was 6.5 miles per hour, or 0.8 mile below the March average for 33 years. The average at Elkins was 6.7 miles per hour, or 0.9 mile above the March average for 23 years. The highest velocity at Parkersburg was 30 miles per hour from the northwest on the 31st, and at Elkins 34 miles per hour from the west on the 31st.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 49 per cent of the possible amount, or 8 per cent above the March average for 24 years. The average at Elkins was 39 per cent, or 1 per cent below the March average for 23 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bruceton Mills, 2d and 14th; Charleston, 28th; Elkins, 6th; Grafton, 16th; Hinton, 6th; Hoult, 6th and 25th; Rowlesburg, 6th; Wheeling, 3d, 6th, 9th, 13th, and 25th.

Hail: Bayard, Beckley, Romney, and Stony River Dam, 1st; Elkins, 4th; Bens Run, 28th; Creston, New Cumberland, New Martinsville, Parkersburg, and Wheeling, 31st.

Halos, lunar: Cairo, 9th; Ryan, 11th.

Halos, solar: Cairo, 30th.

Sleet: Bayard, 1st and 4th; Beckley, 1st; Ben Run, 1st; Cairo, 2d, 4th, and 7th; Charleston, 2d; Cheat Bridge, 1st and 4th; Davis, 2d, 3d, and 4th; Elkins, 1st and 4th; Huntington, 1st; Marlinton, 1st, 3d, and 11th; Miller, 1st; Moorefield, 2d; Moundsville, 4th; New Martinsville, 2d; Parkersburg, 7th; Piedmont, 1st; Romney, 1st and 4th; Rowlesburg, 4th; Ryan, 1st; Smithfield, 2d and 20th; Stony River Dam, 1st and 4th; Union, 1st and 4th; Wheeling, 1st.

Thunderstorms (dates and number of stations reporting): 10th, 3; 11th, 3; 13th, 1; 14th, 2; 28th, 6; 29th, 4; 30th, 1; 31st, 11.

COMPARATIVE DATA FOR MARCH.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	34.9	......	......	4.91	......	......	......	......	......	......
1892	36.4	87	8	3.50	......	......	......	......	......	......
1893	40.7	84	3	1.49	2.89	0.89	5.2	8	8	15
1894	45.8	88	1	1.94	3.05	0.74	1.9	15	9	7
1895	39.6	90	0	3.05	4.75	0.89	7.9	11	9	11
1896	36.1	76	−10	4.45	8.40	1.76	......	10	8	13
1897	46.1	81	12	3.60	6.52	1.33	......	9	10	12
1898	48.5	86	9	5.13	10.05	1.25	T.	8	9	14
1899	42.5	76	0	5.82	8.48	2.40	4.5	7	9	15
1900	38.5	78	− 5	3.79	6.48	2.18	14.7	7	9	15
1901	42.9	83	−11	3.23	5.27	0.90	2.3	8	8	15
1902	43.4	80	− 5	4.30	6.29	3.00	15.0	10	9	12
1903	51.3	87	13	4.47	6.59	2.70	0.2	10	9	12
1904	43.8	86	7	4.12	6.10	1.38	1.9	9	8	14
1905	46.6	88	− 2	4.10	6.46	1.45	0.7	14	7	10
1906	37.3	75	− 7	4.77	8.11	1.98	13.4	7	6	18
1907	49.6	94	2	4.77	8.18	1.05	4.2	12	8	11
1908	47.8	89	15	6.04	8.60	1.23	1.1	11	8	12
1909	40.8	83	19	3.38	8.66	1.10	4.7	9	10	12
1910	49.5	90	5	0.55	2.25	0.04	1.1	18	9	4
1911	40.5	90	− 5	3.30	7.86	1.12	5.2	11	8	12
1912	39.9	80	6	5.02	9.36	1.78	5.1	8	7	16
1913	45.7	89	− 3	4.53	7.90	1.77	2.7	11	9	11
1914	37.3	83	−13	3.03	7.11	0.89	17.7	10	8	13
1915	34.4	63	7	1.61	4.32	0.53	6.7	12	7	12
1916	38.5	88	− 4	4.88	9.88	2.49	9.0	11	7	13
1917	41.9	85	− 3	6.58	14.20	3.10	11.6	14	4	13
1918	46.5	85	9	4.26	9.37	1.55	0.1	16	5	10
1919	44.5	81	12	2.92	4.81	1.60	0.8	16	6	9
1920	42.8	83	− 5	3.38	8.87	1.40	3.1	17	5	9
1921	52.7	90	10	2.84	5.75	0.63	T.	14	8	9
1922	45.0	85	0	5.33	8.19	1.40	3.3	10	5	16
Means and extremes	42.9	94	−13	3.91	14.20	0.04	5.1	11	8	12

Climatological Data for March, 1922.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	21	41.2	+ 3.5	74	25†	8	23	50	5.76	+1.38	1.26	7.5	17	11	9	11	w.	U. G. Clark.
Brandywine	Pendleton	.....	6	44.7	.....	77	25	14	23	47	3.20	.....	1.00	0	9	14	1	16	s.	Elmer Keister.
Burlington	Mineral	875	28	42.6	+ 1.4	77	26	19	1	41	3.47	+0.41	1.55	5.0	8	9	9	13	nw.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	33	.....	.....	.....	.....	.....	.....	.....	3.49	+0.45	0.94	1.0	12	.....	.....	.....	.....	J. C. Newcomer.
Martinsburg	Berkeley	435	30	43.2	+ 1.9	80	26†	21	1†	40	4.24	+1.02	0.95	2.0	12	16	2	13	nw.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	26	47.8	+ 3.9	82	25†	20	23	50	3.29	+0.62	1.02	T.	13	21	1	9	.....	M. S. Henkel.
Piedmont	Mineral	919	9	42.6	.....	77	26†	19	1	41	3.60	.....	1.21	T.	13	10	8	13	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	24	44.6	+ 2.0	77	28†	20	9	47	3.95	+0.85	1.50	0	7	8	6	17	.....	Geo. E. Arnold.
Stony River Dam	Grant	.....	2	.....	.....	.....	.....	.....	.....	.....	3.88	.....	1.20	8.5	12	6	6	19	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	23	43.1	+ 0.2	78	26	18	23†	47	1.40	−1.14	0.80	0	6	6	1	24	e.	J. M. Mallow.
Wardensville	Hardy	1,200	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Luther F. Sutton.
Averages and	extremes	.....	....	43.7	+ 2.2	82	25†	8	23	50	3.63	+0.51	1.55	2.4	11	11	5	15	nw.	
Northern Division.																				
Bens Run	Pleasants	622	20	46.6	+ 3.4	78	25	23	1†	44	7.11	+2.97	1.30	12.0	16	17	2	12	.....	J. D. Riggs.
Bruceton Mills	Preston	1,549	2	.....	.....	.....	.....	.....	.....	.....	6.00	.....	1.06	12.8	17	4	10	17	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	25	45.2	+ 3.6	75	25†	20	1	43	5.26	+1.85	1.00	3.5	15	17	0	14	.....	H. A. Darnall.
Cairo	Ritchie	680	23	46.8	+ 1.5	78	25	18	23	49	6.81	+2.29	1.27	2.5	17	8	8	15	.....	O. C. Hess.
Cheat Bridge	Randolph	3,558	4	36.4ª	.....	68ª	25	0	23	51ª	5.10	.....	1.15	8.5	17	16	0	15	.....	H. F. Cromer.
Cortland	Tucker	3,300	11	.....	.....	.....	.....	.....	.....	.....	4.62	.....	1.40	4.0	6	5	18	8	.....	G. W. Harmon.
Creston	Wirt	701	20	48.2	+ 4.0	78	25	25	1†	49	5.82	+1.80	1.38	0.9	18	8	1	22	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	1	.....	.....	.....	.....	.....	.....	.....	5.45	.....	1.70	4.5	15	.....	.....	.....	s.	Lockmaster.
Dam 12 O. R.	Ohio	614	6	.....	.....	.....	.....	.....	.....	.....	5.29	.....	1.10	.....	16	.....	.....	.....	.....	Lockmaster.
Dam 13 O. R.	Ohio	605	6	.....	.....	.....	.....	.....	.....	.....	5.31	.....	1.07	.....	18	.....	.....	.....	.....	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	1	.....	.....	.....	.....	.....	.....	.....	4.93	.....	1.83	3.0	18	.....	.....	.....	w.	Lockmaster.
Davis	Tucker	3,093	13	.....	.....	.....	.....	.....	.....	.....	5.97	.....	1.56	6.7	19	8	6	17	w.	Ross C. Male.
Elizabeth	Wirt	646	10	.....	.....	.....	.....	.....	.....	.....	6.47	.....	1.84	.....	16	.....	.....	.....	.....	E. D. Ball.
Elkins	Randolph	1,947	21	43.6	+ 4.4	75	25	12	23	49	5.32	+1.25	1.23	6.0	19	6	6	19	w.	U. S. Weather Bureau.
Fairmont	Marion	883	16	43.1	+ 1.4	76	25	19	23	46	5.86	+1.95	1.80	6.0	19	18	3	10	w.	Creed E. Bolyard.
Glenville	Gilmer	738	28	48.8	+ 4.5	83	25	17	23	54	5.62	+1.38	1.50	2.0	17	12	11	8	w.	Howard R. Brannon.
Grafton	Taylor	1,000	29	45.2	+ 2.5	80	25	15	23	50	6.03	+2.08	.....	.....	13	5	18	8	e.	W. C. Byers.
Lost Creek	Harrison	1,026	24	46.4	+ 3.7	77	25	15	23	51	5.54	+1.45	0.85	3.2	17	12	5	14	w.	Allen Smith.
Mannington	Marion	974	19	44.4	+ 1.5	78	25	16	23	47	6.60	+2.85	1.15	5.9	15	11	6	14	sw.	Jas. A. Morgan.
Morgantown ††	Monongalia	1,250	29	48.0	+ 6.0	77	25	22	1	34	2.51	−1.20	1.00	0.5	7	3	10	18	w.	Prof. E. L. Andrews.
Moundsville ª	Marshall	642	19	41.8	− 1.3	79	25	14	23	49	5.30	+1.98	.....	5.2	20	10	9	11	sw.	G. W. Wright.
New Cumberland	Hancock	987	24	39.5	− 0.5	76	25	17	3†	44	3.39	+0.03	0.63	7.5	17	10	2	19	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	28	45.6	+ 2.0	80	25	20	1†	49	7.12	+3.47	1.05	.....	14	12	7	12	s.	Wm. Ankrom.
Parkersburg	Wood	638	35	46.7	+ 4.4	78	25	22	1	39	6.06	+2.24	2.20	1.0	16	9	6	16	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	22	43.3	+ 3.4	81	31	6	23	46	5.67	+1.61	2.00	2.0	9	11	3	17	.....	J. W. Swisher.
Philippi	Barbour	1,149	25	45.9	+ 3.4	77	25	15	23	40	5.61	+1.40	1.30	1.0	17	10	5	16	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	19	42.6	+ 2.9	75	25	5	23	48	8.19	+2.41	1.16	25.0	17	10	4	17	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	35	.....	.....	.....	.....	.....	.....	.....	6.56	+2.26	2.12	0.8	16	.....	.....	.....	e.	J. F. Pierce.
Saint Marys	Pleasants	577	13	.....	.....	.....	.....	.....	.....	.....	5.44	+1.82	1.90	2.0	17	.....	.....	.....	sw.	Wm. Hughes.
Smithfield	Wetzel	835	16	44.1	+ 2.5	79	25	11	23	53	6.36	+2.39	1.92	6.5	18	12	6	13	sw.	G. M. Whisler.
Terra Alta	Preston	2,612	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	N. F. Kidd.
Wellsburg	Brooke	1,225	21	42.6	+ 3.4	77	25	16	3	45	4.22	+1.00	0.70	3.5	14	10	5	16	w.	George P. Pfister.
Weston	Lewis	1,026	26	48.0	+ 4.2	78	25	18	23	44	4.97	+0.50	0.89	2.0	15	4	6	21	.....	Weston State Hospital.
Wheeling	Ohio	645	35	42.8	+ 1.6	80	25	20	1†	47	5.05	+1.99	0.95	4.7	17	12	1	18	sw.	Miss M. B. Forsyth.
Averages and	extremes	.....	....	44.4	+ 2.7	83	25	0	23	54	5.72	+1.87	2.20	5.3	16	10	6	15	w.	
Southern Division.																				
Bancroft	Putnam	574	18	46.6	+ 2.3	81	30	23	23	50	5.85	+1.91	1.45	2.4	21	9	0	22	se.	E. H. Morrow.
Beckley	Raleigh	2,440	22	43.0	− 0.4	79	30	22	22	33	3.24	−0.62	1.01	3.0	12	9	0	22	sw.	E. E. Phipps.
Bluefield	Mercer	2,558	27	48.3	+ 4.0	78	30	21	22	40	4.52	+0.86	1.42	4.5	14	13	3	15	.....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	7	.....	.....	.....	.....	.....	.....	.....	2.93	.....	1.20	T.	4	7	0	24	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	19	48.2	− 0.5	75	26	19	1	43	4.93	+0.53	0.75	T.	19	12	0	19	w.	C. V. Lewis.
Clay	Clay	706	6	.....	.....	.....	.....	.....	.....	.....	5.29	.....	1.05	2.0	17	.....	.....	.....	.....	Mark King.
Cuba	Jackson	650	20	48.0	+ 3.7	85	25	20	23	46	6.90	+3.22	1.35	T.	13	5	18	8	w.	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	6	.....	.....	.....	.....	.....	.....	.....	6.50	.....	2.62	1.0	17	.....	.....	.....	.....	Lockmaster.
Dam 20 O. R.	Wood	551	6	.....	.....	.....	.....	.....	.....	.....	6.10	.....	2.00	1.0	18	.....	.....	.....	.....	Lockmaster.
Dam 22 O. R.	Jackson	538	7	.....	.....	.....	.....	.....	.....	.....	5.45	.....	1.87	.....	13	.....	.....	.....	.....	Lockmaster.
Dam 26 O. R.	Mason	505	6	.....	.....	.....	.....	.....	.....	.....	7.23	.....	2.00	.....	15	.....	.....	.....	.....	U. S. Engineer Office.
Evans	Jackson	606	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	B. F. Sayre.
Gary	McDowell	1,426	6	47.9ᵇ	.....	78ᵇ	25†	24ᵇ	23	48ᵈ	5.65	.....	1.30	T.	16	.....	.....	.....	.....	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	26	47.2	+ 3.9	75	14†	18	23	47	5.62	+1.55	1.11	6.1	13	11	0	20	w.	W. H. Gwinn.
Hinton	Summers	1,450	25	46.2ª	+ 2.0	89ª	25	22	23	55ª	5.80	+1.75	1.36	0.5	18	9	0	22	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	28	46.8	+ 2.2	80	30	26	23	41	6.98	+2.64	1.92	0.2	18	9	0	22	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	3	.....	.....	.....	.....	.....	.....	.....	4.04	.....	1.50	.....	9	.....	.....	.....	.....	J. O. Brown.
Kayford	Kanawha	1,335	6	.....	.....	.....	.....	.....	.....	.....	5.48	.....	0.75	1.0	16	.....	.....	.....	.....	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	22	44.6	+ 2.6	73	25	19	23	46	5.51	+1.55	1.41	3.0	8	11	5	15	s.	Geo. T. Argabate.
Logan	Logan	687	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. & O. R. R..
Marlinton	Pocahontas	2,131	23	38.2	− 0.4	68	25	12	23	44	6.13	+1.77	1.46	1.5	12	4	15	12	sw.	S. L. Brown.
Miller	Fayette	.....	2	.....	.....	.....	.....	.....	.....	.....	4.67	.....	0.78	.....	16	.....	.....	.....	.....	J. R. Bays.
Point Pleasant	Mason	553	29	48.6	+ 3.2	83	30	23	23	47	6.97	+2.34	1.40	T.	15	12	1	18	.....	W. D. Holmes.
Powellton	Fayette	933	26	.....	.....	.....	.....	.....	.....	.....	4.85	+0.22	0.95	T.	10	8ᶠ	5ᶠ	12ᶠ	.....	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	6	.....	.....	.....	.....	.....	.....	.....	5.52	.....	1.12	4.4	18	.....	.....	.....	.....	Raleigh Coal & Coke Co.
Robertsburg	Putnam	574	22	46.7	+ 2.1	82	30	22	23	47	6.68	+2.60	1.57	0	18	8	2	21	.....	E. C. Brace, Jr.
Ryan	Roane	700	19	45.8	+ 2.9	80	25	16	23	53	5.62	+1.30	1.09	7.3	18	6	6	19	.....	Wm. E. Ryan.
Sharples	Logan	.....	2	.....	.....	.....	.....	.....	.....	.....	5.88	.....	1.05	T.	14	.....	.....	.....	.....	C. E. Rippetoe.
Spencer	Roane	784	18	47.4	+ 4.5	79	25	19	23	42	5.37	+1.43	1.31	1.0	14	7	8	16	.....	A. M. McKown.
Sutton	Braxton	839	16	45.4	− 0.2	80	25†	15	23	39	4.90	+0.77	0.75	2.0	13	15	0	16	.....	C. B. Eakle.
Union ᵈ	Monroe	2,250	18	47.7	+ 4.7	76	25	21	1	49	4.07	+0.33	1.51	1.5	9	.....	.....	.....	.....	W. M. H. Young.
White Sulphur Springs	Greenbrier ††	1,940	12	45.6	.....	77	24	16	22	52	3.65	.....	0.90	0	15	18	5	8	.....	J. M. Ayres.
Williamson	Mingo	660	22	47.8	+ 1.0	78	30	28	23	43	5.66	+1.06	1.17	0	18	12	4	15	w.	J. F. Keyser.
Averages and	extremes	.....	....	46.4	+ 2.2	85	25	12	23	55	5.48	+1.40	2.62	1.6	15	9	4	18	w.	
State averages and	extremes	.....	....	45.0	+ 2.4	85	25	0	23	55	5.33	+1.50	2.62	3.3	15	10	5	16	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ª, ᵇ, ᶜ appearing in the table indicate number of days missing; for example, ᵇ represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for March, 1922.

Stations.	Drainage-basin.	Day of month.																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac	.18	1.25	T.	.38	.13	T.	.22	.06	....	.24	.22	....	....	.39	1.26	....	....	....	....	.13	.36	.12	....	....	....	....	.37	.12	.06	T.	.27	5.76
Brandywine	do	T.	.45	....	.30	....	....	.05	....	....	.55	.15	....	....	T.	1.00	....	....	....	....	.15	....	....	....	....	....	....	*	.55	....	....	....	4.20
Burlington	do	.20	....	....	.27	....	....	.45	....	....	.10	....	....	....	.20	1.55	....	....	....	....	....	....	T.	....	....	....	....	.45	....	....	....	.25	3.47
Harpers Ferry ‖	do	....	.70	....	.06	.54	....	....	.34	....	.14	.24	.04	....	....	.85	.09	....	....	....	.11	....	....	....	....	....	....	....	.31	.04	....	....	3.49
Martinsburg	do	.95	....	....	.65	....	....	.29	....	....	....	.51	....	....	*	.94	....	....	....	*	.11	T.	....	....	....	....	....	*	.43	.12	T.	.21	4.21
Moorefield	do	.20	.42	....	.25	.15	....	.15	....	....	.30	.10	....	....	.12	1.02	....	....	....	....	.05	....	T.	....	....	....	....	.40	.08	....	....	.05	3.29
Piedmont	do	.53	.32	....	.50	....	....	.06	....	....	.18	.05	....	....	.07	1.21	....	....	....	....	.01	....	T.	....	....	....	....	.37	.10	.01	....	.19	3.60
Romney	do	.40	.85	.20	....	....	....	.25	....	....	....	.50	....	....	....	1.50	....	....	....	....	....	....	....	....	....	....	....	.25	....	....	T.	....	3.95
Stony River Dam ‖	do	....	.70	.09	.04	....	....	....	....	....	....	.10	.09	....	....	1.20	.22	....	....	....	....	.18	.09	....	....	....	....	....	.47	.10	....	.60	3.88
Upper Tract	do	....	.20	....	.10	....	....	.10	....	....	....	.10	....	....	T.	.80	....	....	....	....	T.	T.	T.	....	....	....	....	.10	T.	....	....	....	1.40
Wardensville ‖	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Northern Division.																																	
Bens Run	Ohio	.50	.16	....	.48	....	....	.55	....	....	.08	.46	....	....	1.30	.86	....	....	....	.02	.18	.32	....	....	....	....	....	.70	.30	.25	.25	.70	7.11
Bruceton Mills ‖	Monongahela	.21	.97	....	.61	.41	....	.40	.16	.06	.04	.20	....	....	.31	1.06	....	....	....	T.	T.	.35	.14	....	.07	....	T.	.40	....	T.	.35	.37	6.00
Buckhannon	do	.55	.48	....	.25	....	....	.73	.01	....	....	.45	....	....	.35	1.00	....	....	....	....	.01	.15	.12	....	....	....	....	.25	.10	.01	....	.80	5.26
Cairo	Little Kanawha	.38	.27	....	.50	.05	....	.45	....	....	.14	.67	....	....	1.27	.97	....	....	....	.01	.18	.16	.01	....	....	....	....	.63	.26	.08	....	.78	6.81
Cheat Bridge ‖	Monongahela	.04	1.15	....	.29	.15	....	.41	....	....	.38	.10	.08	....	....	.92	.09	....	....	....	.21	.38	.18	....	....	....	....	.19	.21	.07	....	.25	5.10
Cortland ‖	do	1.25	....	....	....	....	....	....	....	....	....	....	....	....	1.40	....	....	....	....	....	....	.22	.35	....	....	....	....	.60	....	....	....	.80	4.62
Creston ‖	Little Kanawha	T.	.91	T.	.15	.40	....	.32	.08	....	.21	.40	.03	....	.20	1.38	T.	....	....	....	.20	.02	.07	T.	....	....	....	.28	.36	.11	.10	.60	5.82
Dam 10, Mon. R. ‖	Monongahela	.84	.08	....	.83	....	....	.57	.03	....	.04	.12	....	....	1.70	.05	....	....	....	....	.13	T.	T.	T.	....	....	.21	.33	.16	....	.06	.30	5.45
Dam 12, O. R. ‖	Ohio	....	.37	....	.01	1.05	....	.21	.18	....	....	.30	....	....	.20	1.10	....	....	....	....	.11	.02	....	....	....	.03	....	.48	.46	.25	.27	.25	5.29
Dam 13, O. R. ‖	do	....	.39	....	.03	.79	....	.21	.14	....	....	.28	....	....	.18	1.07	....	....	....	....	.15	.05	.02	....	.03	.02	....	.38	.53	.41	.35	.28	5.31
Dam 15, Mon. R. ‖	Monongahela	....	.81	....	.11	.44	....	.10	.30	....	.05	.11	....	....	.04	1.83	....	....	....	....	.11	.09	.03	....	.03	....	....	.21	.26	.13	.11	.17	4.93
Davis ‖	do	.02	1.38	.03	.14	.07	....	....	.34	....	.22	.30	.04	....	T.	1.56	.09	....	....	....	.11	.10	.17	T.	....	....	....	.41	.58	.17	.01	.23	5.97
Elizabeth ‖	Little Kanawha	....	.70	....	.23	.17	....	.38	.08	....	.17	.50	....	....	.38	1.84	....	....	....	....	.16	.08	.04	....	....	....	....	.25	.87	....	.02	.60	6.47
Elkins ***	Monongahela	.88	.15	....	.41	.13	....	.40	.05	....	.20	.06	....	....	.30	1.09	....	....	....	.02	.17	.23	.05	....	....	....	....	.27	.07	.01	.30	.53	5.32
Fairmont ‖	do	....	.82	.03	.20	.35	....	.22	.33	T.	.09	.10	....	....	.10	1.80	T.	....	....	....	.13	.30	.24	T.	.10	....	....	.24	.30	.15	.13	.23	5.86
Glenville ‖	Little Kanawha	....	1.12	T.	.15	.30	....	.15	.18	....	.21	.34	....	....	.28	1.45	.05	....	....	....	.15	.12	.10	....	....	....	....	.30	.48	T.	.12	.12	5.62
Grafton ‖	Monongahela	....	....	.99	*	.59	....	....	.39	....	.25	.11	....	....	*	2.15	....	....	....	....	T.	T.	.28	....	....	....	....	....	.48	.09	.18	.52	6.03
Lost Creek	do	.40	.67	....	.38	.08	....	.50	.04	....	.25	.21	....	....	.85	.77	....	....	....	....	.06	.09	T.	....	....	....	....	.35	.12	.05	.06	.66	5.54
Mannington	do	.25	.65	....	1.09	.15	....	.40	....	....	.10	....	....	....	.80	1.15	....	....	....	....	.15	.25	....	....	....	....	....	.50	.20	.51	.20	.20	6.60
Morgantown	do	T.	.30	....	.04	....	....	1.00	T	....	....	....	....	....	.60	.07	....	....	....	....	T.	T.	T.	....	....	....	....	.33	....	T	....	.17	2.51
Moundsville ‖	Ohio	.12	.29	....	.34	.25	....	.31	.06	....	.01	.37	....	....	.34	*	.83	.06	....	....	.12	.10	T.	.10	T.	T.	....	.46	.43	.29	.61	.21	5.30
New Cumberland ‖	do	....	.05	....	....	.63	....	.29	.17	....	....	.30	....	....	.06	.32	....	....	....	.01	.07	.08	....	....	....	.09	.01	.28	.40	.09	.36	.18	3.39
New Martinsville	do	.32	.35	....	.53	....	....	.60	....	....	....	.60	....	....	1.05	.95	....	....	....	....	.30	.06	....	T.	....	....	....	.85	.30	.30	.30	.61	7.12
Parkersburg ***	Ohio	.39	.04	....	.31	....	....	.54	....	....	.12	.25	....	....	2.05	.30	....	....	....	.24	.05	.06	T.	....	....	....	.03	.81	.08	T.	.15	.64	6.06
Parsons	Monongahela	*	1.40	....	.43	....	....	*	....	....	.90	T.	....	....	....	....	....	....	....	2.00	T.	.18	....	....	....	....	....	*	....	....	....	.76	5.67
Philippi	do	.38	.63	.52	.09	....	.48	.01	T.	T.	.33	....	....	....	.75	1.30	....	....	....	....	.09	.04	.04	....	....	....	....	.25	.14	.06	.04	.46	5.61
Pickens	do	.92	.30	....	.22	.24	....	1.16	.16	....	.77	.59	....	....	.37	.81	....	....	....	....	.30	.80	.24	....	....	....	....	.80	.19	.06	....	.26	8.19
Rowlesburg ‖	do	....	1.23	.08	.15	.38	....	T.	.58	....	.20	.28	....	....	T.	2.12	.02	....	....	....	....	.28	.24	T.	....	....	....	.20	.20	.09	.18	.33	6.56
Saint Marys ‖	Ohio	....	.03	....	.28	.25	.04	.28	.10	....	.03	.43	....	....	.38	1.90	....	....	....	....	....	.07	.09	....	....	....	....	.30	.66	.12	.27	.21	5.44
Smithfield ‖	Fishing Creek	....	.84	.07	.30	.29	....	.19	.20	....	.05	.41	....	....	.26	1.92	....	....	....	....	.06	.23	.06	....	....	....	....	.37	.43	.19	.09	.40	6.36
Terra Alta	Monongahela	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Wellsburg	Ohio	.14	.05	....	.55	....	....	.35	....	....	....	.30	....	....	.48	.32	....	....	....	.05	T.	.15	T.	....	.23	....	....	.70	....	.18	.50	.22	4.22
Weston	Monongahela	.28	.89	....	.26	.19	....	.43	....	....	.17	.26	....	....	.50	.29	....	....	....	.49	....	.18	....	....	....	....	....	.40	.08	....	.05	.50	4.97
Wheeling ‖	Ohio	....	.37	....	.04	.83	....	.21	.20	....	....	.27	....	....	.26	.95	....	....	....	....	.14	.06	.02	T.	....	.02	....	.42	.40	.21	.35	.30	5.05
Southern Division.																																	
Bancroft ‖	Great Kanawha	.22	.84	....	.13	.24	....	.53	.11	....	.35	.25	.13	....	.05	1.45	.07	....	....	.03	.27	.05	.01	....	....	....	....	.19	.16	.03	.01	.73	5.85
Beckley	do	.15	....	....	....	....	....	.08	....	1.01	....	.29	....	....	....	.49	....	....	....	.29	.17	.13	.08	....	....	....	.15	.21	....	....	....	.19	3.24
Bluefield	do	.55	....	....	....	....	....	.32	....	....	1.10	.11	*	.05	....	1.42	....	....	....	.05	.28	.05	....	....	....	....	*	.27	.30	....	....	.02	4.52
Camden-on-Gauley ‖	do	1.20	....	....	....	....	....	.83	....	....	....	....	....	....	.10	.80	....	....	....	T.	T.	T.	....	....	....	....	....	....	....	....	....	....	2.93
Charleston ‖	do	.10	.65	.20	.10	.40	....	.30	.18	....	.10	.35	....	....	.10	.52	....	....	....	....	.22	.08	.08	....	....	....	....	.10	.38	.12	.20	.75	4.93
Clay ‖	do	....	.98	....	.13	....	....	.30	.20	....	.45	.30	.13	....	.10	.90	.08	....	....	....	T.	.15	.05	.03	....	....	....	.22	.12	.10	....	1.05	5.29
Cuba	Sand Creek	.95	.75	....	T.	....	....	.50	....	....	.20	.30	....	....	.90	1.35	....	....	....	.05	.20	T.	T.	....	....	....	....	.80	.25	T.	.10	.55	6.90
Dam 19 O. R. ‖	Ohio	T.	.50	....	.12	.21	....	.33	.32	....	.10	.34	T.	....	.30	2.62	....	....	....	T.	.34	.03	.02	T.	....	....	....	.19	.66	.06	.01	.35	6.50
Dam 20 O. R. ‖	do	T.	.53	T.	.10	.23	....	.47	.18	....	.15	.37	.02	....	.33	2.00	.01	....	....	....	.30	.02	.02	....	....	....	....	.22	.77	.03	....	.35	6.10
Dam 22 O. R. ‖	do	....	.70	....	....	.20	....	.35	.15	....	.15	.28	....	....	.28	1.87	.03	....	....	....	.34	.04	T.	....	....	....	....	.21	.85	....	....	....	5.45
Dam 26 O. R. ‖	do	....	.95	....	.15	.35	....	.50	.20	....	.30	.30	.20	....	....	2.00	....	....	....	.05	.58	.07	....	....	....	....	....	....	.30	.83	....	.45	7.23
Evans	Ohio	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Gary ‖	Big Sandy	.47	.72	....	.04	.05	....	.12	.32	....	1.30	.10	....	.10	....	1.08	.25	....	....	....	.33	T.	.04	....	....	....	....	.10	.20	.43	....	....	5.65
reen Sulpr. Spgs.	do	.55	.68	....	.10	.13	....	.64	....	....	1.11	.28	....	....	.87	....	....	....	....	....	.21	.22	.09	....	....	....	....	.52	....	....	....	.22	5.62
Hinton ‖	do	.14	1.28	.06	.04	.12	....	.12	.26	....	1.36	.02	....	....	....	.78	.14	....	....	.04	.24	.05	.04	....	....	....	....	.16	.48	.44	....	....	5.80
Huntington ‖	Ohio	.26	.74	....	.12	.18	....	.62	T.	....	.40	.36	.08	....	.08	1.84	T.	....	....	.04	.64	.08	.02	....	....	....	....	.28	.64	.08	....	.52	6.98
anawha Falls ‖	Great Kanawha	....	.80	....	.14	.23	....	.20	T.	....	....	.22	....	....	....	.70	....	....	....	....	....	.15	T.	....	....	....	....	.10	T.	....	....	1.50	4.04
ayford ‖	do	.20	.75	T.	.13	.30	....	.17	.33	....	.70	.32	.18	....	....	.64	T.	....	....	....	.53	.22	.14	....	....	....	T.	.18	....	.07	....	.62	5.48
ewisburg	do	.71	.51	....	T	....	....	.52	....	....	1.21	T.	....	....	....	1.41	....	....	....	T.	.19	T.	....	....	....	....	....	.54	.42	....	T.	....	5.51
ogan	Guyandotte	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
arlinton	Great Kanawha	1.20	T.	....	.42	T.	....	.40	....	....	.86	.44	....	....	.12	.96	....	....	....	.02	T.	.05	T.	....	....	....	....	1.46	.08	....	....	.12	6.13
iller ‖	Meadow Creek	.15	.52	....	.04	.30	....	....	.57	....	.60	.05	.15	....	....	.78	.10	....	....	....	.45	.24	.07	....	....	....	....	.20	.21	....	....	.24	4.67
oint Pleasant	Ohio	.40	.40	....	.32	.14	....	.63	....	....	.20	.36	....	....	.66	1.40	....	....	....	.11	.33	.08	....	....	....	....	....	.86	.28	....	....	.80	6.97
owellton	Great Kanawha	.30	.42	....	....	....	....	.43	....	....	....	.95	....	....	.20	.71	....	....	....	....	.23	T.	....	....	....	....	....	.31	.50	....	....	.80	4.85
aleigh ‖	do	.50	.70	.06	.06	.19	....	.12	.23	....	1.12	.09	.07	....	....	.65	.04	....	....	....	.52	.31	.16	T.	....	....	....	.06	.52	.12	T.	....	5.52
obertsburg ‖	do	.08	.91	.04	.05	.20	....	.53	.12	....	.30	.33	.18	....	.25	1.52	.05	....	....	.05	.40	....	....	....	....	....	....	.35	.77	....	....	.55	6.68
yan	do	.36	.42	....	.26	.15	....	.48	.05	....	.29	.61	.10	....	.11	1.09	....	....	....	....	.27	.21	.03	....	....	....	....	.28	....	.03	.02	.86	5.62
harples ‖	Coal River	.50	.65	....	....	....	....	.60	....	....	.70	.50	.15	....	1.05	.20	....	....	.12	.38	T.	T.	....	....	....	....	....	.15	.12	.08	....	.68	5.88
pencer ‖	Little Kanawha	.42	.92	.30	.50	T.	....	....	....	....	.27	T.	T.	....	.26	1.31	....	....	....	....	.15	.09	....	.24	....	....	....	.18	.33	....	.08	.32	5.37
utton	Great Kanawha	.26	.38	....	.46	....	....	.51	.10	....	.45	.42	....	....	.20	.75	....	....	....	....	.22	.18	....	....	....	....	....	....	.35	....	....	.62	4.90
nion	do	.13	....	....	.50	....	....	.20	....	....	1.51	.12	....	....	....	1.28	....	....	....	....	....	T	....	....	....	....	....	.08	.20	.05	....	....	4.07
hite Sulpr. Spgs. ‖	do	.75	....	.07	.02	....	.06	.35	....	.30	.12	....	....	....	.90	.20	....	....	....	.45	.04	.06	....	....	....	....	....	.12	.07	....	....	.14	3.65
illiamson ‖	Big Sandy	.38	.72	....	.16	T.	....	.32	.10	....	1.06	.25	.15	....	.02	1.05	.12	....	....	....	.46	.08	.10	....	....	....	....	.25	.04	....	.02	.38	5.66

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for March, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	29	38	40	39	47	68	68	35	50	46	43	56	68	68	67	46	43	44	51	56	30	26	50	65	74	74	67	71	70	56	67	53.3
	Minimum	14	19	23	26	27	18	33	25	12	35	36	31	22	37	33	29	25	14	32	30	24	21	8	34	36	36	46	52	42	36	45	29.1
Brandywine	Maximum	45	50	48	43	59	70	60	53	52	50	53	60	63	72	60	58	57	54	55	47	40	37	60	72	77	72	64	65	72	60	70	58.0
	Minimum	20	27	27	29	30	23	39	18	20	33	40	35	26	39	33	17	24	23	34	35	32	22	14	32	32	38	48	50	49	45	40	31.4
Burlington	Maximum	28	44	44	39	51	66	59	41	47	42	51	56	65	56	51	51	47	44	48	51	38	35	54	71	76	77	65	75	63	48	48	52.6
	Minimum	19	23	24	33	31	28	38	27	20	36	40	31	25	39	36	26	26	21	33	37	31	29	20	33	37	36	51	51	47	40	40	32.5
Martinsburg§	Maximum	30	41	41	39	55	67	58	45	50	41	49	58	65	60	50	53	48	44	50	52	40	41	56	59	75	80	61	76	80	43	46	53.5
	Minimum	21	24	27	28	32	27	31	35	23	26	33	35	29	32	39	33	28	21	22	37	36	30	24	28	38	40	47	54	57	40	39	32.8
Moorfield	Maximum	43	44	49	45	62	74	71	63	54	50	53	70	65	65	57	52	55	51	47	59	49	44	60	75	82	82	76	79	76	67	61	60.6
	Minimum	21	37	28	30	32	24	42	34	21	38	40	28	34	43	35	37	28	24	34	40	34	29	20	31	36	43	50	52	56	44	40	35.1
Piedmont	Maximum	25	45	47	33	44	64	54	42	45	42	49	57	68	58	54	49	47	45	47	50	37	32	57	69	76	77	70	77	65	48	43	52.1
	Minimum	19	21	26	28	32	25	38	30	21	36	39	32	27	39	36	30	28	22	37	36	29	27	23	36	41	39	50	53	48	39	39	33.1
Romney	Maximum	38	38	43	45	55	69	70	52	50	50	50	58	65	66	58	50	48	48	47	45	42	38	59	63	73	72	75	77	77	62	45	55.7
	Minimum	21	22	33	29	31	22	40	38	20	31	38	31	25	45	34	35	26	21	33	36	29	27	22	33	38	50	45	51	54	39	38	33.5
Upper Tract	Maximum	53	45	48	48	49	72	63	53	50	47	46	47	49	65	64	64	66	52	50	50	40	37	58	60	72	78	77	76	74	73	64	57.7
	Minimum	25	20	27	28	28	26	28	21	20	33	35	36	36	29	28	28	29	24	21	20	28	25	18	18	25	34	34	34	42	42	40	28.5
Northern Division.																																	
Bens Run	Maximum	31	36	48	45	52	72	67	46	52	59	56	63	68	60	55	53	47	41	64	60	44	36	58	73	78	72	64	73	59	74	73	57.6
	Minimum	23	32	25	35	30	28	37	32	27	41	41	40	31	44	40	30	31	25	40	32	31	28	23	36	37	42	50	56	43	41	52	35.7
Buckhannon	Maximum	40	44	44	40	49	70	65	40	55	60	50	59	67	56	51	49	50	47	67	51	35	33	52	69	75	73	68	74	68	75	50	55.7
	Minimum	20	33	29	34	31	27	35	30	25	40	40	32	40	39	33	28	28	23	40	33	29	27	22	36	40	44	52	54	48	48	38	34.8
Cairo	Maximum	35	40	46	45	52	72	73	48	55	60	60	63	71	68	55	50	47	46	65	62	35	37	58	75	78	72	65	75	73	73	75	59.0
	Minimum	24	32	24	32	27	24	35	32	23	41	38	41	30	43	40	32	25	26	40	35	30	28	18	32	33	37	50	52	48	42	55	34.5
Creston	Maximum	37	42	46	45	55	74	69	49	58	62	61	63	72	72	55	53	52	48	65	62	42	42	62	74	78	76	66	76	76	74	75	60.7
	Minimum	25	32	29	33	29	25	40	33	25	42	41	41	31	45	33	28	29	29	46	33	30	32	25	33	35	40	51	51	49	43	52	35.8
Elkins	Maximum	38	41	46	39	52	73	56	36	50	56	55	60	68	57	45	46	44	48	60	51	29	27	54	69	75	71	63	72	60	65	75	54.2
	Minimum	18	29	27	30	29	24	29	25	20	37	38	39	38	42	33	26	26	20	39	28	25	24	12	35	34	46	53	53	45	45	48	32.8
Fairmont§	Maximum	41	36	46	36	49	70	48	42	51	56	50	61	67	53	50	51	49	42	61	44	33	31	51	69	76	74	63	73	52	73	70	53.8
	Minimum	20	23	25	26	28	27	29	30	26	28	40	37	35	37	37	28	29	21	23	41	27	27	19	23	40	44	49	52	41	39	52	32.4
Glenville	Maximum	40	44	51	47	58	78	73	49	60	65	62	67	74	70	57	56	56	50	65	65	35	35	63	76	83	81	73	79	76	75	75	62.5
	Minimum	24	32	30	32	30	24	37	32	23	41	40	40	30	46	40	25	27	25	40	33	28	28	17	32	37	42	51	53	51	43	57	35.2
Grafton§	Maximum	42	40	47	43	54	54	49	44	49	59	51	65	71	54	53	51	41	54	54	41	34	42	65	74	80	75	72	72	72	68	62	55.9
	Minimum	20	34	25	33	30	24	48	29	21	40	41	37	31	42	37	26	27	20	39	40	28	26	15	35	36	40	49	54	45	41	56	34.5
Lost Creek	Maximum	40	44	45	44	52	73	68	45	55	61	59	60	68	68	52	53	50	44	64	62	34	34	57	72	77	76	68	75	72	73	72	58.6
	Minimum	21	31	27	32	31	22	36	30	22	49	39	38	27	47	38	24	23	22	37	33	29	26	15	34	33	49	49	55	46	40	55	34.2
Mannington	Maximum	37	40	45	41	49	71	69	42	52	57	55	60	67	57	54	50	47	43	63	62	31	33	52	72	78	74	66	70	74	70	72	56.6
	Minimum	22	22	23	31	28	24	38	31	21	39	40	35	26	41	38	24	26	20	34	32	29	28	16	36	36	40	49	44	40	44	45	32.3
Morgantown	Maximum	45	43	43	41	48	72	67	41	51	55	54	61	67	65	51	49	45	45	59	58	36	34	52	68	77	75	66	76	70	69	75	56.7
	Minimum	22	34	28	36	33	38	38	33	30	44	46	40	44	50	40	33	32	24	41	36	32	31	25	48	50	58	51	60	43	41	53	39.2
New Cumberland§	Maximum	32	31	44	36	42	65	48	42	49	52	50	59	69	51	52	45	42	42	54	41	35	36	49	49	76	65	61	72	43	65	56	50.1
	Minimum	19	20	17	19	27	25	27	28	25	27	41	31	30	33	39	27	25	18	21	40	28	25	17	20	32	38	42	44	37	35	40	28.9
New Martinsville	Maximum	36	35	49	59	54	74	66	48	48	58	53	63	71	65	57	52	49	48	62	62	36	38	57	75	80	73	62	77	71	77	71	59.0
	Minimum	20	28	22	29	25	25	35	28	23	38	38	36	29	42	37	21	27	20	33	30	26	25	21	35	34	41	45	51	42	38	47	32.2
Parkersburg	Maximum	35	34	45	38	52	71	58	48	54	58	52	61	70	60	52	51	45	45	64	55	36	37	58	71	78	72	63	75	58	75	73	56.4
	Minimum	22	30	26	33	32	32	35	34	30	42	41	40	40	45	39	32	34	28	43	33	29	28	25	41	44	52	51	57	43	43	44	37.0
Parsons	Maximum	35	40	48	37	48	72	60	44	51	50	50	58	68	52	51	50	41	55	62	55	32	28	52	68	70	76	69	76	60	69	81	55.3
	Minimum	16	30	27	30	30	30	33	28	17	34	36	34	26	36	40	22	24	15	36	32	26	25	6	26	36	39	40	48	48	48	52	31.3
Philippi	Maximum	38	44	44	43	50	74	69	41	54	60	59	60	68	72	54	49	45	45	65	61	33	30	54	69	77	75	67	74	70	72	76	57.8
	Minimum	18	29	25	25	29	34	32	27	25	37	35	37	37	46	35	27	25	19	39	29	26	24	15	43	45	49	49	54	44	39	55	34.0
Pickens	Maximum	43	42	46	35	50	70	55	37	48	59	55	63	66	63	56	47	41	51	58	55	25	25	53	67	75	71	62	69	61	69	72	54.5
	Minimum	17	23	25	27	25	30	28	23	18	35	32	33	35	41	32	22	22	20	30	25	20	20	5	32	38	44	50	50	41	43	65	30.7
Terra Alta	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Wellsburg	Maximum	30	31	42	41	48	68	64	44	50	51	50	60	63	68	54	46	46	41	54	55	40	36	53	53	77	68	63	74	72	67	66	54.0
	Minimum	20	29	16	25	26	23	35	29	26	36	40	36	30	27	38	23	23	18	35	33	28	26	17	32	36	38	44	54	38	36	46	31.1
Weston	Maximum	38	45	45	45	52	73	72	48	56	61	62	61	70	69	54	53	49	48	63	63	50	39	60	73	78	76	74	76	72	71	75	60.4
	Minimum	22	32	30	33	31	29	37	34	26	40	40	42	33	49	39	27	26	25	39	33	32	28	18	35	40	39	50	56	47	41	50	35.6
Wheeling§	Maximum	34	34	50	37	57	72	48	50	50	52	59	67	73	54	57	52	52	44	60	44	35	40	56	60	80	75	62	76	45	70	63	55.1
	Minimum	20	22	22	20	26	25	25	29	25	27	35	35	30	32	40	27	29	20	25	40	27	25	20	23	40	42	45	50	40	38	42	30.5
Southern Division.																																	
Bluefield	Maximum	35	38	41	40	56	70	68	44	46	63	74	61	66	72	71	53	55	61	66	62	36	42	61	71	70	75	73	71	74	78	74	60.3
	Minimum	25	30	28	30	26	30	34	28	30	37	37	37	36	47	39	30	30	34	40	31	27	24	25	39	40	49	52	53	55	47	56	36.3
Charleston	Maximum	44	43	40	45	61	58	57	53	59	61	72	70	68	70	65	64	71	68	72	60	51	42	60	68	68	75	64	67	65	68	63	61.0
	Minimum	19	29	30	29	30	30	30	28	35	37	34	35	30	32	30	31	32	38	37	40	32	29	29	25	42	51	53	50	52	43	50	35.3
Gary §	Maximum	43	42	42	38	61	75	55	49	55	61	....	60	69	75	55	55	58	....	66	46	35	45	66	74	78	72	70	74	74	78	76	60.2
	Minimum	33	33	32	32	28	27	28	32	27	29	41	....	30	33	48	29	29	32	....	38	31	29	24	28	35	38	53	51	53	55	55	35.6
Green Sulphur Spgs	Maximum	37	40	44	42	57	71	62	47	50	56	57	60	65	75	70	55	56	58	57	55	55	37	63	72	75	70	66	74	73	69	73	59.4
	Minimum	28	32	31	32	28	24	37	30	25	39	40	34	32	42	43	27	26	25	42	35	29	26	18	28	32	40	53	52	52	53	48	34.9
Hinton §	Maximum	35	43	46	40	62	74	52	49	52	56	48	64	70	78	51	58	56	58	55	48	36	45	67	78	80	72	62	78	75	57	....	58.2
	Minimum	29	28	31	31	30	27	28	32	26	27	40	40	33	33	45	30	29	32	34	44	33	27	22	23	30	35	40	52	52	54	47	34.3
Huntington §	Maximum	37	36	44	37	53	72	47	45	50	63	54	58	69	68	44	55	50	50	66	44	37	40	62	73	76	70	67	65	59	80	73	56.3
	Minimum	28	28	30	30	30	31	35	35	30	32	36	42	38	43	41	34	35	35	35	42	34	30	26	32	41	41	52	55	52	47	50	37.2
Lewisburg	Maximum	34	40	43	40	54	69	61	42	51	51	49	60	64	72	65	52	52	55	54	52	34	36	61	72	73	69	62	71	70	62	70	56.1
	Minimum	23	21	30	30	29	23	35	28	22	36	38	35	29	39	38	29	28	26	40	32	28	23	19	29	32	39	50	47	53	49	44	33.1
Marlinton	Maximum	30	40	42	34	48	62	50	36	40	44	42	54	58	62	52	44	44	50	50	44	30	28	54	62	68	66	54	64	64	52	64	49.4
	Minimum	18	28	21	26	24	22	24	20	14	36	32	32	20	32	34	20	22	18	31	28	20	16	12	22	24	30	40	38	44	40	42	27.0
Point Pleasant	Maximum	34	35	46	45	56	74	69	50	57	62	62	60	72	68	57	59	53	51	67	66	37	42	63	78	80	76	67	77	72	83	75	61.1
	Minimum	32	31	24	32	29	27	38	33	28	42	39	39	33	33	40	30	32	31	40	33	30	28	23	40	38	47	50	53	48	43	52	36.1
Powellton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Robertsburg§	Maximum	42	36	47	37	57	74	48	52	69	65	48	64	72	64	55	54	59	49	67	43	36	40	64	75	79	73	66	75	58	82	73	58.8
	Minimum	25	26	29	30	28	27	31	33	24	29	40	39	33	39	42	27	30	31	33	41	32	29	22	27	37	42	50	52	50	45	49	34.6
Ryan	Maximum	38	42	44	40	54	74	68	47	58	63	59	61	70	65	57	56	51	50	50	47	31	35	60	68	80	72	70	76	64	75	74	58.0
	Minimum	30	32	28	30	24	21	30	29	21	41	36	40	28	40	41	21	25	28	39	31	28	26	16	28	30	40	50	50	50	54	54	33.6
Spencer §	Maximum	42	41	45	50	68	72	42	47	60	60	62	70	70	50	52	55	40	54	64	44	34	37	60	75	79	72	69	76	60	72	74	58.0
	Minimum	29	31	29	32	33	38	42	33	25	42	43	43	37	44	42	26	29	30	31	42	30	28	19	36	37	40	53	53	51	44	49	36.8
Union	Maximum	36	42	44	49	....	74	70	71	48	51	58	....	67	75	74	55	67	55	....	57	37	41	73	74	76	....	74	71	73	73	75	61.5
	Minimum	21	30	29	29	....	25	36	34	25	37	39	....	30	40	39	31	29	28	....	34	29	25	24	26	33	....	44	46	54	49	50	33.9
White Sulphur Spgs§	Maximum	45	48	47	55	74	54	47	50	52	51	59	67	75	50	58	55	55	54	49	34	40	62	74	77	71	70	72	74	56	75	44	57.9
	Minimum	33	32	34	31	22	29	30	22	31	39	39	26	31	38	26	26	25	35	41	29	25	16	27	28	31	51	49	47	49	50	34	33.2
Williamson §	Maximum	47	37	38	38	55	68	49	45	51	63	45	56	68	74	51	53	55	60	65	44	36	45	62	72	74	73	70	74	68	78	70	57.5
	Minimum	33	34	32	32	30	30	32	33	31	32	42	42	37	38	46	33	33	35	40	44	34	32	28	29	38	42	47	54	55	54	56	38.0

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

MAY

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXX. Parkersburg, W. Va., April, 1922. No. 4.

GENERAL SUMMARY.

April was considerably warmer than usual, with the temperature generally much above the normal from the 3d to the 19th and slightly to much below the normal during the last ten days. Killing frosts and freezing temperatures occurred in most districts on the 22d, 23d, and 24th, and in many districts on the 29th and 30th, causing great damage to fruit in the central, northern, and eastern counties, especially in low orchards. The damage in ridge orchards was generally not severe. The rainfall was somewhat below the average and was rather unfavorably distributed. Heavy rain over the western and central counties on the 14-15th caused marked rises in the rivers. The snowfall was unimportant, the State average being only one-tenth of an inch. Practically no snow was received in the western half of the State. Growth was generally rapid during the first and second decades and the conditions were favorable for farm work until the 14th, when wet weather set in.

PRESSURE.

The mean sea-level pressure at Parkersburg and Elkins was 30.10 inches. The highest and lowest readings observed were s follows: Parkersburg, 30.52 inches on the 24th, and 29.34 inches on the 11th. Elkins, 30.51 inches on the 24th, and 29.23 inches on the 11th.

TEMPERATURE.

The monthly mean for the State, determined from 49 stations, vas 54.4°. The departure from the normal for 44 stations having ten or more years of record was +2.9°. The month pened with the temperature somewhat below the normal, but unseasonably warm weather prevailed from the 3d to the 18th. xcept the 12th and 15th, when the temperature was practically ormal. Cool weather prevailed from the 20th to the end of he month, the temperature being generally near freezing or omewhat below from the 21st to the 24th and on the last two ays. The highest temperatures were general on the 8th and 0th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and lkins at 8 a. m. and 8 p. m., with the normals, were s follows: Parkersburg, 8 a. m., 69 per cent; 8 p. m., 54 er cent. The April averages for the same hours for the ast 33 years are 75 and 62 per cent, respectively. Elkins, 8 m., 75 per cent; 8 p. m., 57 per cent. The April averges for Elkins for the same hours for the past 22 years are 79 nd 64 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 72 ations, was 3.15 inches. The departure from the normal for stations having ten or more years of record was −0.37 inch. he rainfall was heaviest over the western and central counties d lightest over the extreme eastern counties. Most of the infall was received on the 7-8th, 10-11th, 14-15th, 17-18th, st-22d, 25-26th, and 28th, the greatest amounts being received the 14-15th. Light snow fell in a few of the more elevated localities on the 1st and in many sections of the central and northern counties on the 21st. Light snow also fell at a few stations in the southeastern counties on the 28th.

HAIL.

Light hail fell at New Cumberland and Wellsburg on the 10th and at Buckhannon and Creston on the 14th. Heavy hail fell in the vicinity of Wheeling on the 10th and at Pickens on the 14th, causing some damage to fruit.

WIND.

The average wind velocity at Parkersburg was 7.0 miles per hour, or 0.2 mile above the April average for 32 years. The average at Elkins was 6.9 miles per hour, or 1.7 miles above the April average for 22 years. The highest velocity at Parkersburg was 35 miles per hour from the southwest on the 11th, and at Elkins 33 miles per hour from the northwest on the 14th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 51 per cent of the possible amount, or 4 per cent above the April average for 24 years. The average at Elkins was 48 per cent, or 4 per cent above the April average for 23 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bancroft, 23d and 30th; Bayard, 5th; Glenville, 26th; Marlinton, 5th and 22d; Morgantown, 22d; Parkersburg, 26th; Romney, 21st and 22d.

Halos, lunar: Cairo and Pickens, 5th; Bayard, 11th.

Sleet: Bayard, 1st: Parkersburg and Smithfield, 21st.

Thunderstorms (dates and number of stations reporting): 1st, 3; 2d, 1; 7th, 3; 8th, 4; 10th, 1; 13th, 4; 14th, 20; 15th, 8; 17th, 5.

COMPARATIVE DATA FOR APRIL.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	52.0	......	......	2.81	......	......	......	......	......	......
1892	50.6	87	17	4.25	......	......	......	......	......	......
1893	53.4	92	20	5.18	8.98	2.91	0.8	8	8	14
1894	50.6	90	14	3.32	5.30	1.97	1.6	12	8	10
1895	52.9	90	17	2.93	5.47	0.90	......	11	9	10
1896	57.7	95	12	2.06	4.35	0.82	......	13	12	5
1897	51.5	90	19	2.97	7.10	1.58	......	11	10	9
1898	48.0	86	2	3.14	4.86	1.40	......	10	9	11
1899	53.4	93	18	1.84	3.17	0.92	0.5	13	9	8
1900	51.8	88	16	1.35	2.08	0.43	T.	14	7	9
1901	47.5	95	18	7.05	10.70	2.50	6.0	10	4	16
1902	49.8	96	21	3.06	4.57	1.53	10.0	10	10	10
1903	51.3	91	8	4.47	7.30	2.29	0.4	11	8	11
1904	47.7	82	12	3.15	5.71	1.12	1.3	9	9	12
1905	52.2	89	14	2.78	5.57	1.10	1.5	11	9	10
1906	54.1	92	15	3.16	6.59	0.57	0.3	15	8	7
1907	45.6	92	10	3.49	6.66	1.42	6.1	8	8	14
1908	54.8	92	18	4.30	8.02	0.77	0.3	13	8	9
1909	53.0	93	10	5.04	8.57	1.70	2.4	10	11	9
1910	53.2	91	16	3.39	9.07	1.63	0.6	10	8	12
1911	49.5	88	6	4.29	7.00	0.83	1.5	9	8	13
1912	55.4	88	20	4.03	8.00	1.09	0.2	11	10	9
1913	52.4	92	12	2.99	5.48	1.61	0.1	14	6	10
1914	52.1	93	16	4.63	10.05	1.29	0.1	10	9	11
1915	55.5	101	10	1.93	5.69	0.10	T.	15	8	7
1916	50.5	90	17	3.07	5.70	1.25	4.3	9	7	14
1917	51.7	90	10	2.99	5.31	1.29	1.8	13	8	9
1918	50.3	85	18	5.11	9.14	1.88	10.4	9	7	14
1919	51.8	90	10	2.44	4.21	1.03	0.2	12	8	10
1920	49.7	91	15	4.91	7.26	1.64	1.2	8	7	15
1921	55.7	95	10	2.50	5.09	0.40	0.4	13	7	10
1922	54.4	91	15	3.15	6.76	0.50	0.1	13	7	10
Means and extremes	51.8	101	2	3.49	10.70	0.10	2.0	11	8	11

Climatological Data for April, 1922.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	21	49.6	+ 2.9	81	10	19	24	44	3.89	+0.04	1.12	2.0	15	13	10	7	w.	U. G. Clark.
Brandywine	Pendleton	......	6	52.7	......	85	8†	20	24	49	1.40	......	1.15	0	3	22	0	8	s.	Elmer Keister.
Burlington	Mineral	875	28	52.8	+ 2.2	87	10	24	24	41	1.83	−1.00	0.63	2.0	4	10	15	5	nw.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	33	......	......	......	......	......	......	....	1.06	−2.00	0.62	0	5	......	......	......	......	J. C. Newcomer.
Martinsburg	Berkeley	435	30	54.0	+ 2.5	90	10	27	22	43	1.17	−1.98	0.58	T.	7	17	8	5	nw.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	26	55.4	+ 0.6	91	10	21	26	47	1.20	−1.79	0.65	0	5	29	0	1	......	M. S. Henkel.
Piedmont	Mineral	919	9	53.0	......	88	10	25	24	41	1.95	......	0.88	T.	6	12	9	9	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	24	54.2	+ 2.6	87	8†	26	22†	43	1.88	−1.14	0.75	0	4	7	15	8	w.	Geo. E. Arnold.
Stony River Dam	Grant	......	2	......	......	......	......	......	......	....	3.63	......	1.36	T.	7	5	7	18	w.	A. C. Becker.
Upper Tract^{e}	Pendleton	1,230	23	53.9	+ 2.9	85	10	22	25	47	0.50	−1.97	0.40	0	2	20	0	5	w.	J. M. Mallow.
Wardensville	Hardy	1,200	4	52.8^{a}	......	83^{a}	10	22	24	42^{a}	1.77	......	0.85	0	6	17	5	8	nw.	Luther F. Sutton.
Averages and	extremes	......	....	53.2	+ 2.3	91	10	19	24	49	1.84	−1.41	1.36	0.4	6	15	7	8	w.	
Northern Division.																				
Bens Run	Pleasants	622	20	56.0	+ 3.8	83	10	29	22	43	4.43	+0.35	2.50	0	11	18	7	5	......	J. D. Riggs.
Bruceton Mills ††	Preston	1,549	2	......	......	......	......	......	......	....	3.24	......	1.27	T	10	2	18	10	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	25	53.6	+ 2.5	83	10	28	24	41	3.49	−0.77	1.40	0	8	18	5	7	......	H. A. Darnall.
Cairo	Ritchie	680	23	55.4	+ 0.6	84	8†	26	24	45	3.79	+0.11	1.95	0	11	9	11	10	......	O. C. Hess.
Cheat Bridge	Randolph	3,558	4	46.6^{a}	......	78^{a}	10	15	24	46^{a}	3.87	......	1.14	3.0	12	16	0	14	......	H. F. Cromer.
Cortland	Tucker	3,300	11	......	......	......	......	......	......	....	2.23	......	1.50	0	4	8	21	1	......	G. W. Harmon.
Creston	Wirt	701	20	57.7	+ 4.7	85	8†	29	24	44	2.78	−1.23	1.00	0	8	11	4	15	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	1	......	......	......	......	......	......	....	2.21	......	1.57	T.	13	......	......	......	n.	Lockmaster.
Dam 12 O. R.	Ohio	614	6	......	......	......	......	......	......	....	4.47	......	1.72	0	12	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	605	6	......	......	......	......	......	......	....	5.41	......	1.81	0	13	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	1	......	......	......	......	......	......	....	2.84	......	1.20	0	11	......	......	......	w.	Lockmaster.
Davis	Tucker	3,093	13	......	......	......	......	......	......	....	3.76	−0.21	1.08	0.6	12	9	11	10	w.	Ross C. Male.
Elizabeth	Wirt	646	10	......	......	......	......	......	......	....	3.56	−0.06	1.10	0	7	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	21	51.8	+ 3.1	81	10	24	24	43	3.77	+0.48	2.17	T.	13	4	14	12	w.	U. S. Weather Bureau
Fairmont	Marion	883	16	52.9	+ 1.1	84	10	27	22	39	3.14	−0.34	1.29	T.	8	24	1	5	w.	Creed E. Bolyard.
Glenville	Gilmer	738	28	57.6	+ 4.2	87	8	26	24	48	3.78	+0.04	1.86	0	10	16	10	4	w.	Howard R. Brannon
Grafton	Taylor	1,000	29	54.0	+ 2.7	89	10	25	24	46	3.58	−0.19	1.64	T.	8	5	21	4	e.	W. C. Byers.
Lost Creek	Harrison	1,026	24	53.8	+ 2.6	84	8	23	24	46	3.58	+0.22	1.51	0	9	14	8	8	w.	Allen Smith.
Mannington	Marion	974	19	53.5	+ 2.3	84	10	24	22	45	3.34	−0.63	1.65	T.	13	10	7	13	sw.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	29	56.8^{a}	+ 5.6	86	11	30^{a}	22	36^{a}	1.42	−1.93	0.87	T.	3	3	6	21	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	19	......	......	85	10	......	......	....	4.42	+1.30	1.74	T.	15	17	8	5	sw.	G. W. Wright.
New Cumberland	Hancock	987	24	51.0	+ 1.7	83	10	24	22	40	3.84	+0.48	1.34	1.0	14	10	9	11	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	28	55.1	+ 2.1	85	10	26	22	45	2.80	−0.79	1.05	T.	9	14	6	10	s.	Wm. Ankrom.
Parkersburg	Wood	638	35	56.2	+ 3.1	83	10	32	22	51	3.81	+0.90	2.61	0	10	8	8	14	n.	U. S. Weather Bureau
Parsons	Tucker	1,656	22	52.4	+ 3.7	87	9	20	24	46	3.47	−0.38	......	T.	8	9	14	7	......	J. W. Swisher.
Philippi	Barbour	1,149	25	54.2	+ 3.0	82	10	26	22	39	3.25	−0.68	1.34	T.	8	7	8	15	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	19	50.8^{a}	+ 2.5	82^{a}	10	23^{a}	23†	42^{a}	6.76	+1.72	2.64	0.5	10	16	6	8	w.	Dr. J. L. Cunningham
Rowlesburg	Preston	1,375	35	......	......	......	......	......	......	....	4.80	+0.79	1.52	T.	10	......	......	......	w.	J. F. Pierce.
Saint Marys	Pleasants	577	13	......	......	......	......	......	......	....	5.55	+1.60	2.60	0	16	......	......	......	sw.	Wm. Hughes.
Smithfield	Wetzel	835	16	53.6	+ 2.6	85	10	24	24	46	4.11	+0.21	1.76	T.	11	18	8	4	se.	G. M. Whisler.
Terra Alta	Preston	2,612	21	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	N. F. Kidd.
Wellsburg	Brooke	1,225	21	53.7	+ 4.7	83	10	23	22	46	2.91	−0.17	1.73	T.	10	17	4	9	w.	George P. Pfister.
Weston	Lewis	1,026	26	56.2	+ 3.7	85	8	29	22†	43	2.83	−1.22	0.95	0	12	3	14	13	......	Weston State Hospita
Wheeling	Ohio	645	35	53.4^{a}	+ 1.3	87^{a}	7	25	22	45^{a}	4.77	+1.64	1.82	T.	14	14	2	14	w.	Miss M. B. Forsyth.
Averages and	extremes	......	....	53.9	+ 2.9	89	10	15	24	51	3.57	+0.05	2.64	0.2	10	11	9	10	w.	
Southern Division.																				
Bancroft	Putnam	574	18	56.4	+ 2.9	86	10	28	23	42	2.66	−1.17	1.02	0	12	10	5	15	se.	E. H. Morrow.
Beckley	Raleigh	2,440	22	52.1	+ 2.7	80	8	26	23	34	2.13	−1.81	0.78	0.5	5	16	5	9	sw.	E. E. Phipps.
Bluefield	Mercer	2,558	27	56.1	+ 2.9	89	15	32	1†	39	3.19	−0.19	1.01	T.	11	18	6	6	......	Norfolk & Western
Camden-on-Gauley	Webster	2,062	7	......	......	......	......	......	......	....	2.21	......	1.00	T.	5	17	0	13	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	19	58.6	+ 2.0	89	16	30	1†	41	4.31	+0.58	2.10	0	9	15	3	12	e.	C. V. Lewis.
Clay	Clay	706	6	......	......	......	......	......	......	....	2.89	......	0.98	0	11	......	......	......	......	Mark King.
Cuba††	Jackson	650	20	56.6	+ 3.9	85	8†	29	22†	43	1.15	−2.30	0.30	0	7	4	17	9	w.	Miss Faythe Howard
Dam 19 O. R.	Wood	557	6	......	......	......	......	......	......	....	4.39	......	1.28	0	11	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	6	......	......	......	......	......	......	....	3.38	......	1.24	0	10	......	......	......	......	Lockmaster.
Dam 22 O. R.	Jackson	538	7	......	......	......	......	......	......	....	2.20	......	0.90	0	5	......	......	......	nw.	Lockmaster.
Dam 26 O. R.	Mason	505	6	......	......	......	......	......	......	....	2.75	......	0.80	0	8	......	......	......	......	U. S. Engineer Offic
Gary^{b}	McDowell	1,426	6	56.6	......	85	10	28	24	43	3.36	......	1.05	0	11	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	26	56.0	+ 5.2	85	12	25	23	45	3.48	+0.05	1.31	T.	8	14	3	13	w.	W. H. Gwinn.
Hinton	Summers	1,450	25	56.1	+ 3.2	88	10	29	23	46	2.52	−0.76	0.82	0	10	8	2	20	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	28	57.0	+ 3.0	84	10	31	23	36	2.62	−1.10	1.24	0	9	11	5	14	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	3	......	......	......	......	......	......	....	3.67	......	2.09	0	7	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	6	......	......	......	......	......	......	....	3.92	......	1.45	0	8	......	......	......	......	Cabin Creek Con. Coa
Lewisburg	Greenbrier	2,200	22	53.6	+ 2.5	82	8†	24	23	41	3.23	−0.21	0.97	0	8	15	7	8	nw.	Geo. T. Argabate.
Logan	Logan	687	19	......	......	......	......	......	......	....	4.17	−0.63	0.86	0	8	......	......	......	......	C. & O. R. R..
Marlinton	Pocahontas	2,131	23	46.4	− 0.7	76	8†	18	23†	46	3.33	−0.01	0.76	T.	11	2	18	10	sw.	S. L. Brown.
Miller	Fayette	......	2	......	......	......	......	......	......	....	3.97	......	1.69	0	9	......	......	......	......	J. R. Bays.
Point Pleasant	Mason	553	29	58.4	+ 3.5	87	8	30	22†	43	2.88	−0.46	0.90	0	12	12	9	9	......	W. D. Holmes.
Powellton^{k}	Fayette	933	26	56.6	+ 2.1	89	10	24	24	50	3.77	+0.10	1.20	0	9	9	4	6	......	Elkhorn-Piney Coal
Raleigh	Raleigh	2,130	6	......	......	......	......	......	......	....	3.54	......	1.34	T.	10	......	......	......	......	Raleigh Coal & Coke
Robertsburg	Putnam	574	22	57.0	+ 4.1	87	10	28	23	44	2.38	−1.36	0.81	0	9	11	8	11	n.	E. C. Brace, Jr.
Ryan	Roane	700	19	55.5	+ 3.1	85	10	25	23†	49	2.36	−1.19	0.85	0	11	11	10	9	......	Wm. E. Ryan.
Sharples	Logan	......	2	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	C. E. Rippetoe.
Spencer	Roane	784	18	55.8	+ 3.3	86	8†	28	24	44	3.32	−0.31	1.10	0	8	12	7	11	......	A. M. McKown.
Sutton	Braxton	839	16	55.2	+ 2.7	84	8†	30	3†	42	3.62	−0.57	1.20	0	9	21	0	9	......	C. B. Eakle.
Union	Monroe	2,250	18	57.0^{f}	+ 6.4	85^{e}	10	27^{f}	21	49^{f}	2.81	−0.08	0.70	0.2	8	......	......	......	......	W. M. H. Young.
White Sulphur Springs	Greenbrier ††	1,940	12	50.4^{f}	......	76	8†	22^{f}	22	46^{f}	1.53	......	0.65	1.5	6	21	4	5	......	J. M. Ayres.
Williamson	Mingo	660	22	57.1	+ 2.1	84	14	32	23†	37	2.85	−1.04	0.72	0	10	......	......	......	......	J. F. Keyser.
Averages and	extremes	......	....	55.6	+ 3.0	89	10†	18	23†	50	3.17	−0.58	2.10	T.	9	13	6	11	sw.	
State averages and	extremes	......	....	54.4	+ 2.9	91	10	15	24	51	3.15	−0.37	2.64	0.1	9	13	7	10	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are us determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for April, 1922.

Stations.	Drainage-basin.	Day of month.																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac	.62	.09		T.							.10	.08		1.12	.81	.03		.20	.03	.05	.46	.09				.14	.03	T.	.04			3.89
Brandywine	...do														.90	.25				.25		T.											1.40
Burlington	...do	.50										T.			.63	.40				T.		.30											1.83
Harpers Ferry ‖	...do	.27													.41	.21					.08						.09						1.06
Martinsburg	...do			.05	.04							T.			.58			.15	.10	.05		.20				T.							1.17
Moorefield	...do	.31													.65					.08			.08				.08						1.20
Piedmont	...do	.33													.88	.47		.03				.23						.01					1.95
Romney	...do	.35													.75	.48		T.	T.	T.		.30											1.88
Stony River Dam ‖	...do	.60											.07		.70	1.36			.26	T.	T.	T.	T.	T.			.54	.10					3.63
Upper Tract	...do														.40	T.				.10		T.											0.50
Wardensville	...do	.40						T.							.85	.30		.01				.10	.11										1.77
Northern Division.																																	
Bens Run	Ohio	.05							.20	.18		.25			2.50	.67		.13	.10			.15				.10	.12						4.43
Bruceton Mills	Monongahela	.57		T.	T.		T.		.23	.02	T.	.09	.09		1.27	.58		.10	.14	T.		T.		T.		T.	.15						3.24
Buckhannon	...do											.20	.10		1.40	.60		.01	.48	T.	T.	.40				T.	.30						3.49
Cairo	Little Kanawha							.12		T.		.40	.04		1.95	.70		.02	.08	.01	T.	.26				.08	.13	T.					3.79
Cheat Bridge ‖	Monongahela	.50													.64	1.14	.01	T.	.27	.24	*	*	.41				.35	.05	.26				3.87
Cortland	...do	.01												.42	1.50							.30											2.23
Creston	Little Kanawha	.30							.08				.31		.61	1.00		T.	.12				.31				.05	T.	T.				2.78
Dam 10, Mon. R.	Monongahela	.04			.01				.04	.03		.14	.07		1.57			.08	.07	.01		.06	T.			.06	.03						2.21
Dam 12, O. R. ‖	Ohio	.68							.68		.06	.08	.33	.04	.62	1.72			.14			.03	.02				.07						4.47
Dam 13, O. R.	...do	.91							.37	.22	.07	.96	.36	.15	.21	1.81		.02	.29			.02	.02										5.41
Dam 15, Mon. R. ‖	Monongahela	.28				.02	.01		.02				.12		1.20	.71		.17	.08				.12				.11						2.84
Davis	...do	.51	.02		T.			.01	T.				.29		1.08	.80		.01	.29		.06		.39				.20	.10					3.76
Elizabeth ‖	Little Kanawha	.45							.14				.45		.79	1.10							.41				.22						3.56
Elkins ***	Monongahela	.13		T.			T.	.01	.04	T.		.14	.04		1.83	.36		.01	.24	.12		.45				.22	.18						3.77
Fairmont	...do	.13	T.	T.			T.		T.		T.		.24	T.	1.29	.80		.28	.10	T.	T.	T.	.15	T.			.15	T.					3.14
Glenville	Little Kanawha	.44							.15		.07		.18		.76	1.10		.07	.28				.53				.20						3.78
Grafton	Monongahela	.15						T.	T.				.12		1.64	.88		.07	.31			.21					.20		T.				3.58
Lost Creek	...do	.05							.06	T.		.24			1.51	.72		.04	.34			.30				T.	.32						3.58
Mannington	...do	.26			T.				.02	.06		.15	.10		1.65	.69		.12	.07			.10				.02	.09	.01					3.34
Morgantown	...do														.87	.50		T.				.05					T.						1.42
Moundsville ‖	Ohio	.83					T.		.29	.19	.22	.26	.16	.01	.38	1.74		.04	.23		.02	.01	.01				.03						4.42
New Cumberland ‖	...do	.76			.08				.18		.02	.37	.19		.35	1.34	.02	.04	.18		.08	.13	T.				.10						3.84
New Martinsville	...do	.10							.10			.20			1.05	.90		.10	.20			.05					.10						2.80
Parkersburg ***	Ohio				T.		T.	.07		.04	T.	.33	.02		2.61			.22	.12	T.		.18				.19	.03						3.81
Parsons	Monongahela	.88										*	*		1.57			*				*	1.00	.02									3.47
Philippi	...do	.39								T.			.19		1.34	.50		.09	.44	.02		.28				T.							3.25
Pickens	...do	1.30										.38			1.96	.68			.80	T.	.17	.65	T.			.11	.46		.27				6.76
Rowlesburg ‖	...do	.80							T.				.32		1.52	.88		.10	.38	.10		T.	.40				.25	.05					4.80
Saint Marys ‖	Ohio	.62							.16	.05	.05		.40		2.60	1.10			.16		T.	.05	T.				.38						5.55
Smithfield	Fishing Creek	.48							.10		.05		.30	.01	1.76	.96			.10			.01	.14				.20						4.11
Terra Alta	Monongahela																																
Wellsburg	Ohio			.04	T.				.29	.05	.05	.27			.10	1.63		.18				.18				.15							2.94
Weston	Monongahela								.06	.02		.12	.05		.95	.62		.05	.32	.04	.35					.05	.20						2.83
Wheeling ‖	Ohio	.73			.01				.95	.12	.06	.12	.32	.02	.36	1.82		T.	.14	T.	T.	.03	.02				.07	T.					4.77
Southern Division.																																	
Bancroft ‖	Great Kanawha	.24					.03		.01		.01	.11	.10		.55	1.02			.11				.12				.11		.25				2.66
Beckley	...do	.11													.58	.23						.43							.78				2.13
Bluefield	...do	.24					.02					.17				.42			.46	.30		.10	.05				.25	.17	1.01				3.19
Camden-on-Gauley ‖	...do	.10										.11			1.00			.80				T.				.20	T.	T.					2.21
Charleston ‖	...do	.65									T.	T.	.20		T.	2.10		.10	.15	.25	T.		.38				.16		.32				4.31
Clay	...do	.30									.03		.23		.28	.98			.40	.14			.23				.04	.02	.24				2.89
Cuba	Sand Creek	.10								.10		.20	T.		.20			T.	.10			.30				.15							1.15
Dam 19 O. R.	Ohio	.30							.10		.04	.10	.43		1.04	1.28		T.	.55		T.	.01	.25				.29						4.39
Dam 20 O. R.	...do	.30									.04	.05	.28		.58	1.24			.20			.02	.44				.23						3.38
Dam 22 O. R.	...do	.40													.60	.90			.05				.25										2.20
Dam 26 O. R.	...do	.40					.10					.25			.55	.80			.20								.30		.15				2.75
Gary	Big Sandy	.20		.04			.12						.20			.60			.36	.35	.18		.13				.13	1.05					3.36
Green Sulpr. Spgs.	...do	.17														1.31		.12	.40		.16						.51	.11	.70				3.48
Hinton	...do	.12					T.						.20			.58		T.	.10	.28	.18		.16				.08		.78	.04			2.52
Huntington	Ohio	.22					.18					.42	T.		.22	1.02			.10				.16				.12		.18				2.62
Kanawha Falls ‖	Great Kanawha	.20														2.09			.33	.10		.35					.15		.45				3.67
Kayford	...do	.22	T.										.32			1.45			.50	.13	T.		.48				.21		.61				3.92
Lewisburg	...do	.48										.19			.97			T.	.41	.46		.09				T.	.17		.46				3.23
Logan	Guyandotte		.02	.38	T.								T.	.42	.83	.23				T.	.60							T.	.86	.83			4.17
Marlinton	Great Kanawha	.45								T.		.15			.29	.47			.32	.20		.46				.30	.18	.03	.48				3.33
Miller	Meadow Creek	.22											.20			1.69			.44	.33	.01		.33				.21		.54				3.97
Point Pleasant	Ohio	.05					.02			.02		.40			.90	.72			.11	.12		.18				.16	.10		.10				2.88
Powellton	Great Kanawha	.17									.20	.22			1.20				.45			.30	.20				.28		.75				3.77
Raleigh	...do	.12					T.				T.	.21				1.34			.29	.25	.14		.23				.15	T.	.79	.02			3.54
Robertsburg ‖	...do	.28										.18	.16		.29	.81			.16				.16				.18		.16				2.38
Ryan	...do	.10								.02		.25			.85	.54		.01	.13	T.		.17				.05	.11		.13				2.36
Sharples ‖	Coal River																																
Spencer ‖	Little Kanawha	.48							T.		T.		.15		1.10	.98			.11		T.		.26				.14	T.	.10				3.32
Sutton	Great Kanawha	.57													1.20	.62			.26	.10	.12					.25	.30	.20					3.62
Union	...do										.70				.28				.69	.34	.05	.05						.10	.60				2.81
White Sulpr. Spgs. ‖	...do											.11				.08			.20	.34		.65							.15				1.53
Williamson ‖	Big Sandy	.40					T.				.05	.08	.06			.45			.45	.16	T.		.22				.26		.72				2.85

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for April, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	59	59	60	63	58	59	74	79	79	81	75	68	74	74	67	67	77	75	56	53	45	44	45	55	61	57	56	54	64	68	....	63.5
	Minimum	28	28	26	37	36	43	45	50	47	62	47	40	44	44	40	28	39	43	33	31	30	22	23	19	25	46	37	34	20	25	....	35.7
Brandywine	Maximum	50	56	68	75	70	60	75	85	84	85	78	65	83	75	67	70	75	70	57	49	52	53	52	64	65	65	62	60	65	66	....	66.7
	Minimum	35	30	28	35	38	44	44	55	53	53	54	48	34	54	54	33	40	50	34	34	26	31	22	20	28	48	49	37	25	26	....	38.7
Burlington	Maximum	48	54	63	55	59	57	76	84	84	87	80	60	81	74	64	68	77	72	57	54	45	51	58	56	63	68	62	61	65	69	....	65.1
	Minimum	39	36	29	38	34	44	42	56	53	60	53	50	40	59	49	32	47	50	42	40	29	26	29	24	28	49	42	41	26	31	....	40.6
Martinsburg§	Maximum	57	59	60	61	59	54	71	81	88	90	81	62	85	68	65	69	75	65	50	57	42	52	54	59	66	72	63	63	68	71	....	65.6
	Minimum	39	36	32	38	37	44	44	46	53	62	65	53	42	50	54	37	40	53	45	41	34	27	32	29	32	40	49	42	34	39	....	42.3
Moorfield	Maximum	59	62	67	64	65	58	80	89	89	91	87	83	86	80	67	70	83	78	71	64	51	54	56	63	68	68	67	63	68	74	....	70.8
	Minimum	38	41	31	31	37	48	44	57	54	60	57	51	41	41	38	35	51	55	43	40	30	30	28	23	29	21	48	42	29	30	....	40.1
Piedmont	Maximum	46	52	62	64	58	55	74	83	83	88	82	62	80	73	64	69	81	74	52	51	45	53	52	54	65	65	60	60	69	73	....	65.0
	Minimum	35	34	31	41	38	45	42	53	55	59	55	46	44	59	46	33	45	48	42	38	30	28	31	25	31	49	41	40	28	34	....	40.9
Romney	Maximum	40	56	60	60	60	60	75	87	87	86	86	85	80	80	64	70	80	82	64	53	54	50	51	60	60	65	64	62	69	72	....	67.4
	Minimum	36	34	29	40	34	44	45	59	54	65	55	49	44	59	48	32	46	50	42	38	28	26	29	28	28	48	45	40	26	33	....	41.1
Upper Tract	Maximum	49	60	64	70	72	72	75	80	80	85	84	81	82	82	79	80	....	75	76	...	51	51	52	56	58	....	....	....	61	68	....	69.7
	Minimum	35	30	30	38	38	39	40	45	50	59	58	53	54	53	36	33	....	37	37	....	30	32	25	24	22	....	....	....	25	30	....	38.1
Northern Division.																																	
Bens Run	Maximum	57	59	69	71	79	74	81	81	76	83	75	61	78	73	75	80	81	65	66	53	48	56	61	65	59	64	62	62	74	75	....	68.8
	Minimum	35	33	37	40	45	54	48	57	60	59	57	41	40	59	40	43	55	48	47	37	35	29	35	31	40	51	38	38	31	32	....	43.3
Buckhannon	Maximum	38	51	65	71	76	68	79	82	78	83	75	57	78	70	71	75	79	70	59	53	48	48	52	58	60	58	58	53	62	66	....	64.7
	Minimum	31	35	34	46	48	43	49	52	58	60	56	45	37	60	47	39	51	49	42	37	32	31	31	28	38	52	44	39	31	33	....	42.6
Cairo	Maximum	70	58	72	72	79	74	82	84	80	83	82	61	80	77	64	78	84	77	64	52	52	54	61	65	62	63	62	59	68	73	....	69.7
	Minimum	35	30	32	44	42	56	46	56	54	49	56	44	35	59	47	35	55	43	44	36	29	28	30	26	36	52	39	39	29	31	....	41.2
Creston	Maximum	72	58	73	73	80	76	82	85	84	85	79	67	81	80	75	79	84	79	68	65	55	53	60	69	67	66	70	65	68	75	....	72.4
	Minimum	36	32	33	43	44	57	48	57	58	53	57	46	37	57	48	38	60	48	43	38	30	30	31	29	39	53	43	40	30	33	....	43.0
Elkins	Maximum	54	51	67	69	74	59	76	80	79	81	75	55	77	72	60	71	79	71	51	47	46	47	48	62	62	55	54	53	63	66	....	63.6
	Minimum	30	33	31	48	41	51	51	60	56	59	46	41	34	57	40	32	53	39	39	34	31	30	26	24	33	49	42	36	27	30	....	40.1
Fairmont§	Maximum	39	56	63	63	76	67	77	81	78	84	74	54	77	63	61	76	78	61	59	53	41	52	56	61	59	61	61	58	68	70	....	64.2
	Minimum	33	31	35	40	43	50	50	57	60	58	63	42	38	51	45	40	50	52	42	35	32	27	28	28	35	43	37	37	31	34	....	41.6
Glenville	Maximum	73	62	78	74	84	78	83	87	83	86	85	66	82	80	71	81	84	81	66	60	55	58	62	71	68	63	63	63	73	77	....	73.3
	Minimum	35	31	31	41	41	55	46	58	57	55	58	46	34	56	47	36	58	48	41	38	29	30	28	26	37	52	45	41	27	29	....	41.9
Grafton§	Maximum	47	59	66	78	76	76	81	85	82	89	74	66	78	66	72	81	84	61	64	53	48	52	56	65	56	55	58	58	67	69	....	67.4
	Minimum	33	31	32	46	41	51	46	56	55	54	60	42	34	58	45	35	49	47	40	35	29	27	28	25	33	49	38	38	27	31	....	40.5
Lost Creek	Maximum	68	57	65	68	72	74	79	84	80	81	75	78	74	71	63	74	79	75	61	55	48	53	57	61	63	59	58	55	66	72	....	67.5
	Minimum	33	28	30	44	40	46	48	55	55	55	56	32	58	59	45	33	53	46	36	35	28	26	26	23	34	49	39	38	28	28	....	40.2
Mannington	Maximum	58	57	63	61	75	69	79	81	78	84	77	60	79	75	63	75	81	78	60	58	47	50	55	60	61	63	61	56	64	68	....	66.5
	Minimum	34	29	33	46	39	54	46	57	55	54	58	43	31	59	46	33	51	48	40	36	29	24	30	25	32	49	37	37	27	30	....	40.5
Morgantown	Maximum	72	54	63	58	73	69	79	82	79	84	86	64	77	76	61	78	80	82	60	63	49	48	53	60	58	62	62	55	65	68	....	67.4
	Minimum	36	36	....	53	41	53	57	61	65	62	59	44	45	60	46	45	57	48	45	39	37	30	37	34	45	52	40	39	35	40	....	46.3
New Cumberland§	Maximum	41	52	55	66	70	69	80	77	78	83	76	51	74	67	59	76	78	58	61	49	44	49	51	58	55	63	54	51	64	69	....	62.9
	Minimum	34	30	37	39	36	38	47	51	56	62	59	42	38	45	43	37	38	45	42	31	32	24	33	27	33	40	38	32	28	34	....	39.2
New Martinsville	Maximum	56	58	70	61	80	76	83	83	78	85	77	64	79	77	65	80	82	80	67	62	50	55	62	67	64	66	64	60	68	74	....	69.8
	Minimum	32	28	34	43	41	48	48	55	56	53	56	42	35	56	41	35	56	46	42	34	31	26	30	27	36	46	35	35	30	31	....	40.4
Parkersburg	Maximum	44	56	70	67	78	72	82	81	76	83	76	59	79	72	62	77	83	74	64	51	52	51	58	63	56	64	57	56	64	70	....	66.6
	Minimum	36	36	40	50	48	56	53	60	63	62	46	44	45	60	48	46	62	47	45	38	36	32	36	35	41	52	39	39	35	39	....	45.7
Parsons	Maximum	63	50	67	72	76	65	80	84	87	83	83	55	73	71	69	74	80	70	56	50	50	56	48	63	64	57	64	57	61	71	....	66.7
	Minimum	33	28	27	44	40	48	44	52	50	54	54	42	29	51	45	28	43	45	45	38	26	27	23	20	28	47	44	38	23	25	....	38.0
Philippi	Maximum	70	53	63	67	77	65	77	81	79	82	77	62	77	75	72	77	80	77	59	55	61	48	51	59	63	58	53	63	65	68	....	67.2
	Minimum	31	31	33	46	45	44	52	60	65	60	57	41	39	56	43	39	57	44	40	33	31	26	28	27	43	38	36	27	30	34	....	41.2
Pickens	Maximum	50	52	71	71	73	60	75	80	76	82	71	60	77	70	69	....	78	68	54	48	46	49	50	64	65	55	55	53	53	62	....	63.3
	Minimum	26	28	29	43	43	46	47	55	55	59	51	38	35	51	39	....	53	41	33	28	25	31	23	23	37	46	41	32	25	29	....	33.3
Terra Alta	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Wellsburg	Maximum	64	56	56	66	71	70	81	77	81	83	73	66	74	70	66	79	76	78	63	57	45	51	55	59	58	65	57	57	66	72	....	65.5
	Minimum	34	26	33	45	33	50	45	59	65	55	55	42	36	59	46	33	49	42	43	35	31	23	35	25	53	48	38	31	26	31	....	40.9
Weston	Maximum	69	65	69	74	77	73	81	85	79	84	77	62	80	76	74	76	82	78	65	57	58	60	57	63	64	65	61	56	67	72	....	70.2
	Minimum	40	33	44	40	44	44	50	55	59	60	58	46	37	59	37	37	39	48	41	37	32	29	30	29	39	51	43	38	32	33	....	42.1
Wheeling§	Maximum	42	60	61	65	58	75	87	82	80	86	75	53	80	67	66	89	82	65	65	51	44	56	63	61	57	67	64	62	70	....	....	66.6
	Minimum	35	27	31	43	40	40	49	59	57	60	67	40	37	50	45	35	38	48	45	34	32	25	28	29	34	42	37	36	29	34	....	40.2
Southern Division.																																	
Bluefield	Maximum	71	65	72	77	79	64	76	79	80	81	81	71	77	82	89	63	79	77	60	55	50	47	51	67	69	73	69	51	61	68	....	69.5
	Minimum	32	32	34	49	49	42	41	48	41	42	55	41	52	60	60	48	49	43	41	31	32	37	33	33	47	52	51	35	35	33	....	42.7
Charleston	Maximum	56	63	68	80	80	78	82	84	79	78	75	72	76	80	82	89	88	87	71	66	55	53	50	71	72	71	60	62	68	74	....	72.3
	Minimum	30	40	39	42	44	52	54	55	56	58	50	50	42	45	50	51	52	55	50	40	38	40	31	30	42	59	50	42	36	36	....	45.0
Gary§	Maximum	41	62	76	79	75	64	81	83	82	85	75	69	80	84	66	70	81	60	62	55	58	....	58	71	70	58	55	....	67	73	....	69.4
	Minimum	36	30	34	38	44	50	44	51	56	55	62	51	41	53	54	47	51	59	45	38	30	37	....	28	38	50	40	32	....	35	....	43.9
Green Sulphur Spgs.	Maximum	67	60	75	78	72	64	80	83	80	82	84	85	67	80	82	80	80	74	55	54	50	54	58	67	70	71	64	57	63	72	....	70.4
	Minimum	35	36	32	36	42	47	47	48	57	55	56	52	48	35	56	41	48	59	40	36	27	40	25	28	42	50	50	36	28	29	....	41.7
Hinton§	Maximum	40	64	79	82	74	55	83	87	83	88	80	75	85	85	65	72	84	63	56	59	55	56	64	73	72	75	68	56	67	76	....	70.7
	Minimum	37	35	37	38	40	45	45	45	53	53	55	50	39	40	52	41	47	53	42	36	30	37	29	31	33	44	53	37	32	32	....	41.5
Huntington§	Maximum	47	57	74	76	78	75	82	83	73	84	68	62	79	80	62	80	82	62	68	56	58	53	60	66	62	67	56	57	64	70	....	68.0
	Minimum	38	36	39	47	52	51	54	61	65	59	55	49	43	54	50	45	50	51	50	40	37	37	31	35	35	53	47	42	39	35	....	46.1
Lewisburg	Maximum	61	58	71	71	69	57	77	82	78	82	76	67	76	78	72	65	77	71	54	51	53	52	54	63	67	65	61	56	61	68	...	66.6
	Minimum	32	34	30	35	43	46	43	47	55	55	61	47	35	56	47	39	47	50	39	34	28	35	24	26	39	49	47	33	29	29	....	40.5
Marlinton	Maximum	48	50	64	66	68	54	70	76	44	76	70	58	74	68	60	62	74	64	44	40	44	48	48	69	62	56	48	42	60	66	....	59.8
	Minimum	28	28	24	28	32	40	40	42	42	48	48	40	30	52	38	28	36	41	32	28	20	24	18	18	26	41	42	32	20	20	....	33.1
Point Pleasant	Maximum	59	60	77	77	80	75	85	87	82	86	81	65	82	78	76	81	83	79	69	67	55	56	64	69	64	67	67	60	67	75	....	72.5
	Minimum	36	33	37	47	47	55	51	56	62	55	55	45	40	60	47	42	61	49	48	36	35	30	30	30	42	52	42	39	31	32	....	44.2
Powellton	Maximum	71	....	80	78	80	75	....	....	....	89	88	84	80	81	....	...	85	83	....	71	61	56	....	74	71	67	...	60	...	....	....	75.5
	Minimum	32	....	35	35	46	42	....	....	....	46	43	19	40	40	....	....	41	42	....	38	32	32	....	24	29	30	...	40	....	....	....	37.7
Robertsburg§	Maximum	76	72	73	77	81	78	85	85	76	87	68	64	79	80	68	81	82	65	67	55	55	56	60	71	65	66	57	60	68	76	....	71.1
	Minimum	37	35	35	43	49	52	49	51	60	54	56	46	38	49	48	42	53	51	46	38	31	34	28	29	30	51	41	42	31	32	....	43.0
Ryan	Maximum	54	59	76	78	82	72	83	81	74	85	78	65	81	78	76	78	83	74	67	60	55	55	60	67	68	65	69	58	66	73	....	70.5
	Minimum	33	29	31	40	43	52	46	51	55	51	50	46	32	64	49	35	56	48	40	34	26	30	25	25	37	50	43	38	28	27	....	40.5
Spencer §	Maximum	44	59	78	77	81	73	84	86	78	86	72	62	81	70	63	77	82	62	64	50	54	54	60	67	66	65	57	57	68	74	...	68.4
	Minimum	35	32	31	42	48	49	53	62	59	59	60	46	37	60	48	40	42	52	44	37	30	32	29	28	40	47	45	41	32	31	....	43.1
Union	Maximum	70	....	74	78	77	68	78	81	....	85	83	76	80	80	80	....	81	80	61	55	58	54	67	....	69	66	72	55	62	....	....	71.7
	Minimum	....	....	33	34	44	44	43	46	....	55	56	47	38	56	56	....	43	52	40	34	27	36	28	....	39	50	49	32	34	...	....	42.3
White Sulphur Spgs§	Maximum	61	71	65	64	72	74	72	76	76	71	66	71	70	55	60	60	60	43	43	42	41	43	53	62	58	58	54	65	61	74	....	61.5
	Minimum	34	28	37	41	41	45	45	52	51	60	56	....	....	51	39	....	42	39	36	....	34	22	26	....	....	45	33	27	27	32	....	39.2
Williamson§	Maximum	71	58	74	76	76	73	80	85	69	83	70	67	79	84	63	78	80	60	65	54	53	53	58	67	68	69	55	56	64	69	....	68.5
	Minimum	28	35	38	41	46	46	53	56	61	58	69	52	46	47	53	48	49	56	48	49	35	38	32	32	36	48	55	44	35	36	....	45.7

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

UNIVERSITY OF I... JUL ...

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXX. PARKERSBURG, W. VA., MAY, 1922. No. 5.

GENERAL SUMMARY.

May was considerably warmer than usual and the temperature conditions were generally favorable for germination and growth after the 1st. Heavy to killing frosts, with the temperature below freezing in the more elevated localities and only slightly above freezing in most of the agricultural districts, were general on the 1st. In a few of the mountain districts frosts also occurred on the 15th and 29th. The low temperature on the 1st caused considerable damage to fruit, although the greater part of fruit on low grounds was killed during the last week in April. The rainfall averaged slightly below the normal and was well distributed throughout the month, but was generally unfavorably distributed over the State. In many of the agricultural districts the amounts were considerably in excess, retarding germination and delaying farm work. However, there was no damage from flooding or washing. There were many complaints of fruit dropping, and at the close of the month wheat had commenced to rust in localities. Potatoes, oats, meadows, and pastures made excellent growth.

PRESSURE.

The mean sea-level pressure at Parkersburg and Elkins was 30.00 inches. The highest and lowest readings observed were as follows: Parkersburg, 30.41 inches on the 1st, and 29.32 inches on the 18th. Elkins, 30.43 inches on the 1st, and 29.27 inches on the 18th.

TEMPERATURE.

The monthly mean for the State, determined from 47 stations, was 63.7°. The departure from the normal for 42 stations having ten or more years of record was +1.8°. The month opened with low temperature, but the daily averages were generally somewhat to considerably above the normal from the 2d to the 4th, 9th to the 13th, and the 22d to the 27th, with the highest readings on the 23d and 24th. The temperature was near the normal or somewhat below on the 1st, 5-6th, 14-15th, 17-19th, and 28th-31st, with the lowest readings on the 1st.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 77 per cent; 8 p. m., 65 per cent. The May averages for the same hours for the past 32 years are 75 and 64 per cent, respectively. Elkins, 8 a. m., 82 per cent; 8 p. m., 64 per cent. The May averages for Elkins for the same hours for the past 21 years are 79 and 64 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 70 stations, was 3.67 inches. The departure from the normal for 48 stations having ten or more years of record was −0.22 inch. Rain fell daily in most localities from the 3d to the 6th, 10th to the 13th, 17th to the 21st, and the 25th to the 27th, the greatest amounts being recorded on the 12-13th, 18-19th, and 26th. On the 6th, 20th, and 21st, however, there were generally only light and scattered showers.

HAIL.

Light hail fell in sections of Raleigh County on the 20th and Mason and Wirt counties on the 25th.

WIND.

The average wind velocity at Parkersburg was 4.1 miles per hour, or 1.2 miles below the May average for 32 years The average at Elkins was 4.1 miles per hour, or 0.1 mile below the May average for 21 years. The highest velocity at Parkersburg was 22 miles per hour from the southeast on the 16th, and at Elkins 29 miles per hour from the southwest on the 19th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 54 per cent of the possible amount, or normal as compared with the May average for 24 years. The average at Elkins was 56 per cent, or 2 per cent below the May average for 23 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bancroft, 8th: Bayard, 21st; Brandywine, 20th; Cairo, 11th; Elkins, 22d; Fairmont, 5th and 17th; Glenville, 11th; Hinton, 20th; Marlinton, 14th, 15th, 16th, 20th, 23d, 24th, 25th, 28th, 29th, 30th, and 31st; Parkersburg, 6th; Romney, 21st, 22d, 23d, 24th, and 29th; St. Marys, 30th; Wheeling, 11th and 16th; Williamson, 15th and 22d.

Thunderstorms (dates and number of stations reporting): 4th, 5: 5th, 5; 6th. 2; 10th, 6; 11th, 2; 12th, 8; 13th, 2; 16th, 1; 17th, 1; 18th, 4; 19th, 2; 22d, 1; 24th, 2; 25th, 9; 26th, 2; 27th, 3.

COMPARATIVE DATA FOR MAY.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	57.2	......	......	3.18	......	......	......	......	......	......
1892	62.2	96	32	5.04	......	......	......	......	......	......
1893	59.5	92	30	4.51	6.41	1.83	......	12	9	10
1894	62.1	100	28	4.44	9.40	2.17	......	16	9	6
1895	61.6	105	20	2.60	6.31	0.79	......	12	11	8
1896	68.3	95	33	3.01	5.92	0.65	......	11	13	7
1897	57.6	90	23	4.60	7.06	2.17	......	13	10	8
1898	63.0	94	28	4.51	6.15	2.76	......	13	10	8
1899	64.1	96	35	5.17	7.68	3.17	......	11	11	9
1900	62.5	98	21	2.99	6.75	0.35	......	14	9	8
1901	61.8	96	21	6.15	8.88	2.50	......	11	10	10
1902	65.2	95	25	3.17	6.09	1.30	......	14	11	6
1903	64.3	95	20	3.03	6.24	0.80	T.	18	9	4
1904	61.8	98	25	3.55	5.80	1.54	T.	12	11	8
1905	64.2	96	26	4.95	7.96	1.90	0.0	12	10	9
1906	62.7	98	22	2.59	6.89	0.39	T.	15	9	7
1907	59.0	93	24	3.88	6.37	1.38	T.	12	10	9
1908	63.4	96	28	6.19	11.45	2.73	0.1	9	12	10
1909	60.8	93	21	3.82	6.05	1.80	0.1	14	9	8
1910	57.9	96	19	3.92	5.87	1.55	0.0	11	10	10
1911	66.0	100	22	1.46	6.35	0.03	0.0	20	8	3
1912	63.3	94	31	3.93	7.50	1.16	0.0	15	8	8
1913	61.6	95	19	5.16	8.86	1.89	0.0	14	8	9
1914	62.4	100	24	1.96	3.75	0.55	0.0	18	8	5
1915	61.1	92	29	4.22	6.85	2.56	0.0	10	9	12
1916	64.0	97	28	3.58	6.00	0.90	T.	14	9	8
1917	55.5	95	25	4.88	5.45	2.45	T.	11	8	12
1918	66.7	97	25	4.34	10.28	1.85	T.	15	9	7
1919	61.5	100	30	5.25	10.71	2.75	0.0	12	7	12
1920	58.9	95	24	2.76	6.97	1.08	T.	16	6	9
1921	61.4	96	24	4.48	10.67	2.12	T.	12	7	12
1922	63.7	94	26	3.67	5.83	1.55	0.0	14	7	10
Means and extremes	62.0	105	19	3.97	11.45	0.03	T.	13	10	8

Climatological Data for May, 1922.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	21	59.6	+ 2.8	82	24	26	1	52	3.28	-0.94	0.80	0	11	18	6	7	sw.	U. G. Clark.
Brandywine	Pendleton		6	62.5		85	12	38	29	41	3.75		1.20	0	9	18	3	10	s.	Elmer Keister.
Burlington	Mineral	875	28	62.8	+ 1.3	85	11	32	1	43	2.65	-1.04	0.85	0	7	10	17	4	w.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	33								3.86	+0.28	1.13	0	9					J. C. Newcomer.
Martinsburg	Berkeley	435	30	65.4	+ 2.3	90	11	38	1	38	4.11	+0.42		0	10	21	6	4	ne.	G. W. Van Metre, C. E.
Moorefield^{m}††	Hardy	900	26	66.2	+ 2.9	89	8†	32	1	48^{m}				0		10	3	5		M. S. Henkel.
Piedmont	Mineral	919	9	64.0		86	11	35	1	43	3.23		1.31	0	9	15	6	10	se.	C. A. Suter, Jr.
Romney	Hampshire	824	24	64.6	+ 1.6	84	11†	33	1	42	3.66	+0.03	1.25	0	8	16	8	7		Geo. E. Arnold.
Stony River Dam	Grant		2								2.82		0.86	0	7	8	6	17	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	23	62.1^{d}	+ 0.7	85^{d}	24	33^{d}	1	43^{d}	1.55	-1.63	0.50	0	7	15	2	14	w.	J. M. Mallow.
Wardensville	Hardy	1,200	4											0						Luther F. Sutton.
Averages and	extremes			63.0	+ 1.7	90	11	26	1	52	3.21	-0.48	1.31	0	9	15	7	9	w.	
Northern Division.																				
Bens Run	Pleasants	622	20	65.8	+ 2.6	90	24	38	1	42	4.28	-0.25	1.65	0	12	18	7	6		J. D. Riggs.
Bruceton Mills	Preston	1,549	2								2.69		0.53	0	11	3	19	9	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	25	63.6	+ 1.7	83	25	36	1	36	3.53	-1.07	0.47	0	10	17	5	9		H. A. Darnall.
Cairo	Ritchie	680	23	64.7	+ 0.9	90	24	33	1	46	4.21	+0.69	1.20	0	13	12	8	11		O. C. Hess.
Cheat Bridge	Randolph	3,558	4	57.0^{a}		81^{a}	24	32	15	47^{a}	4.96		1.47	0	13	15	3	13		H. F. Cromer.
Cortland	Tucker	3,300	11								2.40		0.62	0	6	11	16	4		G. W. Harmon.
Creston	Wirt	701	20	66.0	+ 2.5	91	9	36	1	46	4.39	+0.48	1.04	0	13	14	2	15	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	1								2.64		0.50	0	12				s.	Lockmaster.
Dam 12 O. R.	Ohio	614	6								2.64		0.94	0	13					Lockmaster.
Dam 13 O. R.	Ohio	605	6								2.85		0.80	0	11					Lockmaster.
Dam 15 Mon. R.	Monongalia	839	1								2.49		0.46	0	13				w.	Lockmaster.
Davis	Tucker	3,093	13								2.88	-1.27	0.66	0	14	13	10	8	e.	Ross C. Male.
Elizabeth	Wirt	646	10								5.83		1.58	0	9					E. D. Ball.
Elkins	Randolph	1,947	21	61.4	+ 2.3	84	24	34	1	40	3.25	-0.73	0.83	0	14	8	8	15	nw.	U. S. Weather Bureau.
Fairmont	Marion	883	16	64.2	+ 1.8	88	23†	35	1	41	2.52	-1.46	0.54	0	14	21	2	8	w.	Creed E. Bolyard.
Glenville	Gilmer	738	25	67.5	+ 4.0	94	23	33	1	50	4.32	+0.11	0.90	0	12	16	10	5	w.	Howard R. Brannon.
Grafton	Taylor	1,000	29	63.0^{a}	+ 0.9	88^{a}	9	32	1	47^{b}	2.65	-1.63	1.12	0	10	10	16	5	e.	W. C. Byers.
Lost Creek	Harrison	1,026	24	62.6	+ 1.5	87	24	30	1	45	5.78	+1.49	1.26	0	10	18	5	8	w.	Allen Smith.
Mannington	Marion	974	19	62.6	+ 1.6	85	24	31	1	45	3.94	-0.11	0.65	0	15	14	5	12	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	29	66.6^{b}	+ 4.1	90^{a}	24	38^{a}	27	37^{b}	1.80	-1.82	0.33	0	9	8^{a}	8^{a}	14^{a}	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	19	60.9^{d}		84	23	38^{d}	29	41^{d}	3.11	-0.19	1.21	0	14	17	7	7	sw.	G. W. Wright.
New Cumberland	Hancock	987	24	63.6	+ 1.9	90	24	34	1	43	3.33	+0.03	0.90	0	14	15	5	11		Geo. W. Derouin.
New Martinsville	Wetzel	634	28	65.6	+ 2.0	91	23†	35	1	45	3.80	+0.06	0.80	0	10	18	4	9	s.	Wm. Ankrom.
Parkersburg	Wood	638	35	66.0	+ 2.9	89	24	42	1	37	4.09	+0.63	1.27	0	16	9	8	14	se.	U. S. Weather Bureau.
Parsons^{a}	Tucker	1,656	22	62.2	+ 3.1	93	24	28	1	49	2.56	-1.34		0	10	14	6	10		J. W. Swisher.
Philippi	Barbour	1,149	25	64.0	+ 2.3	86	23†	39	1	37	4.33	-0.05	0.66	0	13	12	4	15	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	19	61.0^{a}	+ 2.2	85^{a}	9†	35	8	42^{a}	5.19	-0.14	1.12	0	10	13	8	10	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	35								2.67	-1.69	0.69	0	11					J. F. Pierce.
Saint Marys	Pleasants	577	13								2.13	-1.73	0.84	0	13				sw.	Wm. Hughes.
Smithfield	Wetzel	835	16	63.8	+ 2.8	89	12	31	1	47	5.01	+0.83	1.44	0	12	19	4	8	e.	G. M. Whisler.
Terra Alta	Preston	2,612	21																	N. F. Kidd.
Wellsburg	Brooke	1,225	21	63.8	+ 2.3	89	24	31	1	43	3.64	+0.16	1.18	0	10	16	7	8	w.	George P. Pfister.
Weston	Lewis	1,026	26	64.6	+ 1.5	86	23†	36	1	41	3.22	-1.09	0.54	0	10	13^{d}	7^{d}	7^{d}		Weston State Hospital.
Wheeling	Ohio	645	35	65.2	+ 2.3	94	24	34	1	47	3.04	-0.42	0.95	0	13	13	7	11	sw.	Miss M. B. Forsyth.
Averages and	extremes			63.7	+ 2.2	94	23†	28	1	50	3.52	-0.42	1.65	0	12	14	7	10	w.	
Southern Division.																				
Bancroft	Putnam	574	18	65.0	+ 1.1	87	11†	36	1	44	3.49	-0.74	0.63	0	15	12	5	14	se.	M. Frazier.
Beckley	Raleigh	2,440	22	61.4	+ 1.2	79	22†	32	1	35	2.87	-0.55	1.07	0	7	13	8	10	sw.	E. E. Phipps.
Bluefield	Mercer	2,558	27	63.8	+ 1.9	82	9†	35	1	35	2.36	-1.28	0.48	0	11	20	8	3		Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	7								4.90		1.20	0	6	19	0	12	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	19	68.0	+ 2.1	92	24	41	1	39	3.48	-0.56	0.65	0	13	15	4	12	e.	C. V. Lewis.
Clay	Clay	706	6								3.99		0.60	0	10					Mark King.
Cuba	Jackson	650	20	65.8	+ 2.5	96	25	30	1	49	3.85	+0.48	0.95	0	11	9	17	5	w.	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	6								4.12		0.97	0	16					Lockmaster.
Dam 20 O. R.	Wood	551	6								4.02		0.97	0	15					Lockmaster.
Dam 22 O. R.	Jackson	538	7								2.70		0.67	0	9					Lockmaster.
Dam 26 O. R.	Mason	505	6								3.33		0.50	0	11					U. S. Engineer Office.
Gary	McDowell	1,426	6	64.3^{a}		87^{a}	9†	35^{a}	1	43^{b}	4.63		1.10	0	13					U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	26	63.3	+ 1.9	85	22†	34	1	44	4.58	+0.92	0.62	0	11	13	4	14	w.	W. H. Gwinn.
Hinton	Summers	1,450	25	63.9	+ 0.1	88	9	38	1	42	3.68	-0.09	1.11	0	13	17	0	14	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	28	66.6	+ 1.7	88	24	41	1	34	3.38	-0.65	0.92	0	11	14	4	13	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	3								3.59		1.05	0	7					J. O. Brown.
Kayford	Kanawha	1,335	6								4.96		1.62	0	10					Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	22	61.6	+ 1.0	83	25	35	1	39	4.28	+0.64	1.17	0	9	15	8	8	s.	Geo. T. Argabate.
Logan	Logan	687	19								4.82									C. & O. R. R..
Marlinton	Pocahontas	2,131	23	56.0	- 2.0	78	9	26	1	44	5.19	+1.18	1.30	0	11	5	17	9	sw.	S. L. Brown.
[illegible]	Fayette		2								4.43		1.69	0	9					J. R. Bays.
Point Pleasant	Mason	553	29	66.7	+ 1.5	91	24	37	1	41	5.49	+1.63	1.42	0	13	11	7	13		W. D. Holmes.
Powellton	Fayette	933	26			92	24				5.15	+1.05	1.50	0	11	11	3	10		Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	6								4.63		0.90	0	15					Raleigh Coal & Coke Co.
Robertsburg	Putnam	574	22	65.7	+ 1.8	92	24	36	1	45	3.44	-0.16	0.65	0	11	14	4	13		E. C. Brace, Jr.
Ryan	Roane	700	19	63.7	+ 1.5	89	24	31	1	48	1.65	-2.05	0.43	0	10	15	6	10		Wm. E. Ryan.
Sharples	Logan		2																	C. E. Rippetoe.
Spencer††	Roane	781	18	65.2	+ 2.6	90	24	36	1	43	3.22	-0.48	1.02	0	11	10	11	10		A. M. McKown.
Sutton	Braxton	839	16	62.6	+ 2.7	86	9†	35	1	42	4.95	+0.46	0.75	0	12	19	0	12		C. B. Eakle.
Union	Monroe	2,250	18	63.0	+ 2.2	85	8†	30	1	44	3.56	+0.80	0.88	0	10					W. M. H. Young.
White Sulphur Springs	Greenbrier††	1,940	12	63.0		85	11	38	7†	45	3.34		1.20	0	13	23	3	5		J. M. Ayres.
Williamson	Mingo	660	22	65.4	0	84	23	40	1	34	5.54	+1.73	1.28	0	10	18	9	4	w.	J. F. Keyser.
Averages and	extremes			63.9	+ 1.3	92	21	26	1	49	4.01	+0.17	1.69	0	11	14	6	11	w.	
State averages and	extremes			63.7	+ 1.8	94	23	26	1	52	3.67	-0.22	1.69	0	11	14	7	10	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c appearing in the table indicate number of days missing; for example, b represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for May, 1922.

Stations.	Drainage-basin.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Potomac Division.																																	
Bayard	Potomac			.30	.80	.16	.17	T.			.07							.38	.50	.18	T.		.03				.32	.07					3.28
Brandywine	do			.50	.90	.05					T.			.05	.10			*	1.05	T.	.10		T.			T.	1.20						3.75
Burlington	do			.15	.40						.10			.50			.85	.60								T.	T.						2.65
Harpers Ferry ‖	do				.25	.51	.10					.08				.50			.85	1.15			.08				.36						[illegible]
Martinsburg	do			.15	.50	.10					.10		.03		.68	.03		*	2.20							.32							4.11
Moorefield	do			.20	.33	.40	.17											*	1.26	.15													†††
Piedmont	do			.14	.41	.06	.01				.16	T.						.89	1.31	.20							.05						3.23
Romney	do			.10	.55		.08				.55			.10	T.			1.25	1.00							.28							[illegible]
Stony River Dam ‖	do				.62	.18	.25												.75	.86							.10	.06					2.82
Upper Tract	do			.10	.25		.10											.50		.10						.10	.40						[illegible]
Wardensville ‖	do																																....
Northern Division.																																	
Bens Run	Ohio			.55	.06	.20					.20		.13	.04				.22	1.65	.23	.10					.80	.10						4.28
Bruceton Mills ‖	Monongahela			.21	.26	.02	T.	.19			.25			T.	T.	T.	T.	.48	.32	.39	.01					.53	.03						2.69
Buckhannon	do			.57	.35	.47	.05				.35		T.				.20	.45	.46	.44		T.					.40						3.53
Cairo	Little Kanawha			.35	.35	.27					.30	.05	.21	.05				.40	.59	.41	.01	.01					1.20						4.21
Cheat Bridge ‖	Monongahela			.18	.84	.10	.17				*			.16		*		.32	.28	.65	T.					1.47		.75	.04				4.96
Cortland ‖	do			.40	.62		.36											.30	.45							.27							2.40
Creston	Little Kanawha			.30	.43	.05	.20				.05	.05		.70				.40	.05	1.04			.04				.90	.20					[illegible]
Dam 10, Mon. R. ‖	Monongahela			.17	.36		.41	.06			.02	.13						.13	.21	.50	.15						.47	.03					2.64
Dam 12, O. R. ‖	Ohio			.02	.28	.55	.03	.10			.10	.13						.14	.12	.94	.05	.10					.08						2.64
Dam 13, O. R. ‖	do			.07	.28	.53	.27	.20										.14	.12	.80	.09	.10					.25						[illegible]
Dam 15, Mon. R. ‖	Monongahela			.02	.26	.41	.21				.01	.05						.12	.21	.46	.03					.21	.35	.09					2.49
Davis	do			.03	.62	.28	.40					.16		.09	.02		T.	.08	.10	.66	.01	.03					.31	.09					2.88
Elizabeth	Little Kanawha			.41	.30		1.28					.35		.49				.32		.90							1.58	.20					5.83
Elkins ***	Monongahela			.44	.58	.33	.01	.03			.12	T.	.64	T.			.01	.12	.59	.05		.11				.16	.06	T.					3.25
Fairmont	do			.06	.32	.24	.23				.05	.05		.17	T.			.12	.20	.45	.06	.03				T.	.42	.12					2.52
Glenville ‖	Little Kanawha			.10	.55	.22	.26	.08			.09	T.		.88				.39	.20	.90							.40	.25					4.32
Grafton	Monongahela			*	.56	.12		T.			.04			.05				*	.18	*	1.12						.58						2.65
Lost Creek	do			.32	.86	1.26					.39		.06					.31	.80	.47	T.	T.				T.	.44	.57					5.78
Mannington	do			.31	.59	.46	.04	.01			.16		.40					.32	.26	.65	.01	.02				.06	.61	.04					3.94
Morgantown	do			T.	.22	.17	.12	T.			.14							.32	.11	.33						.07	.32						1.80
Moundsville ‖	Ohio			.12	.36	.29	.32	.11			.16	.04			.05			.16	.11	1.21	.04	.02					.12						3.11
New Cumberland ‖	do			.33	.33	.03	.01	.12			.31	.06			T.			.11	.13	.90	.27	.03				.09	.61						3.33
New Martinsville	do			.40	.10	.60					.55							.30	.65	.80						.10	.29	.10					3.80
Parkersburg ***	Ohio			.39	.19	.37	T.			.01	.27	.04	.56	.34		T.	.01	.19	.37	.02	.03	.03				.47	.80						4.09
Parsons	Monongahela			*	*	*					.55		*					*	*				*		*			2.00					2.56
Philippi	do			.57	.23	.28	.08				.12		.33			.08	.36	.45	.63		.66						.52	.02					4.33
Pickens	do			.40	1.12	.62					.46		.07	.50				.20	.85	.27							.70						5.19
Rowlesburg ‖	do			.03	.56	.60	.10	.03						T.				.21	.22	.69	.05						.14	.04					2.67
Saint Marys ‖	Ohio			.20	.20	.02	.05				.05	.10		.10			T.	.10	.11	.18	.08	T.					.84	.10					2.13
Smithfield	Fishing Creek			.11	.53	.61	.25							.72				.22	.15	.85	.07	.04					1.44	.02					5.01
Terra Alta	Monongahela																																....
Wellsburg	Ohio			.27	.13		T.	.16			.60							.30	.17	1.15	.03					.77	.03						3.64
Weston	Monongahela			.37	.35	.54					.15		.05					.37	.37	.44		.05					.53						3.22
Wheeling ‖	Ohio			.02	.28	.93	.04	.14			.09	.20			T.			.12	.12	.90	.05	.09					.06						3.04
Southern Division.																																	
Bancroft ‖	Great Kanawha			.43	.62	.05	.13				.16	.24	.01	.30	.08			.27	.02	.37						.03	.06	.63					3.40
Beckley	do			.38	1.07	.07				.29	.51		.26					.29															2.87
Bluefield	do			.26	.48	.28							.02	.14				.40	.44	.29	.01			.02				.02					2.36
Camden-on-Gauley ‖	do			.10	1.00	.80					1.05								1.26									.80					4.90
Charleston ‖	do			.65	.40	.30	T.	.10				.18	.04	.25				.42	.06	.60	.10						.08	.30					3.48
Clay	do			.54	.52	.20	.23					.60			.30			.56	.10	.60								.40					3.99
Cuba	Sand Creek			.55	.40	.60	T.				.25		.10			.20	.15	.25	.20	.20	T.					T.	.95						3.85
Dam 19 O. R. ‖	Ohio			.32	.36	.41	.32	T			.18	.32		.16			.03	.16	.04	.36	.02	.04	.03				.97	.10					4.12
Dam 20 O. R. ‖	do			.35	.25	.05	.30				.28	.22	.02	.97				.15	.04	.22			.22			.01	.71	.23					4.02
Dam 22 O. R. ‖	do			.28	.35	.15	.67				.20			.15				.20	T.	.45								.25					2.70
Dam 26 O. R. ‖	do			.50	.30	.15	.50				.40	.10		.10				.35		.42							.23	.30					3.33
Gary	Big Sandy			.35	.96	.11	.36					.15		1.10	.05			.30	.07	.65	.03		.47			.03							4.63
Green Sulpr. Spgs.	do			.40	.62	.41						T.	.47	.12				.60	.62	.51							.37	.20			.26		4.58
Hinton	do			.40	.54	.14	.24				.06	.10		.38	T.			.40	.16	1.14			.02				.08	T.	.02				3.68
Huntington ‖	Ohio			.44	.35	.02	.12				.12	.46	.22	.70				.18	T.	.30								.44					3.38
Kanawha Falls ‖	Great Kanawha			.40	1.05	T	.16					T.		.68				.30		.80	T.						.20	T.					3.59
Kayford ‖	do			.36	1.62	.37	T.				T.	.48	T.	.82	.07			.67	T.	.41						T.	.09	.07					4.96
Lewisburg	do			.46	.61	.32											.18	.33	1.17	.38							.45	.38					4.28
Logan	Guyandotte		.81		1.30	.80	.46					T.	.81	.31	.12	.21		T.	T.	T.	T.	T.											4.82
Marlinton	Great Kanawha			.56	.74	.38					.54			.34				.16	.40	.70		T.	.35				.54	.48					5.19
Miller	Meadow Creek			.32	1.69	.20					.37		.12		.35			.16		.69								.53					4.43
Point Pleasant	Ohio			.47	.61	.54					.54		.67		.04		.02	.54	.44	.10	.04					1.42	.26						5.49
Powellton	Great Kanawha			.32	1.50	.33						.40	.70	.53				.40	.25	.20							.50	.05					5.15
Raleigh	do			.44	.88	.22	.48	T.				.12	.11	.78	.04	T.		.26	.05	.90	.02						.19	.14	.02				4.63
Robertsburg ‖	do			.34	.25		.43				.15	.61		.65	.02			.15		.47							.20	.17					3.44
Ryan	do			.43	.22	.04					.12		.20					.03	.20	.15		.07				T.	.19						1.65
Sharples ‖	Coal River																																....
Spencer	Little Kanawha			.45	.30	.04	.12				.17	T.		.32	.08			.38	1.02		T.	T.					.17	.17					3.22
Sutton	Great Kanawha			.75	.45	.54					.58		.22	.38			.10	.62	.40	.36					.25		.30						4.95
Union	do				.13	.77	.24				.31		.06	.18				.45	.88	.10								.44					3.56
White Sulpr. Spgs. ‖	do			.08	.54	.44					.01	T.	.02	.01			.16	.10	1.20				.10				.06	.30				.32	3.34
Williamson ‖	Big Sandy			.35	.52	1.02	.18					T.	1.28	1.28				.04	T.	.72							.12	T.	.03				5.54

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

††† Probably incomplete.

Daily Temperatures for May, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	78	78	78	68	69	71	69	75	81	80	80	77	73	71	71	72	72	64	65	65	72	80	80	82	81	77	72	71	78	78	80	74.5
	Minimum	26	36	43	52	45	52	55	35	34	47	50	54	58	40	37	37	51	45	48	50	47	45	43	46	47	58	56	44	33	35	38	44.7
Brandywine	Maximum	75	80	70	72	70	76	75	80	79	80	83	85	78	79	78	72	65	70	69	75	78	83	84	83	82	75	74	72	78	77	76	76.5
	Minimum	40	39	45	55	49	54	55	60	40	50	50	54	45	44	40	39	54	55	49	39	49	51	52	52	50	60	60	45	38	41	45	48.5
Burlington	Maximum	75	79	70	71	72	76	76	77	78	76	85	77	77	76	79	68	67	67	70	74	76	79	81	84	83	75	76	71	78	81	78	75.9
	Minimum	32	43	50	52	51	55	62	42	40	52	52	55	49	45	45	55	57	56	48	45	53	49	53	51	52	64	59	44	41	43	46	49.7
Martinsburg§	Maximum	72	83	67	68	74	77	80	79	78	78	90	79	78	77	73	81	61	66	73	76	80	82	85	87	88	79	74	74	81	83	82	77.6
	Minimum	38	45	46	57	45	59	59	55	49	54	57	63	52	56	52	48	54	54	55	48	52	56	57	58	57	64	60	48	48	49	52	53.1
Moorfield	Maximum	80	83	81	76	75	80	79	89	89	83	88	....	....	75	80	....	....	82	74	81	....	84	....	85	....	....	....	....	....	....	....	81.3
	Minimum	32	46	55	60	55	55	62	44	42	54	57	....	....	51	48	....	....	45	54	49	....	52	....	57	....	....	....	....	....	....	....	51.0
Piedmont	Maximum	78	81	72	70	75	77	74	79	79	76	86	83	77	76	77	80	73	66	68	71	78	80	83	85	84	77	76	74	80	82	80	77.3
	Minimum	35	45	47	46	51	55	54	44	49	53	52	58	54	52	48	46	51	55	52	57	53	50	53	52	54	62	59	48	44	45	48	50.8
Romney	Maximum	75	80	80	71	70	77	78	79	79	79	84	84	80	79	70	73	74	66	70	75	82	82	82	84	83	83	78	73	80	80	80	77.7
	Minimum	33	47	56	50	64	55	60	44	41	52	53	62	54	51	45	47	54	55	52	45	52	53	52	52	54	64	62	43	41	44	64	51.6
Upper Tract	Maximum	75	77	78	68	69	....	78	79	81	81	....	80	81	79	71	....	76	76	79	79	79	79	....	85	84	75	74	72	83	82	76	77.7
	Minimum	33	48	48	57	57	....	47	41	39	40	....	50	51	49	43	....	42	43	46	46	47	47	....	51	51	60	50	44	40	40	46	46.5
Northern Division.																																	
Bens Run	Maximum	77	81	72	74	66	74	73	79	89	82	84	86	71	76	76	82	66	69	65	69	77	84	88	90	83	74	80	79	81	87	83	78.0
	Minimum	38	44	55	58	52	51	59	45	47	62	60	59	55	49	47	51	57	52	54	54	56	53	55	59	55	64	61	51	51	53	55	53.6
Buckhannon	Maximum	72	75	70	70	78	72	68	71	80	80	77	81	76	70	72	77	67	68	63	69	73	78	79	81	83	78	73	72	74	78	80	74.4
	Minimum	36	44	54	58	53	55	50	43	45	62	58	59	60	59	44	47	55	51	53	53	58	55	53	55	60	63	60	49	44	49	50	52.7
Cairo	Maximum	77	80	73	72	72	75	74	79	88	85	83	85	72	75	76	81	71	69	68	73	75	83	89	90	83	76	79	78	82	85	83	78.5
	Minimum	33	41	55	56	52	50	56	40	42	61	58	56	56	47	43	45	52	50	53	51	54	50	50	56	61	63	61	47	45	46	49	50.9
Creston	Maximum	80	80	77	78	74	75	73	83	91	85	83	83	74	76	76	81	65	69	68	72	77	83	87	90	87	81	78	80	83	88	85	79.4
	Minimum	36	46	56	57	53	52	56	41	45	61	57	59	60	49	46	48	57	50	54	50	54	53	53	59	60	63	61	49	47	49	51	52.6
Elkins	Maximum	73	76	69	68	65	72	70	74	82	77	77	80	71	69	69	77	59	66	64	69	71	78	83	84	78	69	74	73	77	81	78	73.3
	Minimum	34	42	52	54	51	54	54	40	42	56	55	56	52	46	41	43	54	48	51	53	51	52	51	55	52	61	55	46	40	44	46	49.4
Fairmont§	Maximum	76	78	69	68	71	74	73	75	82	78	82	82	74	70	75	80	61	68	63	68	75	82	88	88	87	75	76	77	80	83	81	76.1
	Minimum	35	43	54	59	50	54	57	43	46	56	59	59	51	50	47	48	55	51	51	53	55	50	54	60	61	62	60	50	48	50	53	52.4
Glenville	Maximum	81	83	80	80	74	79	77	86	93	90	87	87	73	75	80	85	86	71	70	75	78	87	94	93	93	87	84	83	86	90	93	83.0
	Minimum	33	42	54	57	54	52	61	41	43	62	57	57	60	48	44	46	56	52	53	50	54	55	52	57	56	62	64	45	47	50	48	52.0
Grafton§	Maximum	75	73	70	73	73	69	74	80	88	72	77	82	71	71	71	83	71	68	68	72	....	77	77	80	78	76	78	79	78	81	81	75.6
	Minimum	32	40	51	56	51	54	56	40	41	58	58	57	52	48	44	45	57	51	51	51	54	....	48	48	57	62	62	47	43	47	50	50.4
Lost Creek	Maximum	75	78	75	72	71	72	70	73	82	80	80	81	71	72	74	79	69	67	65	70	72	79	85	87	83	75	75	76	80	83	82	75.9
	Minimum	30	39	51	57	48	50	58	37	41	59	54	56	56	45	40	42	59	48	51	52	51	46	45	54	55	61	62	46	39	44	46	49.2
Mannington	Maximum	76	79	74	69	69	74	72	72	84	78	82	82	72	72	73	77	73	68	63	68	73	78	84	85	80	73	75	74	77	80	79	75.3
	Minimum	31	37	51	55	49	52	52	39	42	58	55	55	50	46	44	41	57	50	52	53	56	48	50	55	58	62	60	46	45	46	48	50.0
Morgantown	Maximum	78	83	77	72	75	74	71	....	85	81	83	81	72	80	77	84	63	72	71	69	77	80	88	90	84	76	77	78	82	85	82	78.2
	Minimum	43	57	61	60	52	56	56	....	48	60	60	62	53	52	50	....	50	56	53	56	59	54	63	65	64	62	38	49	48	52	58	55.1
New Cumberland§	Maximum	77	80	68	69	77	76	69	71	83	77	84	78	71	73	74	79	65	73	59	64	76	79	84	90	81	77	80	80	83	85	83	76.3
	Minimum	34	40	49	57	52	51	57	45	45	55	56	56	47	46	44	47	50	41	54	53	55	52	53	56	60	63	55	48	53	52	52	51.0
New Martinsville	Maximum	80	83	77	75	71	75	74	77	89	81	85	84	76	77	80	89	73	71	66	71	80	84	91	91	88	77	81	81	84	87	83	79.7
	Minimum	35	41	52	56	50	50	50	41	45	60	60	58	53	46	46	46	56	50	52	54	55	52	52	56	63	62	58	48	48	49	52	51.5
Parkersburg	Maximum	76	79	73	74	63	75	72	74	88	84	83	82	69	75	73	79	64	67	66	72	73	80	88	89	83	73	76	75	79	83	82	76.4
	Minimum	42	51	59	60	55	48	56	47	51	61	60	60	57	51	49	52	58	54	54	55	57	55	57	64	65	64	63	56	53	53	58	55.7
Parsons	Maximum	77	80	70	70	76	80	73	81	85	85	82	85	82	75	82	83	61	70	72	76	75	86	91	93	75	78	79	75	81	87	....	78.8
	Minimum	28	38	47	53	51	51	53	36	48	51	53	53	54	42	35	39	46	46	47	47	46	47	50	49	47	48	47	42	36	39	....	45.7
Philippi	Maximum	74	77	72	70	72	82	70	72	83	80	80	80	72	68	78	62	68	65	70	68	80	82	86	86	81	74	73	75	79	83	82	75.6
	Minimum	39	49	56	55	51	57	58	42	46	59	56	59	55	47	44	54	49	19	52	54	50	53	57	60	58	60	61	46	45	51	52	52.4
Pickens	Maximum	75	77	65	65	65	79	73	77	85	79	79	81	64	72	71	78	64	75	62	62	72	81	85	83	80	70	....	76	77	84	79	74.5
	Minimum	37	45	53	52	48	49	54	35	45	56	55	56	48	42	38	42	49	45	45	45	47	45	45	59	59	57	....	47	39	42	49	47.6
Terra Alta	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Wellsburg	Maximum	73	81	73	71	76	76	70	75	84	79	83	80	72	75	77	80	69	72	64	64	78	81	87	89	82	76	81	79	85	87	85	77.5
	Minimum	31	40	50	58	52	54	48	37	41	57	51	56	45	46	48	50	58	53	54	54	57	49	50	52	60	61	51	47	45	48	48	50.0
Weston	Maximum	77	80	80	72	70	75	71	75	81	84	81	84	69	72	74	81	67	65	66	71	73	82	86	86	83	78	79	76	79	83	82	76.9
	Minimum	36	45	55	58	52	53	60	41	45	60	57	59	60	49	41	46	56	51	52	51	55	53	53	51	58	63	63	48	44	49	50	52.3
Wheeling§	Maximum	81	85	71	72	75	79	76	77	80	77	89	84	74	80	80	82	65	75	64	67	83	84	92	94	85	79	82	83	87	92	86	80.0
	Minimum	34	38	35	58	52	42	52	42	41	52	59	59	50	46	45	48	49	55	50	53	55	52	52	55	64	65	58	48	50	50	52	50.4
Southern Division.																																	
Bluefield	Maximum	70	71	68	69	68	73	76	80	82	80	80	79	70	73	71	72	66	62	68	73	79	80	82	82	79	77	76	80	78	80	78	74.9
	Minimum	35	53	56	56	53	52	45	48	54	53	55	61	52	51	42	50	50	54	47	46	47	48	56	62	60	60	60	60	55	61	51	52.7
Charleston	Maximum	80	82	77	79	78	81	80	78	89	89	79	82	80	85	78	79	70	68	70	72	83	89	90	92	90	89	89	88	84	87	88	82.1
	Minimum	41	48	59	59	52	50	55	57	59	57	59	59	52	50	47	49	50	52	47	50	52	53	58	60	62	65	65	56	54	52	51	53.9
Gary§	Maximum	74	77	75	71	66	76	78	83	87	84	80	82	73	72	75	76	68	64	71	80	84	86	87	83	79	....	80	80	81	77	76	77.5
	Minimum	35	47	52	58	54	49	54	43	44	55	56	59	60	49	43	50	54	52	49	43	47	55	56	57	62	61	....	43	42	47	56	51.1
Green Sulphur Spgs.	Maximum	73	74	77	78	79	80	82	82	84	84	82	82	71	75	75	75	62	60	70	75	80	85	85	83	82	82	80	73	80	79	80	77.7
	Minimum	34	47	52	53	54	53	46	49	40	58	57	58	58	49	39	47	54	50	49	40	46	46	51	54	53	52	50	50	40	40	47	48.9
Hinton§	Maximum	78	80	72	68	65	78	80	85	88	87	82	82	72	76	75	76	59	60	70	78	80	84	84	83	82	78	78	72	77	79	76	76.9
	Minimum	38	43	47	58	55	51	51	43	46	50	58	59	60	52	43	49	53	53	50	41	45	52	54	58	54	60	64	54	45	45	45	50.9
Huntington§	Maximum	75	75	71	75	68	73	75	75	84	82	78	85	71	71	76	76	68	63	69	76	80	81	85	88	81	72	79	76	78	81	82	76.7
	Minimum	41	48	60	60	57	57	59	46	50	57	60	61	63	56	50	55	60	55	55	55	58	57	58	65	67	66	66	53	52	52	55	56.6
Lewisburg	Maximum	71	75	67	70	65	73	73	78	82	79	80	80	70	73	71	75	57	59	67	73	78	82	83	81	79	76	77	70	74	78	74	73.9
	Minimum	35	46	54	56	49	57	57	39	47	58	52	60	57	44	38	45	52	52	48	40	44	50	52	57	49	62	59	48	41	42	46	49.4
Marlinton	Maximum	68	70	66	61	60	68	72	74	78	76	74	76	64	68	66	70	56	58	60	64	68	74	76	74	72	70	70	64	70	72	70	68.8
	Minimum	26	36	48	46	42	46	46	32	34	50	50	50	50	41	32	44	50	48	41	34	40	44	46	48	44	58	54	38	36	38	40	43.2
Point Pleasant	Maximum	81	80	77	77	70	76	76	80	90	90	84	87	77	76	79	80	69	66	69	76	82	84	87	91	87	75	81	79	82	84	84	79.9
	Minimum	37	49	58	59	54	48	56	42	46	61	58	59	59	51	46	51	57	51	53	54	55	52	53	62	62	63	62	50	49	49	52	53.5
Powellton	Maximum	82	85	76	74	70	....	....	84	90	....	85	84	79	....	78	....	83	75	72	78	....	82	89	92	88	79	80	....	86	88	82	81.7
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Robertsburg§	Maximum	81	81	75	77	70	74	74	75	90	84	81	82	72	75	77	68	73	65	69	75	79	85	90	92	86	77	80	83	85	87	83	78.9
	Minimum	36	49	54	58	52	49	51	42	45	54	56	58	60	53	45	49	49	52	53	49	55	54	53	61	63	64	63	51	49	49	50	52.5
Ryan	Maximum	79	79	72	74	64	75	76	78	88	85	83	82	73	73	77	79	79	68	67	73	78	82	86	89	82	76	80	77	82	82	82	78.1
	Minimum	31	44	56	55	48	46	50	38	42	50	52	56	58	49	40	48	52	51	50	43	51	49	49	58	57	60	60	44	48	43	46	49.
Spencer§	Maximum	79	85	80	75	66	74	75	80	88	85	81	84	71	74	75	80	61	65	68	72	75	84	87	90	82	77	79	76	80	84	80	77.
	Minimum	36	48	57	58	52	49	53	41	45	65	55	60	61	50	45	48	50	55	50	50	54	55	53	57	62	63	64	50	46	47	50	52.
Union	Maximum	71	78	73	67	66	71	82	85	85	85	82	82	75	....	76	77	70	61	68	75	....	83	84	82	83	80	75	....	71	86	80	76.
	Minimum	30	45	54	51	48	51	40	48	47	57	55	58	58	....	39	46	52	49	48	40	....	44	51	57	51	60	59	....	40	42	49	49.
White Sulphur Spgs§	Maximum	77	70	71	71	74	79	83	81	83	81	85	78	78	77	77	60	62	71	72	82	83	84	82	83	79	75	71	75	78	73	75	76.
	Minimum	44	53	54	50	51	55	38	44	56	51	55	55	47	38	43	54	51	49	39	41	48	53	57	42	61	61	52	39	39	46	61	49
Williamson§	Maximum	71	76	75	71	66	71	75	76	83	81	76	80	73	70	74	75	68	65	70	74	78	81	84	83	80	78	78	79	76	78	79	75.
	Minimum	40	42	54	52	52	53	55	50	51	55	63	61	63	56	49	50	56	56	55	59	55	58	59	63	64	66	66	60	50	50	53	55.

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§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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UNIVERSITY OF ILLI
AUG

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXX. PARKERSBURG, W. VA., JUNE, 1922. No. 6.

GENERAL SUMMARY.

June was considerably warmer and wetter than usual, with the rainfall unfavorably distributed The amounts received over the central and west-central counties were much above the normal, while over the eastern and south-eastern counties the conditions were generally droughty. The month was also characterized by excessive local rains. Excessive rain fell near Dunmore, Pocahontas County, on the 4th, and at Sistersville, Wetzel County, on the 8th, causing considerable damage to crops. On the 11th and 17th excessive rain also fell in many localities of the west-central counties, causing floods in the smaller streams and much damage to crops. The streams were especially high in sections of Jackson and Roane counties on the 11th, causing considerable damage to roads and bridges. High winds on the 11th and 12th, attending thunderstorms, also caused some damage to crops and roofs in sections of Ritchie, Lewis, and Randolph counties. In most localities crops made good growth during the month and were in good condition at the close of the month. The yield of wheat was unsatisfactory, however, owing to cold weather in the spring.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.01 and 30.00 inches, respectively. The highest and lowest readings were observed as follows: Parkersburg, 30.24 inches on the 24th, and 29.67 inches on the 11th. Elkins, 30.27 inches on the 24th, and 29.67 inches on the 11th.

TEMPERATURE.

The monthly mean for the State, determined from 47 stations, was 70.7°. The departure from the normal for 41 stations having ten or more years of record was +1.8°. The month opened with the temperature near normal, but moderately warm weather prevailed from the 3d to the 11th, on the 16-17th, and from the 28th to the close of the month, with the highest temperatures occurring generally on the 17th and 30th. Cool weather prevailed on the 13th and 22-23d. A light frost was observed at Bayard, Grant County, on the 22d, and in sections of Grant, Hancock, Monroe, and Randolph counties on the 23d. A light frost also occurred in sections of Hancock County on the 26th. No damage of consequence resulted.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 80 per cent; 8 p. m., 70 per cent. The June averages for the same hours for the past 32 years are 78 and 68 per cent, respectively. Elkins, 8 a. m., 89 per cent; 8 p. m., 81 per cent. The June averages for Elkins for the same hours for the past 22 years are 84 and 73 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 71 stations, was 4.66 inches. The departure from the normal for 50 stations having ten or more years of record was +0.45 inch. Most of the rainfall was received from the 2d to the 5th, 8th to the 12th, and on the 16-17th, 20th, and 27-28th. Scattered showers also fell in the southern counties on the 25th and 26th. The heaviest rain was received on the 11th, 16-17th, and 27-28th.

HAIL.

Light hail fell in sections of Barbour, Gilmer, and Wirt counties on the 11th, in Ritchie County on the 11th and 17th, Webster County 11th and 28th, and in Berkeley and Wood counties on the 17th.

Moderate hail, doing apparently only slight damage, fell in sections of Pocahontas County on the 4th, Randolph County on the 17th, and in Wetzel County on the 11th and 20th.

WIND.

The average wind velocity at Parkersburg was 4.3 miles per hour, or 0.3 mile below the June average for 32 years The average at Elkins was 3.9 miles per hour, or 0.5 mile above the June average for 23 years. The highest velocity at Parkersburg was 36 miles per hour from the northwest on the 11th, and at Elkins 25 miles per hour from the northwest on the 11th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 55 per cent of the possible amount, or 3 per cent below the June average for 24 years. The average at Elkins was 46 per cent, or 6 per cent below the June average for 23 years.

MISCELLANEOUS PHENOMENA.

Thunderstorms (dates and number of stations reporting): 2d, 2; 3d, 2; 4th, 11; 5th, 3; 8th, 3; 9th, 3; 10th, 4; 11th, 10; 12th, 10; 15th, 1; 16th, 6; 17th, 14; 18th, 6; 19th, 2; 20th, 1; 21st, 4; 26th, 4; 27th, 10; 28th, 14.

COMPARATIVE DATA FOR JUNE.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	71.2	......	......	5.02						
1892	74.1	99	41	3.90	......	......	......	......	......	......
1893	70.2	99	40	3.81	6.41	1.83	......	13	10	7
1894	70.4	103	32	3.27	6.78	1.25	......	16	10	4
1895	72.1	102	38	2.92	5.66	1.20	......	15	10	5
1896	69.8	95	30	5.35	9.86	0.11	......	8	14	8
1897	69.3	96	35	4.31	6.77	1.31	......	12	12	6
1898	70.9	99	41	3.21	7.50	0.66	......	14	11	5
1899	72.0	98	35	4.99	8.93	1.46	......	14	9	7
1900	71.2	98	41	5.30	15.62	2.49	......	9	12	9
1901	70.7	104	32	5.67	11.10	1.37	......	12	12	6
1902	68.0	100	33	5.19	8.49	2.45	......	11	13	6
1903	65.1	93	34	4.80	12.30	2.01	......	8	11	11
1904	69.5	97	36	4.20	8.29	2.05	......	10	13	7
1905	70.6	100	34	4.38	7.72	1.74	......	13	11	6
1906	70.9	101	38	5.25	9.32	2.84	......	11	12	7
1907	65.3	97	33	6.00	11.95	1.93	......	10	11	9
1908	69.2	98	36	3.12	6.75	1.35	......	15	10	5
1909	71.1	101	35	5.73	9.19	2.47	......	9	13	8
1910	66.6	96	32	5.67	11.27	1.52	......	10	10	10
1911	70.7	101	40	4.44	9.34	1.88	......	14	10	6
1912	67.3	95	29	4.27	9.21	1.11	......	13	10	7
1913	69.5	99	29	3.14	6.55	0.86	......	18	8	4
1914	72.0	100	30	3.00	6.60	0.62	......	15	11	4
1915	67.7	95	33	3.63	7.09	1.21	......	15	8	7
1916	65.8	94	35	5.42	14.54	2.50	......	14	8	8
1917	67.7	99	31	3.81	6.58	1.38	......	14	9	7
1918	68.2	99	34	4.17	10.11	0.87	......	16	7	7
1919	73.0	100	40	5.06	10.15	1.67	......	16	8	6
1920	67.9	98	36	5.01	9.70	2.53	......	13	7	10
1921	72.4	101	38	4.01	8.67	0.47	......	15	9	6
1922	70.7	97	33	4.66	7.95	1.75	......	12	9	9
Means and extremes	69.7	104	29	4.47	15.62	0.11	......	13	10	7

Climatological Data for June, 1922.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	21	66.2	+2.9	88	16	36	23	45	2.87	-2.03	0.93	0	11	15	12	3	w.	U. G. Clark.
Brandywine	Pendleton	...	6	70.1	...	92	25	43	23	42	2.75	...	0.65	0	9	11	14	5	sw.	Elmer Keister.
Burlington	Mineral	875	28	70.0	+1.7	93	25	44	23	41	2.58	-1.39	0.64	0	6	9	16	5	w.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	33	...	...	...	...	...	...	...	4.66	+0.84	2.40	0	8	...	...	...	...	J. C. Newcomer.
Martinsburg	Berkeley	435	30	75.0	+4.4	96	25	52	13	35	4.08	-0.28	1.81	0	7	16	9	5	s.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	M. S. Henkel.
Piedmont	Mineral	919	9	71.2	...	92	17	44	23	41	1.88	...	0.36	0	10	10	14	6	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	24	71.0	+1.1	91	25	44	23	40	3.23	-0.89	1.05	0	8	6	19	5	...	Geo. E. Arnold.
Stony River Dam	Grant	...	2	...	...	...	...	...	...	...	3.67	...	0.86	0	10	2	9	19	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	23	69.6[a]	+1.7	91[a]	16†	45[a]	13†	46[a]	1.75	-2.44	0.75	0	8	17	4	9	w.	J. M. Mallow.
Wardensville	Hardy	1,200	4	...	...	...	...	...	...	...	...	...	...	0	...	...	...	...	...	Luther F. Sutton.
Averages and	extremes	...	...	70.4	+2.4	96	25	36	23	46	3.05	-1.03	2.40	0	9	11	12	7	w.	
Northern Division.																				
Bens Run	Pleasants	622	20	72.6	+2.3	91	30	48	22	36	3.14	-1.38	1.20	0	8	18	9	3	...	J. D. Riggs.
Bruceton Mills	Preston	1,549	2	...	...	...	...	...	...	...	5.44	...	1.50	0	9	1	20	9	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	25	70.0	+1.4	86	17†	46	23	30	6.04	+1.15	1.20	0	13	16	9	5	...	H. A. Darnall.
Cairo	Ritchie	680	23	71.6	+1.1	92	30	48	23†	40	5.46	+0.65	1.70	0	9	8	14	8	...	O. C. Hess.
Cheat Bridge	Randolph	3,558	4	64.0[a]	...	92[a]	7	33	23	55[a]	6.42	...	1.34	0	15	10	5	15	...	H. F. Cromer.
Cortland	Tucker	3,300	11	...	...	...	...	...	...	...	3.53	...	1.00	0	6	8	20	2	...	G. W. Harmon.
Creston	Wirt	701	20	73.2	+2.6	95	17	45	23	42	5.35	+1.08	1.52	0	10	13	6	11	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	1	...	...	...	...	...	...	...	5.61	...	1.64	0	14	...	...	...	s.	Lockmaster.
Dam 12 O. R.	Ohio	614	6	...	...	...	...	...	...	...	5.31	...	1.80	0	11	...	...	...	...	Lockmaster.
Dam 13 O. R.	Ohio	605	6	...	...	...	...	...	...	...	4.45	...	1.10	0	12	...	...	...	...	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	1	...	...	...	...	...	...	...	4.19	...	0.86	0	11	...	...	...	...	Lockmaster.
Davis	Tucker	3,093	13	...	...	...	...	...	...	...	3.35	-1.57	0.82	0	14	11	7	12	w.	Ross C. Male.
Elizabeth	Wirt	646	10	...	...	...	...	...	...	...	5.82	+2.00	2.25	0	11	...	...	...	...	E. D. Ball.
Elkins	Randolph	1,947	21	67.8	+1.2	89	30	42	23	38	7.40	+2.36	1.79	0	14	3	12	15	nw.	U. S. Weather Bureau.
Fairmont	Marion	883	16	70.8	+0.5	88	17†	40	23	39	4.29	-0.20	0.85	0	12	18	4	8	w.	Creed E. Bolyard.
Glenville	Gilmer	738	28	74.4	+3.6	97	30	46	23	40	7.95	+3.48	1.76	0	11	15	11	4	w.	Howard R. Brannon.
Grafton	Taylor	1,000	29	69.8[a]	+0.6	94[a]	30	44[a]	23	42[b]	6.55	+2.03	1.65	0	10	4[a]	20[a]	5[a]	e.	W. C. Byers.
Lost Creek	Harrison	1,026	24	69.6	+1.8	90	30	39	23	40	7.25	+2.06	2.19	0	13	11	11	8	w.	Allen Smith.
Mannington	Marion	974	19	69.2	+1.1	86	17†	40	23	37	4.38	+0.16	1.15	0	11	11	9	10	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	29	71.6	+2.5	90	30	44	23	37	5.17	+0.63	1.55	0	8	3	10	17	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	19	...	...	83	30	...	...	...	4.51	+1.03	1.01	0	16	23	7	0	nw.	G. W. Wright.
New Cumberland	Hancock	987	24	71.2	+3.3	93	24	43	23	43	2.97	-1.70	1.07	0	12	13	11	6	...	Geo. W. Derouin.
New Martinsville	Wetzel	634	28	72.2	+0.8	94	30	44	23	41	6.33	+2.24	1.50	0	11	17	9	4	s.	Wm. Ankrom.
Parkersburg	Wood	638	35	72.2	+0.8	92	17	49	23	34	5.06	+0.41	1.41	0	10	9	8	13	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	22	70.6[e]	+4.5	94[e]	25†	42[e]	13	51[f]	5.99	+0.75	...	0	...	12[e]	6[e]	7[e]	...	J. W. Swisher.
Philippi	Barbour	1,149	25	70.8	+2.4	89	30	46	23	31	6.94	+2.42	1.98	0	13	12	4	14	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	19	67.2	+2.1	89	16	38	23	43	7.42	+1.31	1.76	0	14	13	9	8	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	35	...	...	...	...	...	...	...	4.00	-1.02	0.83	0	12	...	...	...	w.	J. F. Pierce.
Saint Marys	Pleasants	577	13	...	...	...	...	...	...	...	6.01	+2.24	2.00	0	13	...	...	...	sw.	Wm. Hughes.
Smithfield	Wetzel	835	16	69.7	+1.8	88	17	43	23	36	6.34	+1.75	1.69	0	14	18	9	3	sw.	G. M. Whisler.
Terra Alta	Preston	2,612	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	N. F. Kidd.
Wellsburg	Brooke	1,225	21	71.0	+3.4	92	24†	40	23	47	4.71	+0.22	1.56	0	9	15[b]	9[b]	4[b]	w.	George P. Pfister.
Weston	Lewis	1,026	26	70.8	+0.5	90	30	44	23	39	7.13	+2.58	2.30	0	13	9	8	13	...	Weston State Hospital.
Wheeling	Ohio	645	35	72.6	+1.7	94	7†	44	23	45	4.16	+0.35	1.10	0	10	7	15	8	w.	Miss M. B. Forsyth.
Averages and	extremes	...	...	70.6	+1.9	97	30	33	23	55	5.41	+0.96	2.30	0	12	12	10	8	w.	
Southern Division.																				
Bancroft	Putnam	574	18	73.0	+2.1	94	16†	48	23	36	2.30	+2.33	1.17	0	14	12	5	13	se.	M. Frazier.
Beckley	Raleigh	2,440	22	67.3	+0.1	84	17†	41	25	42	6.00	+1.57	1.83	0	11	7	13	10	sw.	E. E. Phipps.
Bluefield	Mercer	2,558	27	69.4	+0.6	88	30	45	23	34	7.38	+2.60	1.45	0	16	16	7	7	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	7	...	...	...	...	...	...	...	3.90	...	2.30	0	7	19	0	11	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	19	75.2	+2.1	95	30	54	13	35	2.84	+1.76	0.65	0	6	13	2	15	w.	C. V. Lewis.
Clay	Clay	706	6	...	...	...	...	...	...	...	3.45	...	1.34	0	9	...	...	...	...	Mark King.
Cuba††	Jackson	650	20	72.0	+2.9	91	17	43	22	43	4.45	+0.62	1.40	0	7	3	22	5	w.	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	6	...	...	...	...	...	...	...	3.40	...	1.02	0	12	...	...	...	...	Lockmaster.
Dam 20 O. R.	Wood	551	6	...	...	...	...	...	...	...	4.04	...	0.65	0	14	...	...	...	...	Lockmaster.
Dam 22 O. R.††	Jackson	538	7	...	...	...	...	...	...	...	5.25	...	1.75	0	9	...	...	...	...	Lockmaster.
Dam 26 O. R.	Mason	505	6	...	...	...	...	...	...	...	2.42	...	1.20	0	7	...	...	...	...	U. S. Engineer Office.
Gary	McDowell	1,426	6	71.6	...	93	29	47	23	39	4.85	...	0.90	0	17	...	...	...	...	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	26	70.0	+1.5	90	17†	44	23	38	4.21	+0.04	1.22	0	14	6	7	17	w.	W. H. Gwinn.
Hinton	Summers	1,450	25	70.6	+0.1	91	17	50	25	40	6.36	+2.13	2.50	0	12	11	0	19	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	28	74.2	+1.6	94	17	51	23†	35	2.48	-1.78	0.88	0	11	10	4	16	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	3	...	...	...	...	...	...	...	4.01	...	1.30	0	7	...	...	...	...	J. O. Brown.
Kayford	Kanawha	1,335	6	...	...	...	...	...	...	...	6.09	...	1.31	0	15	...	...	...	...	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	22	68.8	+1.6	90	17	41	23	39	4.32	+0.08	1.07	0	15	14	6	10	nw.	Geo. T. Argabate.
Logan	Logan	687	19	...	...	...	...	...	...	...	6.48	+1.07	2.50	0	6	...	...	...	...	C. & O. R. R..
Marlinton	Pocahontas	2,131	23	63.4	-1.4	82	17†	38	23†	40	4.66	-0.30	1.10	0	10	4	19	7	sw.	S. L. Brown.
Miller	Fayette	...	2	...	...	...	...	...	...	...	4.70	...	1.26	0	14	...	...	...	...	J. R. Bays.
Point Pleasant	Mason	553	29	71.3[d]	+1.9	97	17	46[d]	23	42[d]	2.68	-1.72	1.09	0	9	12	10	8	...	W. D. Holmes.
Powellton	Fayette	933	26	...	...	96[d]	17	46[d]	23	...	4.84	+0.25	...	0	...	14[j]	0[j]	6[j]	...	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	6	...	...	...	...	...	...	...	6.00	...	3.30	0	16	...	...	...	...	Raleigh Coal & Coke Co.
Robertsburg	Putnam	574	22	74.0	+2.7	94	16†	47	23	43	2.57	-1.48	1.35	0	8	16	0	14	...	E. C. Brace, Jr.
Ryan	Roane	709	19	70.8	+1.7	94	17	40	23	48	2.55	-1.92	0.83	0	10	12	11	7	...	Wm. E. Ryan.
Sharples	Logan	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	C. E. Rippetoe.
Spencer	Roane	784	18	71.6	+1.7	93	17	45	23	35	5.85	+1.51	1.26	0	9	2	25	3	...	A. M. McKown.
Sutton	Braxton	839	16	67.6	...	95	30	46	1†	39	6.53	+1.50	3.20	0	11	19	1	10	...	C. B. Eakle.
Union[d]	Monroe	2,250	18	69.8	+2.8	92	26	40	23	50	2.16	-2.16	0.50	0	12	...	...	...	...	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	12	70.2	...	90	15†	42	23	47	4.88	...	1.74	0	16	19	5	6	...	J. M. Ayres.
Williamson	Mingo	660	22	73.3	+1.3	91	17	53	23	33	3.01	-1.62	1.05	0	9	18	7	5	w.	J. F. Keyser.
Averages and	extremes	...	...	70.8	+1.3	97	17	38	23†	50	4.31	+0.21	3.30	0	11	13	7	10	w.	
State averages and	extremes	...	...	70.7	+1.8	97	17†	33	23	55	4.66	+0.45	3.30	0	11	12	9	9	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, [a], [b], [c] appearing in the table indicate number of days missing; for example, [b] represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for June, 1922.

Stations.	Drainage-basin.	Day of month.																														Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
ayard	Potomac			.24	.08	.19			T.	.27	.09		.31					.93	T.			.10						.09	.08	.49			2.87
andywine	do		.20	45	.35	.25	.10		T.				.60					.45	.10	T.							T.		.25				2.75
erlington	do		T.	.45	.04	T				.55		.64		T.				.70									.20	T.					2.58
arpers Ferry ‖	do		.19	.40	.18	2.40	.01						.09						1.37											.02			4.66
artinsburg	do			.30	*	1.65				.10		.20						1.81											.02				4.08
oorefield	do																																
edmont	do		.04	.35	.17	.09				.27		.36			.03			.16											.33	.08			1.88
mney	do		T.		1.05	.15				.27		.38						.25									.75	.18	.20				3.23
ony River Dam ‖	do		.13	.15	.04	.35	.65				.15		.40					.86											.10	.84			3.67
pper Tract	do			.15	.10	.10	.30										.10	.10									.15		.75		T.		1.75
ardensville ‖	do																																
Northern Division.																																	
ens Run	Ohio		.37	.25		.05			.23			1.20															.10		.55	.39			3.14
ruceton Mills ‖	Monongahela		.70	.21	.19	.20			T.	1.50	T.	.38		T.				.42	T.		.55							T.	1.29				5.44
ckhannon	do		.30	.65	.35	.32			.12	.20	.20		.74	T.				1.20	.90									.16	.50	.40			6.04
iro	Little Kanawha		.30	.29	.13				.38			1.70		T.				1.55			.01	T.						.70	.40				5.46
eat Bridge ‖	Monongahela		.17	.34		.74				.35	.09	.04	.85		.05			1.34	.88		.95	.39	.02					.16		.05			6.42
rtland	do							*	.80		.45							.68										.60	1.00				3.53
eston ‖	Little Kanawha		.05	.85		.32	T.	T.	T.	.71	.30	.10	1.52						.35			T.							.79	.36			5.35
am 10, Mon. R. ‖	Monongahela			.56	.31	.27	.09			1.64	.03	.02	.58					.63	.06			.02					.47		.77	.16			5.61
am 12, O. R. ‖	Ohio			.35		.11	.18			.42	.13		.35					.98	.21			.30							.48	1.80			5.31
am 13, O. R. ‖	do			.50		.14	.03		.01	.63			.93					.50	.22			.04						.03	.32	1.10			4.45
am 15, Mon. R. ‖	Monongahela			.86	.06	.65	.15			.20	.24		.45					.31	.36										.77	.14			4.19
vis	do		.08	.12	.09	.10			.01	.14	.04	.36						.82	.67				.24				.09		.33	.26			3.35
izabeth ‖	Little Kanawha			.42		.03	.07			.27	.75	.09	2.25					.13	.93											.58	.30		5.82
kins ***	Monongahela	T.	.22	.30	.21	.79	T.		.03	.25	.10	1.24		T.				1.60			.30	.04						1.78	.53	.01			7.40
irmont ‖	do		T.	.85	.10	.45	.18			.16	.11		.57		T.			.38	.49			.01							.84	.15			4.29
enville ‖	Little Kanawha		.08	.99		.30	.26			.40	.18	.43	1.66						1.76										.39	1.50			7.95
afton ‖	Monongahela		T.	1.10	T.	.11		T.	T.	.12	.05		1.23					1.65	.26			.15							.90	.98			6.55
st Creek	do		.60	.75	.17	.50			.29	.50	.07	T.	.68	T.				2.19	.51									.06	.52	.35			7.25
nnington	do		.38	.73	.02	.08			.02	.68	.05		.50					1.15											.49	.08			4.38
rgantown	do		.11	.92	.11	.15				1.05	T.		.55					.70											1.55				5.17
undsville ‖	Ohio		.01	.54		.11			.01	1.01	.02	.07	.76					.35	.29	.01		.59						.06	.41	.26	.01		4.51
w Cumberland ‖	do			.18		.04	.04				.18	T.	1.07		.06			.50				.06				.03		.12	.17	.52			2.97
w Martinsville	do		.40	.55	.05	.10			.55	.50	.10	1.50						1.50											.68	.40			6.33
rkersburg ***	Ohio		.46		T.	.13			.20	.07	T.	1.15		T.				.87			.01	T.					T.	1.26	.35		.56		5.06
rsons	Monongahela				*							*													4.79					1.20			5.99
ilippi	do		.44	.62	.20	.12			.08	.12	.06		1.12					1.98			.38	.19						T.	.30	1.33			6.94
kens	do		.35	.39	.75	.78			.20	.23	.24	.05	1.71					1.70	.17		.11	.50							.24				7.42
wlesburg ‖	do			.38	.23	.06	.05			.36	.05	.05	.52					.83	.24										.49	.74			4.00
int Marys ‖	Ohio			.12		.05			.05	.05	.05	.15	1.45					1.25	2.00			.03						.03	.55	.23			6.01
ithfield ‖	Fishing Creek		.05	.75		.11	.02		.10	.42	.08	.01	.34					1.69	.43			1.16							.65	.50			6.34
rra Alta	Monongahela																																
llsburg	Ohio		.18	.03	.36	.10					.53	T.		T.				.73	.16			1.06							1.56				4.71
ston	Monongahela		.34	.67	.15	.58	.53		.15	.18	.20		1.03					2.30	.15										.70	.15			7.13
eeling ‖	Ohio			.40		.22	.07			.12	.02		.74					1.00		T.		.04						T.	.45	1.10	T.		4.16
outhern Division.																																	
ncroft ‖	Great Kanawha		.20	.10		.22	.03	.05	.01	.20	.04				.03				.05				.13					.01	.06	1.17			2.30
ckley	do		.67	.23	.38		.42		.58	.35	.21	.09															1.83	.02	1.22				6.00
efield	do	.08	.55	.44	.10	.33	.45	.03	.62	.70	.03		1.05									1.45		.02			.01	.68	.81				7.38
nden-on-Gauley ‖	do	.20		.80		.10			.10	.20		2.30																	.20				3.90
arleston ‖	do		.32	.50		.42				.55	.65																		T.	.40			2.84
y ‖	do			1.34		.70		.03		.20	.24		.50	.03								.11								.30			3.45
a	Sand Creek				.30	.35			.10			1.30																	1.40	.80	.20		4.45
m 19 O. R. ‖	Ohio		.02	.40		.15	.02		.11	.12	.22		1.02		T.			.18	.02										.28	.83			3.40
m 20 O. R. ‖	do		.20	.28		.25	.06		.05	.57	.02		.45					.22	.52									.10	.52	.65	.15		4.04
n 22 O. R. ‖	do			.35	.76	.20	.20			.20	.20		.86																1.75	.73			5.25
a 26 O. R. ‖	do			.20	.05	.10			.20	.12																			1.20	.55			2.42
y ‖	Big Sandy	.12	.80	.02	.90	.15	.06	.31	.08	.18		.23						.30	.35	.80		.05					.03	.30	.17				4.85
en Sulpr. Spgs.	do	.45	.37	.52	.11	.17		.21		.22	.16			.20				.27					.12					1.22	.11	.08			4.21
ton ‖	do		.54	.82		.20				.12	.24				.02				.06			.40	.04					2.46	.04	1.42			6.36
tington ‖	Ohio		.18	.24	.22	.10	.04			.14	.42		.88		.04														.16	.06			2.48
awha Falls ‖	Great Kanawha		.40	1.30		.70				.32	.10											.75								.44			4.01
ford ‖	do		.34	1.31	.57	1.16	.32	.25		.37	.27	.11	T.		.02				.37		.20	T.	T.					.40	.19	.21			6.09
isburg	do	.42	.52	.09	T.	.08	T.		.03	.05	.01		.27	T.	.25				.16		1.07						T.	.91	.14	.21	.11		4.32
an	Guyandotte		.80	2.50	.10	.08				1.20																				1.80			6.48
linton	Great Kanawha	.58	.52	T.					.22	.10	.08		1.05							.83	.12						.84		.32				4.66
ler ‖	Meadow Creek		.47	.29	.09	.21		.23		.22	.05		.30		.37				.14			.25					.50		.32	1.26			4.70
t Pleasant	Ohio		.35			.08			1.09	.22	T.			.04								.02							.10	.71	.07		2.68
ellton	Great Kanawha			*	*	2.50	.07	*	*	*	.32		.02		.04					.30	.40		.02					.30	.20	.34	.33		4.84
igh ‖	do		.44	.24	.08	.22	.03	.08	.51	.22	.27	.05	T.						.29			.03	.04					3.30	.11	.09			6.00
ertsburg ‖	do		.06	.08		.09				.80	.11		.06		.02															1.35			2.57
n	do	T.	.49	.08	.02	.08			.36	.05			.04	T.							.59							T.	.01	.83			2.55
rples ‖	Coal River																																
ncer ‖	Little Kanawha			.58	.06		.12			.25			1.20						.44			.77	T.						1.26	1.18			5.86
on	Great Kanawha		.40	.82	.18	.29			.51	.08	.12		3.20					.54			.18								.21				6.53
n	do	.15	.40	.04		.35		.08		.10	.05		.03							.20								.50	.12	.14			2.16
te Sulpr. Spgs. ‖	do	.74	.05	.82	.02	.04		.01	.12	.04	.70		.22				.08		.08		.18					1.74				.01	.03		4.88
iamson ‖	Big Sandy		.20	1.05		.32		.10		T.	.20	T.						T.	T.	.14			T.					.64	.15	.21			3.01

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for June, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	78	73	74	76	76	82	86	84	79	81	78	74	67	78	82	88	85	71	77	76	74	74	75	84	86	87	87	87	80	86	....	79.5
	Minimum	50	60	58	48	48	51	52	50	64	65	67	59	40	49	47	46	58	62	53	56	51	52	36	39	50	51	52	59	58	52	....	52.9
Brandywine	Maximum	77	80	80	81	82	84	86	86	84	85	85	80	75	78	84	85	87	86	82	80	81	75	79	88	92	82	87	86	87	88	....	83.1
	Minimum	58	62	63	53	61	57	60	59	64	61	60	56	44	58	57	55	64	60	57	61	59	51	43	46	52	53	60	62	59	56	....	57.1
Burlington	Maximum	78	78	77	79	75	85	81	84	83	84	85	78	70	73	83	85	91	80	79	78	80	73	80	87	93	84	83	87	88	88	....	81.7
	Minimum	55	64	62	55	60	62	61	60	67	70	65	64	47	55	54	55	62	63	57	61	60	57	44	46	56	59	63	55	56	58	....	58.4
Martinsburg§	Maximum	81	83	80	86	78	87	89	89	87	89	91	82	73	77	87	89	93	82	82	82	82	75	84	91	96	84	86	91	92	91	....	85.3
	Minimum	61	66	68	59	63	65	66	65	67	70	71	69	52	61	62	66	70	71	66	67	73	62	59	60	61	60	61	68	67	66	....	64.7
Moorfield	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Piedmont	Maximum	78	76	80	81	77	88	87	87	84	87	86	78	75	75	86	88	92	80	81	79	81	75	83	90	90	83	83	83	85	91	....	83.0
	Minimum	56	64	63	56	62	61	59	58	66	69	66	63	46	56	59	55	66	65	54	62	59	56	44	49	59	54	63	64	64	64	....	59.4
Romney	Maximum	74	79	81	81	76	88	86	86	84	82	82	83	73	72	88	86	84	79	81	82	80	80	84	83	91	90	81	89	86	89	....	82.7
	Minimum	58	65	64	55	61	62	62	61	66	67	73	53	46	55	55	53	60	63	58	61	58	61	44	47	60	57	63	64	64	61	....	59.2
Upper Tract	Maximum	74	....	77	76	78	85	85	85	83	85	80	80	80	83	84	91	87	87	87	78	78	77	81	90	91	85	87	85	87	87	....	83.2
	Minimum	57	....	61	54	60	56	57	59	64	65	62	60	45	53	55	58	55	54	55	56	57	54	49	45	45	61	61	60	54	56	....	56.1
Northern Division.																																	
Bens Run	Maximum	79	72	80	81	85	86	89	83	83	85	78	80	71	85	88	89	89	72	82	86	78	84	88	87	81	89	88	86	85	91	....	83.3
	Minimum	58	65	63	63	64	63	64	63	70	69	67	63	55	57	62	63	65	65	60	62	57	48	55	60	54	63	62	65	67	66	....	61.9
Buckhannon	Maximum	78	79	75	79	78	81	82	78	78	79	80	78	71	77	79	83	86	75	77	79	75	71	73	80	83	81	84	82	80	86	....	78.9
	Minimum	59	64	67	61	64	60	63	63	68	67	67	61	50	57	53	60	67	65	59	65	63	59	46	50	59	59	64	61	66	61	....	61.0
Cairo	Maximum	79	75	82	80	84	87	89	82	87	85	86	89	75	85	87	88	91	75	83	85	83	77	83	88	87	83	90	88	87	92	....	84.1
	Minimum	52	63	65	62	62	58	60	60	63	64	65	65	49	53	56	55	66	63	56	59	63	54	48	48	55	55	62	65	65	62	....	59.1
Creston	Maximum	82	75	82	81	87	89	91	87	77	87	87	86	82	84	91	91	95	78	82	87	84	78	86	92	91	86	93	90	88	94	....	86.1
	Minimum	55	63	65	64	63	69	61	63	68	65	66	61	51	55	57	60	68	63	57	63	63	54	45	50	56	58	61	65	66	63	....	60.4
Elkins	Maximum	76	78	75	79	79	82	83	78	77	78	79	74	66	76	80	85	87	72	77	75	74	69	73	83	84	82	81	82	80	89	....	78.4
	Minimum	57	63	59	58	60	59	60	58	66	67	61	55	45	52	53	52	60	62	57	61	59	51	42	45	53	56	64	62	61	61	....	57.3
Fairmont§	Maximum	81	77	78	76	78	84	82	82	82	84	82	76	78	80	85	85	88	75	80	85	79	75	79	84	87	82	86	85	83	88	....	81.5
	Minimum	60	64	61	61	61	61	62	62	66	67	70	59	51	51	57	59	66	63	60	63	64	59	40	53	61	52	58	64	64	63	....	60.1
Glenville	Maximum	86	83	84	85	87	90	93	92	81	85	87	86	82	87	91	92	94	81	87	89	86	84	84	90	92	92	93	90	91	97	....	88.0
	Minimum	57	63	62	63	64	62	60	64	67	65	65	61	52	56	58	59	67	63	60	64	61	56	46	50	56	56	64	64	65	68	....	60.7
Grafton§	Maximum	83	82	77	77	....	80	80	75	81	81	81	85	70	81	81	85	83	77	73	84	89	76	83	83	82	81	88	89	86	94	....	81.3
	Minimum	58	64	60	60	62	....	59	60	67	67	65	59	47	52	51	57	66	62	58	63	63	56	44	49	56	52	61	64	54	52	....	58.3
Lost Creek	Maximum	80	77	77	78	80	84	83	85	80	81	82	79	73	82	85	88	88	75	80	85	80	75	79	80	85	84	87	86	84	90	....	81.7
	Minimum	55	64	61	60	60	56	57	59	67	66	69	57	45	51	54	56	62	61	56	61	60	53	39	48	52	54	60	63	61	60	....	57.6
Mannington	Maximum	78	73	76	78	78	82	84	82	77	82	82	78	73	79	82	85	86	72	79	81	78	74	77	83	83	80	84	84	82	86	....	79.9
	Minimum	55	62	62	61	62	58	59	59	67	66	67	57	48	52	54	56	66	62	58	58	63	56	40	49	55	51	61	64	65	61	....	58.5
Morgantown	Maximum	84	74	78	80	81	85	88	85	81	84	84	78	74	82	84	88	88	73	83	85	89	76	81	87	86	82	88	87	84	90	....	82.7
	Minimum	62	63	59	61	63	61	61	62	66	67	71	60	48	54	56	59	65	64	59	64	64	58	44	53	65	49	63	62	64	63	....	60.4
New Cumberland§	Maximum	81	74	78	81	82	88	90	86	86	87	86	74	68	83	85	88	89	88	83	85	80	74	86	93	81	75	82	83	86	88	....	83.0
	Minimum	53	60	62	60	57	62	60	60	68	65	72	61	56	53	57	57	67	59	55	57	63	59	43	55	67	45	58	62	66	62	....	59.4
New Martinsville	Maximum	87	75	83	81	86	90	91	87	85	89	85	82	78	84	90	92	85	76	85	87	84	78	85	90	87	84	91	89	89	94	....	85.7
	Minimum	52	63	67	60	61	58	62	58	65	67	64	59	51	52	57	59	65	60	57	59	62	53	44	50	57	50	61	62	65	62	....	58.7
Parkersburg	Maximum	77	71	78	76	83	87	88	82	80	87	86	78	70	82	84	78	92	72	80	84	82	75	83	89	84	77	86	86	85	89	....	82.0
	Minimum	59	65	65	65	64	63	64	66	68	69	63	61	54	60	69	63	64	64	60	63	64	58	49	56	66	56	64	67	68	65	....	62.5
Parsons	Maximum	....	75	82	....	91	93	82	92	87	85	86	80	....	....	....	87	88	91	93	80	87	90	78	81	94	92	94	80	92	88	....	86.7
	Minimum	....	55	55	....	50	49	55	56	64	65	51	54	42	....	....	....	59	50	50	59	57	58	55	43	43	54	54	60	60	59	....	54.4
Philippi	Maximum	80	85	77	79	81	83	85	81	79	81	82	77	74	79	83	87	87	75	81	82	77	72	77	84	85	83	85	85	81	89	....	81.2
	Minimum	57	62	58	59	66	59	62	61	66	66	69	59	69	68	55	59	64	64	56	56	59	57	46	57	60	52	62	62	62	60	....	60.4
Pickens	Maximum	76	77	74	81	81	81	84	84	78	78	76	72	76	79	86	89	87	81	80	81	75	69	74	82	83	68	85	86	80	86	....	79.7
	Minimum	58	58	56	53	57	57	56	58	59	62	63	53	50	56	43	51	59	59	52	59	53	50	38	43	52	55	58	59	57	56	....	54.7
Terra Alta	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Wellsburg	Maximum	81	74	80	80	82	88	87	86	85	86	85	82	69	86	87	90	89	80	85	85	82	76	87	92	92	78	86	85	87	91	....	84.1
	Minimum	51	60	62	58	61	58	58	59	67	65	72	56	47	51	55	57	66	63	51	55	60	58	40	54	60	45	60	62	65	61	....	58.0
Weston	Maximum	80	79	78	77	81	84	86	80	80	81	82	80	77	81	85	86	80	76	80	81	80	76	78	84	86	85	86	87	83	90	....	81.7
	Minimum	59	64	63	61	63	59	63	62	68	67	70	61	49	55	46	60	65	65	59	65	63	58	44	50	60	57	55	63	65	62	....	60.0
Wheeling§	Maximum	86	75	80	82	84	92	94	90	89	91	88	82	71	89	89	94	92	74	87	89	83	80	89	91	88	83	89	82	90	93	....	86.3
	Minimum	54	59	62	59	60	62	60	60	67	69	72	57	51	53	53	59	64	60	56	58	60	57	41	52	61	49	57	62	65	64	....	59.0
Southern Division.																																	
Bluefield	Maximum	72	75	76	79	76	81	82	81	76	79	82	77	80	81	82	86	85	84	89	80	79	77	77	82	81	83	83	81	81	88	....	80.2
	Minimum	60	60	61	61	47	59	59	60	60	64	61	60	54	64	54	61	66	60	59	61	70	52	45	48	52	52	62	61	62	61	....	58.5
Charleston	Maximum	83	87	89	88	86	90	90	89	88	89	85	90	80	84	90	93	83	83	80	83	84	78	85	88	93	92	93	92	89	95	....	87.3
	Minimum	62	64	67	65	63	64	67	65	66	62	59	55	54	59	60	65	68	68	63	62	66	61	64	55	60	65	68	68	63	63	....	63.0
Gary §	Maximum	82	81	75	79	86	88	80	79	82	84	83	80	83	87	90	83	82	81	86	80	76	79	81	89	90	86	86	86	93	84	....	83.4
	Minimum	62	63	61	60	59	61	63	65	66	63	60	56	60	57	57	61	62	63	60	61	60	48	47	50	52	60	63	63	64	67	....	59.9
Green Sulphur Spgs	Maximum	89	79	80	82	82	87	87	80	80	84	84	83	86	84	84	85	90	83	80	83	80	76	80	86	87	90	88	87	85	89	....	83.7
	Minimum	46	48	52	59	60	60	58	61	65	60	60	52	56	45	53	54	60	63	59	60	60	55	44	48	59	55	56	62	63	60	....	56.2
Hinton §	Maximum	71	78	76	79	79	85	85	78	77	82	80	82	73	82	83	89	91	83	78	84	80	75	78	84	90	89	82	86	83	88	....	81.7
	Minimum	51	61	63	60	60	61	61	60	65	65	63	63	54	55	57	59	61	65	63	63	63	58	51	52	50	53	57	60	64	64	....	59.4
Huntington §	Maximum	79	73	81	77	81	85	86	83	87	87	85	84	77	84	87	90	94	80	81	85	84	79	82	86	89	85	89	88	86	92	....	84.2
	Minimum	63	65	66	61	65	64	65	70	68	70	71	65	57	62	61	64	70	69	62	64	66	61	51	51	60	64	64	63	70	68	....	64.2
Lewisburg	Maximum	70	74	76	81	78	86	84	79	77	80	80	78	72	79	83	85	90	79	78	82	77	70	76	83	87	88	85	84	81	88	....	80.3
	Minimum	58	61	61	57	61	57	57	61	65	64	60	59	48	59	53	55	61	63	59	62	62	54	41	44	50	54	57	62	62	59	....	57.4
Marlinton	Maximum	70	68	70	72	72	78	76	72	76	74	74	72	70	74	76	80	82	76	74	72	72	66	72	78	80	76	76	78	78	82	....	74.5
	Minimum	50	54	54	50	59	56	52	54	56	58	52	52	42	44	46	58	58	56	51	56	54	59	38	33	46	56	56	58	56	62	....	52.2
Point Pleasant	Maximum	81	79	84	83	85	91	91	86	83	89	89	86	81	87	91	94	97	84	85	89	87	82	88	93	92	86	95	90	88	93	....	87.6
	Minimum	56	62	....	....	....	....	60	66	68	67	71	63	52	57	59	62	75	63	57	69	61	55	46	52	58	55	62	65	66	64	....	61.0
Powellton	Maximum	78	85	....	....	82	87	....	....	....	93	....	85	....	86	90	92	96	....	88	86	84	81	82	89	91	....	91	90	87	93	....	87.4
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	61	58	45	48	54	....	62	65	63	63	....	......
Robertsburg§	Maximum	85	78	83	83	85	88	90	90	82	87	87	83	78	85	91	94	94	80	82	88	88	84	93	92	92	88	93	85	88	93	....	87.0
	Minimum	56	64	65	60	64	59	61	65	66	66	68	68	52	56	57	61	69	66	58	60	64	64	47	49	51	62	64	66	59	65	....	61.1
Ryan	Maximum	83	77	82	81	83	86	87	82	76	85	83	83	70	85	87	90	94	80	84	84	82	77	88	88	90	88	90	91	86	92	....	81.5
	Minimum	53	61	61	59	60	54	64	62	63	60	61	58	47	54	51	56	64	65	54	60	62	42	40	44	50	58	62	64	64	60	....	57.1
Spencer §	Maximum	82	75	80	80	83	87	88	82	84	89	83	80	84	84	86	88	93	77	82	84	80	80	80	82	84	87	91	87	84	90	....	83.6
	Minimum	58	59	63	62	60	53	61	68	68	67	64	61	51	57	60	60	63	65	58	60	64	56	45	49	51	56	60	61	67	63	....	59.7
Union	Maximum	75	75	78	....	81	85	87	86	77	80	....	82	81	83	85	85	89	....	80	83	81	79	81	86	....	92	86	87	84	91	....	83.5
	Minimum	60	61	60	....	56	56	57	58	64	63	....	58	47	56	51	53	62	....	60	62	58	54	40	43	....	42	57	61	60	58	....	56.0
White Sulphur Spgs§	Maximum	79	81	78	82	82	79	80	79	82	81	70	84	84	85	90	84	90	84	76	70	81	85	89	89	85	89	82	87	83	86	....	82.7
	Minimum	61	56	62	59	63	61	62	63	61	58	47	56	55	54	62	63	59	63	56	52	43	43	42	52	60	63	63	60	64	68	....	57.7
Williamson§	Maximum	79	78	79	76	80	83	84	80	79	83	83	83	80	83	84	90	91	90	78	83	80	76	78	84	83	86	86	84	85	88	....	82.7
	Minimum	60	62	65	64	64	65	65	66	68	65	70	71	60	62	63	63	69	67	65	65	66	63	53	54	55	61	63	66	67	68	....	63.9

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

WE

SEP 25 1922

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXX. PARKERSBURG, W. VA., JULY, 1922. No. 7.

GENERAL SUMMARY.

The temperature and rainfall averaged slightly below the normal, but the rainfall was unfavorably distributed throughout the month and over the State. In most of the central and southern counties frequent rains delayed harvesting and also caused some damage to hay and shocked grains. The conditions were decidedly droughty in most localities of the northern and eastern panhandle counties, especially in Brooke, Hancock, and Mineral counties, causing considerable damage to growing crops and pastures. It was also too dry for corn in practically all localities of the western counties from the 15th to the 27th. The temperature was generally especially favorable for growth and comfort. High winds on the 27th caused considerable damage to buildings and crops over a small area in the east-central portion of Monongalia County. At the close of the month corn was in good condition and growing rapidly, oats were mostly harvested, and haying was well advanced.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.05 and 30.04 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.26 inches on the 13th, and 29.81 inches on the 23d. Elkins, 30.19 inches on the 4th, and 29.78 inches on the 23d.

TEMPERATURE.

The monthly mean for the State, determined from 44 stations, was 72.9°. The departure from the normal for 40 stations having ten or more years of record was —0.1°. The month opened moderately warm and the temperature was also somewhat above the normal from the 9th to the 12th, 16th to the 18th, and the 23d to the 28th, with the highest readings occurring generally on the 11th and 12th. Exceptionally cool weather for the season prevailed from the 3d to the 6th. The maximum temperatures on the 4th ranged generally from 67° to 72°, the lowest July mid-day temperatures of State record at several stations. The temperature was slightly below the normal on the 13-14th, 19th-22d, and 29-30th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were s follows: Parkersburg, 8 a. m., 81 per cent; 8 p. m., 70 er cent. The July averages for the same hours for the ast 34 years are 79 and 67 per cent, respectively. Elkins, 8 . m., 89 per cent; 8 p. m., 82 per cent. The July averges for Elkins for the same hours for the past 22 years are 87 nd 77 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 64 tations, was 4.53 inches. The departure from the normal for 3 stations having ten or more years of record was —0.19 inch. he rainfall was lightest over the northern and western counties nd heaviest over the central counties. Most of the precipitation vas received from the 1st to the 4th and on the 8th, 12-13th, 7-18th, 23d-24th, and 28-29th. Showers also fell in the southern counties on the 26-27th. The rainfall was heaviest on the 3d, 13th, 18th, and 23d-24th.

HAIL.

Light hail fell in sections of Wood County on the 1st and in sections of Pleasants and Ritchie counties on the 28th. Moderate hail fell over a small area in the northern portion of Tucker County on the 28th.

WIND.

The average wind velocity at Parkersburg was 4.2 miles per hour, or 0.3 mile below the July average for 32 years. The average at Elkins was 3.4 miles per hour, or 0.3 mile above the July average for 23 years. The highest velocity at Parkersburg was 27 miles per hour from the northwest on the 12th, and at Elkins 21 miles per hour from the west on the 23d.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 59 per cent of the possible amount, or 2 per cent below the July average for 25 years. The average at Elkins was 55 per cent, or 2 per cent above the July average for 22 years.

MISCELLANEOUS PHENOMENA.

Halos, lunar: Wheeling, 7th and 9th.

Haze: Bayard, 1st.

Thunderstorms (dates and number of stations reporting): 1st, 8; 2d, 12; 3d, 2; 12th, 6; 13th, 6; 15th, 1; 16th, 2; 17th, 8; 18th, 6; 19th, 1; 20th, 1; 21st, 2; 23d, 10; 24th, 2; 26th, 2; 27th, 5; 28th, 6; 29th, 1; 31st, 4.

COMPARATIVE DATA FOR JULY.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	67.5	......	......	5.59	......	......	......	......	......	......
1892	73.4	98	41	4.20	......	......	......	......	......	......
1893	73.8	98	42	2.96	5.95	1.37	......	20	10	1
1894	73.3	100	36	2.21	4.84	0.50	......	10	19	2
1895	70.5	99	39	4.35	7.04	1.65	......	11	13	7
1896	73.3	97	46	9.07	15.70	2.91	......	9	12	10
1897	74.2	102	46	5.43	9.92	2.85	......	11	12	8
1898	75.0	103	40	4.46	8.33	1.53	......	12	7	12
1899	73.3	100	33	3.78	7.92	0.20	......	14	10	7
1900	74.7	104	41	4.38	7.88	1.72	......	15	11	5
1901	77.4	104	47	3.16	6.21	0.69	......	14	12	5
1902	74.2	104	45	3.54	8.42	0.96	......	14	12	5
1903	72.5	100	37	3.74	8.30	1.82	......	16	10	5
1904	71.5	97	42	3.25	6.00	1.04	......	14	12	5
1905	73.3	98	43	5.92	10.64	3.00	......	12	11	8
1906	72.4	98	45	4.54	7.40	1.50	......	12	11	8
1907	72.7	98	42	6.66	13.36	1.99	......	12	14	5
1908	74.0	100	41	5.21	9.43	2.08	......	14	13	4
1909	70.2	96	36	4.17	10.50	0.60	......	14	11	6
1910	73.8	98	41	4.92	13.16	0.54	......	13	12	6
1911	73.3	106	40	2.82	6.94	0.40	......	16	12	3
1912	72.0	100	45	7.48	15.22	2.67	......	12	12	7
1913	74.2	103	40	5.80	10.07	2.14	......	15	12	4
1914	73.1	106	38	4.11	7.74	0.98	......	16	10	5
1915	71.9	99	38	4.63	11.31	1.82	......	12	11	8
1916	74.8	102	42	3.49	9.47	1.06	......	16	8	7
1917	72.6	104	44	4.83	8.27	1.25	......	14	10	7
1918	70.3	101	38	3.15	6.90	1.04	......	17	7	7
1919	74.3	104	41	5.51	13.08	1.96	......	18	7	6
1920	70.1	99	40	4.84	8.94	2.34	......	16	8	7
1921	75.6	101	44	3.58	8.90	1.05	......	16	10	5
1922	72.9	99	43	4.53	8.05	1.33	......	15	8	8
Means and extremes	73.0	106	33	4.57	15.70	0.20	......	14	11	6

Climatological Data for July, 1922.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	21	68.8	+ 1.2	92	11†	43	6	41	4.18	−0.76	1.34	0	10	15	11	5	w.	U. G Clark.
Brandywine	Pendleton	....	6	72.2	....	94	12	50	6	35	3.20	....	0.75	0	14	14	8	9	sw.	Elmer Keister.
Burlington	Mineral	875	28	73.0	+ 0.4	94	2†	50	7	37	1.33	−2.36	0.45	0	6	7	22	2	w.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	33	....	....	....	....	....	....	....	3.07	−0.53	1.08	0	11	....	....	....	....	J. C. Newcomer.
Martinsburg	Berkeley	435	30	75.5	+ 0.2	97	12	55	6	33	5.19	+1.33	1.20	0	13	19	9	3	s.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	26	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	M. S. Henkel.
Piedmont	Mineral	919	9	73.2	....	97	12	50	6†	36	1.66	....	0.41	0	11	8	13	10	nw.	C. A. Suter, Jr.
Romney[c]	Hampshire	824	24	73.2	− 1.7	97	12	50	6	37	2.67	−0.87	2.00	0	4	9	15	2	w.	Geo. E. Arnold.
Stony River Dam	Grant	....	2	....	....	....	....	....	....	....	4.43	....	2.00	0	8	6	5	20	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	23	71.7	− 0.3	90	1†	49	6	35	4.35	+0.55	1.00	0	9	17	7	7	w.	J. M. Mallow.
Wardensville	Hardy	1,200	4	....	....	....	....	....	....	....	....	....	....	0	....	....	....	....	....	Luther F. Sutton
Averages and	extremes	....	....	72.5	0	97	12	43	6	41	3.34	−0.44	2.00	0	9	12	11	8	w.	
Northern Division.																				
Bens Run	Pleasants	622	20	74.8	− 0.1	93	11†	52	5	30	4.23	−0.32	1.25	0	11	18	10	3	....	J. D. Riggs.
Bruceton Mills	Preston	1,549	2	....	....	....	....	....	....	....	5.17	....	0.96	0	13	0	27	4	sw.	W M. Wolf.
Buckhannon	Upshur	1,411	25	71.7	− 0.3	89	12	52	6	26	5.59	+0.25	1.12	0	10	23	2	6	....	H. A. Darnall.
Cairo	Ritchie	680	23	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	O. C. Hess.
Cheat Bridge	Randolph	3,558	4	65.4[a]	....	90[a]	1	45	6†	41[a]	8.05	....	1.70	0	18	18	1	12	....	H. F. Cromer.
Cortland	Tucker	3,300	11	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	G. W. Harmon.
Creston	Wirt	701	20	74.9	+ 0.3	95	11†	50	6	36	5.95	+1.93	1.31	0	11	20	2	9	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	1	....	....	....	....	....	....	....	5.03	....	1.04	0	11	....	....	....	s.	Lockmaster.
Dam 12 O. R.	Ohio	614	6	....	....	....	....	....	....	....	1.89	....	0.65	0	8	....	....	....	....	Lockmaster.
Dam 13 O. R.	Ohio	605	6	....	....	....	....	....	....	....	3.83	....	0.84	0	9	....	....	....	....	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	1	....	....	....	....	....	....	....	3.79	....	1.14	0	10	....	....	....	....	Lockmaster.
Davis	Tucker	3,093	13	....	....	....	....	....	....	....	6.11	....	1.21	0	10	....	....	....	....	Ross C. Male.
Elizabeth	Wirt	646	10	....	....	....	....	....	....	....	6.29	....	1.65	0	10	....	....	....	....	E. D. Ball.
Elkins	Randolph	1,947	21	70.4	− 0.1	90	12	50	6	33	5.75	+1.11	1.40	0	14	6	15	10	w	U. S. Weather Bureau.
Fairmont	Marion	883	16	72.4	− 1.8	92	12	51	6	28	4.29	−0.44	1.03	0	10	19	5	7	w.	Creed E Bolyard.
Glenville	Gilmer	738	28	76.5	+ 1.6	98	12†	54	5†	31	6.73	+1.44	1.95	0	10	22	3	6	w.	Howard R. Brannon.
Grafton	Taylor	1,000	29	72.6[a]	− 0.2	92[a]	11	46[a]	4	37[b]	3.01	−1.98	....	0	8	13	12	6	e.	W. C. Byers.
Lost Creek	Harrison	1,026	24	72.0	− 0.2	93	12	49	6	34	4.80	+0.02	1.75	0	9	17	7	7	w.	Allen Smith.
Mannington	Marion	974	19	71.3	− 0.7	91	12	49	6	36	4.89	−0.08	1.16	0	11	15	6	10	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	29	73.6	+ 0.1	94	12	52	5†	28	4.37	−0.70	1.47	0	9	1	13	17	sw.	Prof. E L. Andrews.
Moundsville	Marshall	642	19	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	G. W. Wright.
New Cumberland	Hancock	987	24	73.6	+ 0.8	94	11†	51	5	36	1.81	−2.45	0.83	0	6	23	3	5	....	Geo. W. Derouin.
New Martinsville	Wetzel	634	28	74.2	− 1.1	97	11	49	5	37	3.30	−1.50	1.10	0	7	23	4	4	s.	Wm. Ankrom.
Parkersburg	Wood	638	35	75.3	− 0.3	93	27	53	6	28	3.65	−1.01	1.86	0	14	11	9	11	se.	U. S. Weather Bureau
Parsons[e]	Tucker	1,656	22	73.4	+ 2.3	98	11†	51	5†	38	4.99	−0.22	....	0	5	16	3	7	....	J. W. Swisher.
Philippi	Barbour	1,149	25	72.1	− 0.3	95	23	50	6	31	5.68	−0.70	1.82	0	10	13	7	11	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	19	68.9	+ 0.3	91	11	48	5	32	6.62	+0.25	1.13	0	9	18	3	10	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	35	....	....	....	....	....	....	....	5.60	+0.58	1.86	0	11	....	....	....	w	J. F. Pierce.
Saint Marys	Pleasants	577	13	....	....	....	....	....	....	....	3.29	−0.82	1.10	0	10	....	....	....	sw.	Wm. Hughes.
Smithfield	Wetzel	835	16	71.8	− 0.3	93	12	51	5†	32	6.21	+0.82	1.42	0	12	19	8	4	se.	G. M Whisler.
Terra Alta	Preston	2,612	21	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	N. F. Kidd.
Wellsburg	Brooke	1,225	21	73.0	+ 1.2	97	1	49	30	37	2.20	−2.39	1.28	0	6	20	5	6	w.	George F. Pfister.
Weston	Lewis	1,026	26	73.8	− 0.5	93	12	52	6	29	4.95	−0.02	0.96	0	9	13	9	9	....	Weston State Hospital.
Wheeling	Ohio	645	35	75.1	+ 0.2	99	12	49	5	36	2.29	−2.31	0.75	0	10	14	11	6	s.	Miss M. B. Forsyth.
Averages and	extremes	....	....	72.7	0	99	12	45	6†	41	4.68	−0.39	1.95	0	10	16	7	8	w.	
Southern Division.																				
Bancroft	Putnam	574	18	73.6	− 1.2	92	11	52	5	35	3.42	−0.62	1.03	0	13	20	1	10	se.	M. Frazier.
Beckley	Raleigh	2,440	22	69.0	− 2.3	84	11	49	6	26	6.12	+1.87	0.92	0	14	7	14	10	....	E. E. Phipps.
Bluefield	Mercer	2,558	27	71.2	− 0.3	86	10	54	5†	26	6.86	+2.39	1.49	0	22	10	9	12	....	Norfolk & Western Ry
Camden-on-Gauley	Webster	2,062	7	....	....	....	....	....	....	....	2.67	....	1.00	0	3	23	0	8	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	19	78.4	+ 1.9	98	10	56	6	34	4.87	+0.72	0.90	0	11	12	7	12	....	C. V. Lewis.
Clay	Clay	706	6	....	....	....	....	....	....	....	5.53	....	1.60	0	12	....	....	....	....	Mark King.
Cuba[f]	Jackson	650	20	72.9	− 0.4	93	13	50	6†	36	2.95	−1.08	1.10	0	8	6	20	5	w.	Miss Faythe Howard
Dam 19 O. R.	Wood	557	6	....	....	....	....	....	....	....	4.96	....	3.10	0	11	....	....	....	....	Lockmaster.
Dam 20 O. R.	Wood	551	6	....	....	....	....	....	....	....	3.60	....	1.46	0	13	....	....	....	....	Lockmaster.
Dam 22 O. R.	Jackson	538	7	....	....	....	....	....	....	....	3.90	....	1.34	0	8	....	....	....	....	Lockmaster.
Dam 26 O. R.	Mason	505	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	U. S. Engineer Office.
Gary	McDowell	1,426	6	73.4[c]	....	93[c]	10	55[c]	4†	32[f]	4.67	....	1.65	0	15	....	....	....	....	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	26	73.2	+ 0.7	92	11†	54	4	33	5.04	+1.20	1.40	0	12	6	4	21	w.	W. H. Gwinn.
Hinton	Summers	1,450	25	73.1	− 1.0	89	11†	55	5†	28	4.40	+0.45	1.20	0	15	12	3	16	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	28	75.9	− 0.5	93	11†	53	5	29	3.91	−0.33	2.36	0	10	17	5	9	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	3	....	....	....	....	....	....	....	5.42	....	1.20	0	8	....	....	....	....	J. O. Brown.
Kayford	Kanawha	1,335	6	....	....	....	....	....	....	....	6.48	....	....	0	16	....	....	....	....	Cabin Creek Con. Coal Co
Lewisburg	Greenbrier	2,200	22	71.7	+ 0.7	91	11†	54	6†	32	3.01	−1.07	0.89	0	13	17	8	6	s.	Geo. T. Argabate.
Logan	Logan	687	19	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	C. & O. R. R..
Marlinton	Pocahontas	2,131	23	65.5	− 3.1	88	11	48	5†	32	5.34	+0.01	1.68	0	17	1	26	4	sw.	S. L. Brown.
Miller	Fayette	....	2	....	....	....	....	....	....	....	7.01	....	1.66	0	14	....	....	....	....	J. R. Bays.
Point Pleasant	Mason	553	29	76.3	− 0.1	97	11†	49	5	37	3.06	−1.04	1.26	0	9	16	4	11	....	W. D. Holmes.
Powellton[g]	Fayette	933	26	....	....	97[f]	12	....	....	....	6.64	+2.15	1.55	0	17	16[g]	0[g]	8[g]	....	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	6	....	....	....	....	....	....	....	6.56	....	1.60	0	12	....	....	....	....	Raleigh Coal & Coke Co.
Robertsburg	Putnam	574	22	75.0	+ 1.6	95	11†	51	5	37	3.89	+0.15	2.00	0	8	18	0	13	....	E. C. Brace, Jr.
Ryan	Roane	706	19	73.1	− 0.2	94	12	47	6	35	4.13	−0.46	0.93	0	10	16	8	7	....	Wm. E. Ryan.
Sharples	Logan	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	C. E. Rippetoe.
Spencer	Roane	754	18	73.6	0	92	12	50	6†	35	5.81	+0.53	2.16	0	10	8	19	4	....	A. M. McKown.
Sutton	Braxton	839	16	71.5	− 4.8	95	1	49	4	39	4.73	−0.44	1.04	0	11	20	0	11	....	C. B. Eakle.
Union	Monroe	2,250	18	72.4[f]	+ 1.4	91	11	52[f]	6	32[f]	3.38	−1.24	1.70	0	12	....	....	....	....	W. M. H. Young.
White Sulphur Springs	Greenbrier ††	1,940	12	70.8	....	91	8	50	31	32	4.16	....	1.50	0	14	24	4	3	....	J. M. Ayres.
Williamson	Mingo	660	22	71.3	1.2	90	12†	53	5	25	6.82	+2.56	1.81	0	16	21	2	8	w.	J. F. Keyser.
Averages and	extremes	....	....	73.3	− 0.4	98	10	47	6	39	4.78	+0.19	3.10	0	12	15	6	10	s.	
State averages and	extremes	....	....	72.9	− 0.1	99	12	43	6	41	4.53	−0.19	3.10	0	11	15	8	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used
determining section or division means.

Reference letters, a, b, c appearing in the table indicate number of days missing: for example, b represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for July, 1922.

Stations.	Drainage-basin.	Day of month.																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac		.36	1.34	.44		.06			T.			.12	.51	T.	.26			.15		T.			T.	.84		T.			.10	T.		4.18
Brandywine	...do			.40	.70	.05			.05		.10			.15	.10		T.	T.	.40			.05		T.	.25		.05	.10	.25		.15		3.20
Burlington	...do		.45	.05	.40				T.			.21		.10		T.								T.								.12	1.33
Harpers Ferry ‖	...do			1.05	.15	.28				.34					.45	.11			.39	.07				.02	.12		.09						3.07
Martinsburg	...do	.40	1.20	*	.60				.15			.05		.93			.47	.73						.10			.11	.10				.35	5.19
Moorefield	...do																																
Piedmont	...do		.41	.06	.24				.05					.35		.11		.18	.01					.04	.17				.04				1.66
Romney	...do		2.00	.25										.25										.17									2.67
Stony River Dam ‖	...do				.98	.15				.24					.20	.25									2.00		.04			.57			4.43
Upper Tract	...do		1.60	.90	.70				1.		.30			.15				.25	.60														4.55
Wardensville ‖	...do																											T.		.30		.10	
Northern Division.																																	
Bens Run	Ohio	.08	.80	.65	.25				.05					.60					.10	.08				.15				.22	1.25				4.23
Bruceton Mills ‖	Monongahela	.59	.96	.11	.30				.20		T.			.28			T.	.15	.72	.32				.38	.63			T.	.15			.38	5.17
Buckhannon	...do		.50	1.00	.40				.50					1.12				.12	.85						.60				.51		.16		5.59
Cairo	Little Kanawha																																
Cheat Bridge ‖	Monongahela		.25	.25	1.05	.16			.09	.40				.31	.64	.04		.40	.20	.43					1.24	.04		1.70		.34	.24	.27	8.05
Cortland	...do																																
Creston ‖	Little Kanawha		.72	.62	.51	T.			T.	.55				.04	.31				.81						1.31				.71	.18	T.	.19	5.95
Dam 10, Mon. R. ‖	Monongahela		.93	1.04	.37	.01				.04					1.03				.13	.17					1.04				.23	.04			5.03
Dam 12, O. R. ‖	Ohio		.12	.65										.55	.10				.25	.04					.06					.12			1.89
Dam 13, O. R. ‖	...do		.33	.63					.01					.84					.70	.06					.55				.69	.02			3.83
Dam 15, Mon. R. ‖	Monongahela	.12	.51	.62	.42									.02	1.14				.20	.21					.20					.35			3.79
Davis	...do			1.13	.60	.53				.28			.37			.18									1.21			.20	.71	.90			6.11
Elizabeth ‖	Little Kanawha		1.54	.38	.50									.68	.14				1.65						.90				.25	.25		.14	6.29
Elkins ***	Monongahela	T.	.94	.32	.62				.45				1.	.76	.01	.03		.47	.56					.10	.36	T.			.32	T.	.22	.39	5.75
Fairmont ‖	...do	.17	.48	.48	.20	T.				.05				T.	.87				.43	.15					1.03					.43			4.29
Glenville ‖	Little Kanawha		.62	.24	1.77	.15				1.03					.95				1.16						.40					.20		.15	6.73
Grafton ‖	Monongahela		.27	*	*	1.55				T.				T.	.25				.12						.59					.25			3.01
Lost Creek	...do		.21	1.09	.32				T.					.73				.02	1.73					T.	.02				.65	T.	.03		4.80
Mannington	...do	.25	1.08	.12	.41				.15					1.16				.15	.14	.31				.50				T.	.64		T.		4.89
Morgantown	...do	.32	1.47	.27	.30				.11					.72				T.	.40	T.				.68	T.			T.	.10				4.37
Moundsville ‖	Ohio																																
New Cumberland ‖	...do			.83										.22					.71	.04					.01				.03				1.84
New Martinsville	...do	1.10	.90	.20	.10									.55					.30					.15									3.30
Parkersburg ***	Ohio	.51	1.82	.05	.20				.09				.26	.01				.07	.10					.01				.44	.04	T.	.04	.01	3.65
Parsons	Monongahela								*					2.90										*					*		2.00		4.90
Philippi	...do		.37	1.82	.49				.06					.60	T.			T.	1.05						.21				.95	.03	.04		5.68
Pickens	...do		.55		1.10				1.04					1.13					.73					.16	.84				.65	T.	.42		6.62
Rowlesburg	...do		.47	.15	.72	.07				.06				.62	.82				.67	.06					1.86				.10				5.60
Saint Marys ‖	Ohio	.22	.58	1.10	.30									.08	.20				.53	.08					.10				.10				3.29
Smithfield ‖	Fishing Creek	.06	.80	.58	.43					.36				.06	1.10				.66	1.42					.47				.20			.01	6.21
Terra Alta	Monongahela																																
Wellsburg	Ohio		.05	1.23	.22									.18					.47									.05					2.20
Weston	Monongahela			.74	.96				.34					.58				.36	.96						.44				.46		.11		4.95
Wheeling ‖	Ohio	T.	.02	.37	.03				T.					.75	.10	T.			.40	.07					.42				.02	.11			2.29
Southern Division.																																	
Bancroft ‖	Great Kanawha		.08	.61	1.03	.08				.35				.60	.04			.21	.03	.20					.06				.01			.12	3.42
Beckley	...do		.39	.49	.62				.61					.66		.73	.22	.11	.92		.07	.40		.44				.09			.37		6.12
Bluefield	...do	.34	.11	.06	1.49	.06			.07			.29	.02	.15		.03	.75	.25	1.00	.31		.96	.01		.04		.12	.28	.24	.16		.15	6.86
Camden-on-Gauley ‖	...do		.80		1.00														.87														2.67
Charleston ‖	...do			.30	.80	.40			T.	.25				.15	.20				.90	.60					.58				.50		T.	.10	4.87
Clay ‖	...do			1.12	.70	.50			.10	.08				.70	.90				.75	.39					.13	.02			.30				5.53
Cuba	Sand Creek	.10	.85	.10	.10				T.									.60	.50					.50							.20		2.95
Dam 19 O. R. ‖	Ohio	.36	.36	3.10	.55				T.	.14				.01	.10				.14						T.				.40	.01	T.	.04	4.96
Dam 20 O. R. ‖	...do	.15	.40	1.40	.08				.05	.04				.02	.08				.93	.02					.10						.12	.12	3.60
Dam 22 O. R. ‖	...do		.53	1.34	.30									.10					1.05	.10					.53							.15	3.90
Dam 26 O. R. ‖	...do			.13	.40					.35				.16																		.18	1.16
Gary	Big Sandy	.35	.17	1.65	.14			.10	.56				.05	.05			.85	.06	.17			.10		.10							.20	.08	4.67
Green Sulpr. Spgs	...do	.47		.48	1.40	.11				.54				.40		.62	.11		.25	T.	T.			.22	.30						T.	.14	5.04
Hinton	...do		1.20	.16	.36	.58				.10			.10	.54	.22		T.	.02		.10			.14		.20			.02	.26			.40	4.40
Huntington ‖	Ohio		.18	.74	1.62					.14				.28				.30	.01	.34					.24						T.	.06	3.91
Kanawha Falls ‖	Great Kanawha			.64	.55	.25				.70					1.20				.58	1.15					.15								5.42
Kayford	...do	.02	*	*	2.50	.25			.10	.14				.41	.44			T.	.38	1.15				.42	.02				.25	.29	T.	.05	6.48
Lewisburg	...do	.04	.08	.29	.89	.05			.16					.04			.33	.03	.58					.55			T.		T.	.14	.05		3.01
Logan	Guyandotte																																
Marlinton	Great Kanawha	.10	.83	.72	.41				.06					.22	.04	.08	.12		.14		.12	.42		.24	.06		1.68	T.		.06	T.	.04	5.34
Miller	Meadow Creek	.20		.42	1.26	.19				.10				1.59	.19			1.66		.61		.12	.16		.25		.16					.10	7.01
Point Pleasant	Ohio		.04	.20	.04				.04					1.26				.70	.17						.45						.18		3.06
Powellton	Great Kanawha	.58		1.10		.95	.01		.20		.03			1.55	.04	.01		.65	.85	.03					.33			.05	.06	.15		.05	6.64
Raleigh	...do	.15		.70	.90				.60				1.60	.20				.30	.50		.43	.30		.50							.38		6.56
Robertsburg ‖	...do		.65	.06	2.00				.04	.39				.10											.48							.17	3.89
Ryan	...do		.82	.60	.41				.53					.32				.02	.17					.13				.93			.20		4.13
Sharples ‖	Coal River																																
Spencer ‖	Little Kanawha		.58	1.58	2.16	.25			T.	.15				.05	.45				.18	T.					.15	T.			T.			.26	5.81
Sutton	Great Kanawha		.71	.64	.60				.38					.22				.15	1.04					.38	.28				.15		.18		4.73
Union	...do	.05		.10	1.70	.17			.10					.05	.12			.10		.58					.10		.22					.06	3.38
White Sulpr. Spgs ‖	...do	.95	1.50	.45				.16				.07			.05	.04	.11	.01	.01			.12					.04		.13	.52			4.16
Williamson ‖	Big Sandy	.15	.02	.94	1.55	.26			.36	.46				.10	.41			.21	.22	1.43					.41					.02	.08	.20	6.82

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for July, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	88	87	78	71	73	78	83	83	83	91	92	92	89	76	76	86	86	85	80	81	85	84	84	82	80	76	84	81	79	79	79	82.3
	Minimum	59	66	62	55	51	43	45	54	58	50	54	55	64	57	55	54	57	62	58	54	47	49	52	66	57	60	54	59	46	51	59	55.3
Brandywine	Maximum	90	90	85	70	74	84	85	84	85	87	91	94	85	80	82	85	88	90	85	80	86	89	90	87	85	76	87	88	89	78	80	84.8
	Minimum	57	64	62	58	55	50	53	60	61	58	60	61	65	58	59	60	61	60	62	59	58	54	59	62	63	66	64	63	54	62	55	59.5
Burlington	Maximum	92	94	83	69	74	81	87	80	86	90	93	94	87	78	80	86	90	84	84	83	87	88	93	90	85	78	88	86	85	79	85	85.2
	Minimum	59	64	67	60	56	54	50	62	63	57	63	64	67	61	64	60	63	67	62	59	54	60	58	67	65	67	60	62	52	56	63	60.8
Martinsburg§	Maximum	95	95	87	68	77	83	90	88	87	88	95	97	90	77	82	88	91	88	85	81	87	90	93	91	85	77	86	88	85	82	88	86.6
	Minimum	68	70	65	65	59	55	57	63	66	64	64	68	69	64	64	66	66	68	67	65	58	60	67	71	67	66	67	65	59	61	59	64.4
Moorfield	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Piedmont	Maximum	92	91	83	71	78	86	89	83	88	90	95	97	88	80	81	89	89	84	85	83	88	90	90	87	84	76	90	86	85	82	85	86.0
	Minimum	66	67	67	59	55	50	54	50	63	57	65	63	67	59	63	59	60	67	61	59	55	58	59	65	63	65	63	64	56	55	58	60.4
Romney	Maximum	93	92	76	73	80	83	90	88	84	90	91	97	94	79	80	80	....	....	....	....	....	88	87	87	86	81	87	86	81	81	87	85.5
	Minimum	56	68	66	60	56	50	55	64	63	58	64	64	66	62	65	[illegible]	....	....	....	....	....	61	60	66	64	66	60	62	60	53	60	60.8
Upper Tract	Maximum	90	89	84	79	80	84	84	84	84	85	88	90	89	86	86	85	87	86	82	81	84	85	86	90	87	86	85	85	85	81	82	85.1
	Minimum	65	65	64	58	50	49	54	55	56	57	57	61	62	62	63	61	62	61	60	59	54	54	58	60	60	61	60	53	52	53	60	58.3
Northern Division.																																	
Bens Run	Maximum	91	87	74	69	80	82	86	82	88	92	93	93	82	84	87	89	90	82	84	87	87	84	88	88	87	90	92	87	84	78	84	85.5
	Minimum	69	69	66	57	52	64	59	70	65	65	68	69	68	60	64	64	69	60	62	60	61	62	67	70	67	60	63	63	62	68	64	64.1
Buckhannon	Maximum	86	85	78	72	72	76	82	76	81	86	88	89	78	76	80	83	84	77	78	79	81	82	84	80	80	82	85	82	81	74	78	80.5
	Minimum	69	69	67	55	54	52	56	64	67	62	64	67	64	63	60	63	65	67	66	63	59	60	64	66	64	64	63	64	61	65	63	62.9
Cairo	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Creston	Maximum	94	87	77	71	80	86	89	81	91	94	95	95	86	84	89	92	91	82	85	86	88	91	91	89	88	92	94	88	86	80	87	87.4
	Minimum	69	68	68	56	51	50	56	65	66	63	64	66	68	61	69	60	65	67	64	58	60	61	63	69	66	60	64	64	60	60	63	62.4
Elkins	Maximum	86	86	76	64	73	78	83	75	82	89	89	99	76	77	80	84	83	77	78	80	82	83	85	82	80	82	85	82	82	70	78	80.5
	Minimum	68	68	64	55	52	50	54	62	61	56	60	62	61	60	60	61	63	66	62	59	57	58	60	67	64	60	60	58	54	62	62	60.2
Fairmont§	Maximum	88	86	72	64	76	77	83	75	85	88	91	92	77	82	85	87	85	78	82	84	86	87	86	85	83	85	87	83	83	73	80	82.4
	Minimum	68	68	68	55	53	51	55	65	66	61	66	66	70	59	62	64	67	67	63	61	59	61	64	69	64	62	63	66	59	57	59	62.5
Glenville	Maximum	96	90	78	75	83	86	90	90	90	96	97	98	98	85	90	92	94	91	88	90	91	91	92	92	91	93	95	90	90	83	89	90.1
	Minimum	68	67	68	55	54	54	56	64	66	62	63	65	68	61	61	62	66	65	63	60	61	62	63	69	66	63	64	65	60	66	64	62.9
Grafton§	Maximum	85	83	74	71	81	....	84	79	85	88	92	90	81	80	86	85	87	81	85	86	89	91	90	87	85	89	90	85	85	79	85	84.6
	Minimum	67	67	68	46	52	50	....	53	65	60	55	64	69	60	61	61	64	65	63	65	57	58	62	68	62	60	61	64	56	58	58	60.6
Lost Creek	Maximum	89	87	75	70	78	80	85	81	86	90	91	93	87	81	86	88	85	80	82	82	86	85	86	85	85	87	90	86	84	74	81	84.1
	Minimum	68	68	68	53	50	49	51	65	64	57	60	62	66	60	56	58	64	65	61	59	56	56	60	69	60	56	58	62	54	61	60	59.9
Mannington	Maximum	87	84	73	70	71	77	88	81	83	88	89	91	88	79	83	86	85	80	79	81	82	84	85	83	80	81	85	82	80	74	81	82.1
	Minimum	67	68	68	55	50	49	52	64	63	58	62	63	66	56	59	61	64	67	62	59	57	58	61	68	63	57	61	62	60	56	58	60.5
Morgantown	Maximum	89	88	74	70	78	80	84	82	86	90	92	94	91	82	83	88	89	86	81	84	86	88	87	85	83	87	88	84	83	79	83	84.6
	Minimum	71	67	67	54	52	52	56	68	63	64	69	68	65	58	65	66	69	68	62	59	59	60	65	70	62	65	64	64	58	56	56	62.6
New Cumberland§	Maximum	94	86	74	71	81	84	85	89	88	91	91	94	84	86	86	90	92	80	82	83	88	92	86	84	84	89	89	85	89	85	85	86.0
	Minimum	65	69	63	57	51	53	54	67	61	61	72	72	67	60	57	63	68	69	59	59	57	56	63	65	63	57	62	65	58	52	56	61.3
New Martinsville	Maximum	93	90	76	71	82	84	88	87	90	94	97	96	84	86	90	91	93	86	86	90	90	90	88	89	89	92	93	88	86	81	81	87.8
	Minimum	67	66	65	56	49	52	53	66	60	62	65	64	66	57	60	60	65	68	61	59	58	59	62	69	64	55	57	63	59	55	58	60.6
Parkersburg	Maximum	91	87	74	67	77	81	85	82	87	91	92	93	75	81	87	90	92	83	83	82	87	90	90	86	85	90	93	88	84	73	87	84.9
	Minimum	70	69	62	60	55	53	61	70	66	70	72	70	69	65	63	63	73	71	65	63	63	62	70	72	69	64	66	67	63	66	61	65.7
Parsons	Maximum	91	95	75	68	82	85	94	89	93	94	98	98	85	89	89	....	....	....	....	....	94	90	89	90	88	89	91	90	80	85	82	88.3
	Minimum	65	66	65	53	51	51	57	56	56	57	60	70	65	64	65	....	....	....	....	....	57	58	56	57	56	56	57	58	55	56	57	58.6
Philippi	Maximum	87	83	76	69	76	80	83	81	84	88	90	93	85	80	85	86	86	78	80	82	84	84	95	84	83	86	88	84	83	71	79	83.0
	Minimum	69	66	64	52	51	50	59	65	65	65	67	68	63	58	61	63	65	61	62	58	58	59	64	67	62	60	61	61	54	61	59	61.2
Pickens	Maximum	87	85	72	65	74	79	82	73	81	84	91	89	79	74	85	84	79	78	77	80	83	83	84	78	83	83	87	85	83	70	78	80.5
	Minimum	64	62	58	51	48	51	52	61	59	54	59	59	60	53	54	61	65	62	60	56	53	55	58	63	57	56	56	55	53	60	[illegible]	57.3
Terra Alta	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Wellsburg	Maximum	97	85	74	76	81	85	88	85	89	93	94	95	90	85	90	90	91	87	84	83	89	90	87	84	85	90	89	87	85	86	86	87.1
	Minimum	67	65	64	55	56	50	51	66	55	60	68	65	66	55	59	60	65	57	60	56	55	55	66	62	62	54	58	59	56	49	53	59.0
Weston	Maximum	91	90	91	77	78	80	85	76	85	89	91	95	86	80	83	86	86	80	81	81	85	86	87	85	86	86	87	85	86	75	81	84.5
	Minimum	64	62	68	68	54	52	56	68	67	61	65	71	67	62	59	62	62	67	63	62	59	61	64	70	65	66	63	64	57	65	63	63.1
Wheeling§	Maximum	94	91	74	74	85	87	90	86	91	96	98	99	77	89	91	92	95	86	88	85	90	94	88	89	82	93	92	87	88	85	89	88.6
	Minimum	67	68	65	56	49	55	55	62	57	63	70	68	68	59	62	62	68	68	58	57	57	58	60	65	65	57	66	65	63	58	58	61.6
Southern Division.																																	
Bluefield	Maximum	85	84	80	78	73	80	82	81	82	86	85	84	83	78	79	80	81	80	78	80	81	82	84	81	84	82	84	83	83	80	82	81.5
	Minimum	62	64	62	56	54	54	59	65	63	61	60	60	64	60	60	64	64	65	59	59	61	58	63	60	60	62	64	65	61	60	60	60.9
Charleston	Maximum	94	95	83	81	80	86	90	92	90	98	97	97	92	89	90	93	92	94	90	85	91	93	94	90	91	93	95	94	93	90	87	90.9
	Minimum	68	68	67	59	57	56	60	66	68	67	69	70	70	70	72	68	67	65	62	61	63	65	60	60	67	68	71	74	72	68	65	65.9
Gary§	Maximum	87	82	63	77	83	85	79	85	90	93	92	84	81	....	85	85	83	82	83	83	87	85	83	....	89	91	89	....	88	84	82	84.4
	Minimum	65	65	58	55	55	58	60	62	63	61	63	67	64	61	....	64	66	63	62	62	65	63	67	63	....	63	64	64	....	63	61	62.5
Green Sulphur Spgs.	Maximum	89	88	82	68	80	85	83	84	85	91	92	92	83	84	82	81	89	85	84	84	86	86	87	89	88	87	88	90	88	87	85	85.5
	Minimum	66	65	64	54	58	56	58	61	57	58	60	61	64	64	63	62	63	65	60	59	60	61	60	60	63	61	62	63	58	58	66	61.0
Hinton§	Maximum	85	85	81	65	75	80	83	78	85	88	89	86	83	81	80	81	85	82	80	82	81	86	89	86	86	85	84	88	86	76	83	82.7
	Minimum	64	66	66	61	55	55	55	60	63	63	65	65	65	65	65	66	66	67	65	61	62	63	63	65	66	66	65	65	64	65	66	63.5
Huntington§	Maximum	91	89	74	66	76	82	87	83	87	92	93	92	80	82	86	89	90	77	83	84	85	88	87	88	87	89	93	92	88	77	87	85.3
	Minimum	74	71	71	60	53	54	61	71	68	70	70	71	70	64	61	66	70	72	64	62	62	59	61	72	68	66	70	72	68	70	68	66.5
Lewisburg	Maximum	88	85	84	64	75	80	84	77	83	89	91	91	83	81	78	81	86	81	79	82	82	85	89	80	85	82	86	85	85	76	80	82.5
	Minimum	63	64	62	59	55	54	54	61	60	57	60	62	64	63	61	62	60	62	63	61	61	60	58	67	60	63	66	61	56	65	63	60.9
Marlinton	Maximum	78	80	74	72	72	72	76	72	76	80	88	84	76	70	72	74	72	74	76	74	76	74	78	74	76	74	76	78	76	74	72	75.5
	Minimum	60	60	56	50	48	52	48	54	56	50	56	58	60	58	61	58	56	60	58	56	54	50	54	58	56	54	58	56	56	56	54	55.5
Point Pleasant	Maximum	96	91	81	72	81	86	90	85	91	95	97	96	81	86	89	94	95	83	86	87	88	93	92	92	91	92	97	94	92	81	91	89.1
	Minimum	71	70	70	58	49	52	57	69	63	68	67	68	68	62	59	61	69	70	59	58	58	56	70	71	65	59	61	67	60	65	64	63.5
Powellton	Maximum	88	....	92	....	81	80	91	82	....	94	95	97	91	83	88	....	90	82	84	84	88	90	....	91	89	89	92	92	89	....	87	88.4
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Robertsburg§	Maximum	93	90	75	68	80	86	88	81	90	93	95	94	82	86	88	93	85	85	89	90	90	92	90	90	88	94	95	92	88	90	89	88.0
	Minimum	70	68	70	58	51	52	57	68	63	67	68	68	66	61	58	62	68	57	52	56	54	56	65	70	64	60	64	62	62	64	60	62.0
Ryan	Maximum	92	89	80	74	78	82	85	80	86	90	93	94	80	80	86	90	90	80	83	85	87	88	88	86	87	90	93	88	87	75	85	85.5
	Minimum	66	65	66	54	48	47	51	63	60	62	60	63	68	60	58	59	62	63	64	56	56	59	60	68	63	63	64	64	58	66	64	60.7
Spencer§	Maximum	91	87	75	67	81	81	85	79	87	89	91	92	75	80	85	88	90	78	83	82	87	89	88	88	82	88	91	89	85	87	83	84.6
	Minimum	69	68	70	56	53	50	50	68	63	65	66	67	68	62	60	63	67	69	63	59	59	60	61	70	67	62	60	65	59	62	63	62.7
Union	Maximum	89	....	88	76	76	83	83	84	...	88	91	90	90	82	84	....	84	85	81	83	84	85	....	88	88	87	86	89	89	...	83	85.3
	Minimum	62	....	61	59	55	52	54	60	...	....	59	62	62	61	62	....	69	60	61	61	60	56	....	59	57	62	64	60	59	...	62	59.6
White Sulphur Spgs§	Maximum	84	69	72	80	85	72	79	91	89	79	82	78	82	81	83	80	81	82	81	88	81	82	81	87	89	89	75	79	82	80	81	81.4
	Minimum	62	61	52	56	54	59	62	67	63	63	64	62	63	62	62	63	62	61	60	55	63	60	62	62	62	57	59	64	58	52	50	60.2
Williamson§	Maximum	86	89	76	63	74	80	81	78	85	88	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82.6
	Minimum	71	71	70	59	53	58	59	65	67	69	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	66.0

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXX. Parkersburg, W. Va., August, 1922. No. 8.

GENERAL SUMMARY.

The temperature averaged nearly 3° below the normal and the month was characterized by nearly continuously cool weather, although the temperature was moderately high for a few days during the second decade. The 21st-22d was exceptionally cool for the season, the lowest temperature of August record occurring at several stations on the 21st. In sections of Grant and Tucker Counties the temperature was slightly below the freezing point, causing considerable damage to buckwheat and gardens and slight damage to corn. While the rainfall averaged slightly below the normal, it was unfavorably distributed over the State and throughout the month. Over the central-western counties the amounts were excessive. At Parkersburg the 36-hour and 48-hour amounts were the greatest of record. Over most of the extreme eastern counties the conditions were decidedly droughty most of the month. The rainfall was also considerably deficient in most other localities from the 10th to the 24th. Crops were considerably damaged by drought in the eastern and northern counties, and heavy rain and high winds caused some damage to corn in the central-western counties; but the conditions were generally favorable for crop growth.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.04 and 30.03 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.30 inches on the 14th, and 29.69 inches on the 25th. Elkins, 30.31 inches on the 15th, and 29.68 inches on the 25th.

TEMPERATURE.

The monthly mean for the State, determined from 47 stations, was 68.9°. The departure from the normal for 43 stations having ten or more years of record was —2.8°. The temperature was generally slightly to somewhat below the normal from he 1st to the 15th, generally considerably below from the 20th o the 23d, and slightly below from the 26th to the 30th, with he lowest readings on the 21st and 22d. Moderately warm veather prevailed from the 15th to the 19th, with the highest emperatures occurring on the 17th and 18th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and lkins at 8 a. m. and 8 p. m., with the normals, were s follows: Parkersburg, 8 a. m., 82 per cent; 8 p. m., 73 er cent. The August averages for the same hours for the ast 34 years are 81 and 70 per cent, respectively. Elkins, 8 . m., 93 per cent; 8 p. m., 84 per cent. The August averges for Elkins for the same hours for the past 22 years are 90 nd 81 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 69 ations, was 3.87 inches. The departure from the normal for 7 stations having ten or more years of record was —0.07 inch. howers occurred in many localities from the 1st to the 3d, on e 7th and 8th, from the 14th to the 16th, and on the 19th. eavy rain occurred in most districts on the 24-25th. There were also scattered light showers on the 27th and 30th. The rainfall was much the heaviest on the 24-25th, but moderately heavy rain fell at several stations on the 3d, 7-8th, and 15th.

HAIL.

Light hail fell in sections of Taylor County on the 3d and Webster County on the 3d and 15th.

WIND.

The average wind velocity at Parkersburg was 3.9 miles per hour, or 0.3 mile below the August average for 32 years The average at Elkins was 3.2 miles per hour, or 0.4 mile above the August average for 23 years. The highest velocity at Parkersburg was 28 miles per hour from the northwest on the 18th, and at Elkins 18 miles per hour from the northwest on the 7th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 68 per cent of the possible amount, or 12 per cent above the August average for 25 years. The average at Elkins was 50 per cent, or 1 per cent below the August average for 23 years.

MISCELLANEOUS PHENOMENA.

Halos, lunar: Bayard, 7th, 8th, and 27th.
Halo, solar: Ryan, 21st.
Haze: Bayard, 6th, 11th, and 12th.
Thunderstorms (dates and number of stations reporting): 1st, 4; 2d 9; 3d, 16; 4th, 4; 7th, 12; 8th, 7; 9th, 1; 14th, 1; 15th, 4; 16th, 2; 17th, 3; 18th, 3; 19th, 1; 24th, 12; 25th, 9; 26th, 3; 30th, 1; 31st, 2.

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	69.8	......	......	5.48						
1892	72.1	96	41	2.55	......	......	......	......	......	......
1893	70.8	98	41	3.38	......	......	......	......	......	......
1894	71.5	103	38	2.07	5.15	0.27	......	14	12	5
1895	73.3	104	40	3.01	7.69	1.15	......	15	11	5
1896	72.6	97	40	2.82	5.69	0.88	......	15	12	4
1897	70.9	100	42	2.91	5.93	0.77	......	13	14	4
1898	73.7	96	44	7.51	11.57	4.40	......	12	12	7
1899	73.5	100	34	2.64	6.37	0.34	......	15	11	5
1900	76.0	100	45	3.15	7.20	1.03	......	17	10	4
1901	73.6	98	43	5.14	13.70	1.64	......	10	13	8
1902	70.4	98	35	2.40	6.05	0.97	......	15	13	3
1903	71.4	105	38	2.64	5.85	0.99	......	12	13	6
1904	70.7	95	32	2.88	6.71	0.67	......	15	10	6
1905	71.3	96	40	4.25	8.32	1.32	......	14	11	6
1906	75.4	98	47	5.15	10.72	2.18	......	10	13	8
1907	69.4	93	41	4.64	10.12	1.55	......	13	10	8
1908	70.9	101	37	2.82	5.63	0.84	......	15	10	6
1909	70.8	99	37	3.03	5.79	0.81	......	16	10	5
1910	70.8	98	39	2.03	5.58	0.70	......	17	10	4
1911	73.5	105	40	6.71	12.14	2.38	......	13	10	8
1912	69.3	95	35	3.64	11.70	0.25	......	10	13	8
1913	72.7	102	37	3.18	8.20	0.79	......	19	7	5
1914	71.8	100	40	4.86	9.29	1.38	......	15	9	7
1915	69.4	99	36	4.84	8.36	2.46	......	10	11	10
1916	72.9	104	40	4.76	15.35	1.46	......	14	9	8
1917	71.6	102	39	3.53	8.80	0.94	......	17	8	6
1918	76.0	110	43	3.96	9.15	0.63	......	17	8	6
1919	70.2	100	40	4.54	8.67	0.95	......	16	9	6
1920	71.1	95	42	4.27	9.28	1.69	......	9	10	12
1921	69.7	98	37	5.20	9.46	2.13	......	16	8	7
1922	68.9	98	31	3.87	7.51	1.20	......	14	9	8
Means and extremes	71.8	110	31	3.87	15.35	0.25	......	14	11	6

Climatological Data for August, 1922.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	21	65.5	− 0.5	90	18	31	21	50	5.76	+1.15	2.40	0	13	12	12	7	w.	U. G. Clark.
Brandywine	Pendleton	......	6	68.8	......	89	17	37	21	42	2.95	......	0.85	0	7	25	1	5	sw.	Elmer Keister.
Burlington	Mineral	875	28	69.2	− 2.0	93	18	40	20	43	2.27	−1.53	0.85	0	4	12	15	4	w.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	33	......	......	......	......	......	......	....	2.08	−1.74	0.75	0	6	......	......	......	......	J. C. Newcomer.
Martinsburg	Berkeley	435	30	71.4	− 1.6	92	18	47	21	35	2.31	−1.56	0.73	0	10	19	8	4	n.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	26	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	M. S. Henkel.
Piedmont	Mineral	919	9	70.8	......	95	18	41	21	48	2.02	......	0.85	0	9	......	......	......	......	C. A. Suter, Jr.
Romney	Hampshire	824	24	69.4	− 3.5	90	17†	38	21	44	1.87	−1.09	0.58	0	8	9	15	7	......	Geo. E. Arnold.
Stony River Dam	Grant	......	2	......	......	......	......	......	......	....	3.71	......	1.92	0	11	3	8	20	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	23	64.8^{b}	− 6.2	88^{b}	6	38^{b}	20†	43^{b}	2.43	−1.32	0.98	0	6	15	7	9	w.	J. M. Mallow.
Wardensville	Hardy	1,200	4	......	......	......	......	......	......	....	......	......	......	0	......	......	......	......	......	Luther F. Sutton.
Averages and	extremes	......	....	68.6	− 2.8	95	18	31	21	50	2.82	−1.02	2.40	0	8	14	9	8	w.	
Northern Division.																				
Bens Run	Pleasants	622	20	71.6	− 2.2	93	19	49	21	38	3.07	−1.17	1.35	0	8	23	4	4	......	J. D. Riggs.
Bruceton Mills	Preston	1,549	2	......	......	......	......	......	......	....	3.08	......	......	0	9	2	23	6	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	25	68.0	− 2.3	87	18	41	22	40	2.05	−2.05	0.51	0	7	17	7	7	......	H. A. Darnall.
Cairo	Ritchie	680	23	70.2	− 2.6	92	16†	42	21†	47	5.20	+1.58	2.48	0	9	13	8	10	......	O. C. Hess.
Cheat Bridge	Randolph	3,558	4	59.2^{a}	......	82^{a}	23	34	22	41^{a}	4.69	......	1.26	0	14	21	2	8	......	H. F. Cromer.
Cortland	Tucker	3,300	11	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	G. W. Harmon.
Creston	Wirt	701	20	71.3	− 2.1	95	17	46	21	45	7.51	+4.06	3.04	0	10	17	6	8	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	1	......	......	......	......	......	......	....	3.94	......	1.60	0	8	......	......	......	s.	Lockmaster.
Dam 12 O. R.	Ohio	614	6	......	......	......	......	......	......	....	1.68	......	0.54	0	12	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	605	6	......	......	......	......	......	......	....	1.20	......	0.41	0	10	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	1	......	......	......	......	......	......	....	3.43	......	1.64	0	9	......	......	......	s.	Lockmaster.
Davis	Tucker	3,093	13	......	......	......	......	......	......	....	3.50	−1.48	1.87	0	7	......	......	......	......	Ross C. Male.
Elizabeth	Wirt	646	10	......	......	......	......	......	......	....	6.50	......	1.72	0	10	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	21	66.2	− 2.2	87	18	42	21	38	2.96	−0.69	1.13	0	11	6	13	12	w.	U. S. Weather Bureau.
Fairmont	Marion	883	16	69.4	− 3.8	93	17	47	21	37	3.94	+0.40	2.03	0	9	20	2	9	w.	Creed E. Bolyard.
Glenville	Gilmer	738	28	73.1	− 0.8	96	15†	46	21†	48	5.14	+1.23	1.58	0	11	19	7	5	w.	Howard R. Brannon.
Grafton	Taylor	1,000	29	70.0	− 1.7	95	17†	40	21	49	4.16	+0.24	......	0	9	3	23	5	e.	W. C. Byers.
Lost Creek	Harrison	1,026	24	67.9	− 3.1	91	17	37	21	48	3.17	−0.95	0.87	0	8	11	12	8	w.	Allen Smith.
Mannington	Marion	974	19	68.0	− 2.9	90	17	39	21	44	2.84	−1.08	1.35	0	10	15	7	9	sw.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	29	70.4	− 1.9	93	17	42	21	39	4.37	+0.17	1.48	0	5	1	17	13	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	19	66.0^{a}	− 6.9	88^{a}	17	43	21	37^{a}	1.59	−2.00	1.25	0	7	17	10	4	se.	G. W. Wright.
New Cumberland	Hancock	987	24	70.6	− 0.3	98	17	45	21	43	2.02	−1.46	1.03	0	8	19	6	6	......	Geo. W. Derouin.
New Martinsville	Wetzel	634	28	71.5	− 2.6	97	17	44	22	47	2.92	−0.58	1.60	0	7	24	3	4	s.	Wm. Ankrom.
Parkersburg	Wood	638	35	72.3	1.0	93	18	52	22	37	7.44	+3.91	3.15	0	9	13	9	9	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	22	69.0	− 0.2	91	15	42	21†	38	3.40	−0.39	......	0	5	18	6	7	......	J. W. Swisher.
Philippi	Barbour	1,149	25	68.0	− 3.7	90	17	40	21	38	2.73	−1.32	0.89	0	10	12	8	11	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	19	64.6^{a}	− 2.2	89^{a}	18	38^{a}	21	41^{a}	4.75	−0.36	1.22	0	10	15	9	7	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	35	......	......	......	......	......	......	....	2.96	−0.91	1.73	0	10	......	......	......	w.	J. F. Pierce.
Saint Marys	Pleasants	577	13	......	......	......	......	......	......	....	3.86	−0.90	1.55	0	10	......	......	......	sw.	Wm. Hughes.
Smithfield	Wetzel	835	16	68.4	− 2.6	91	17	42	21†	45	4.76	+0.30	1.51	0	11	18	7	6	sw.	G. M. Whisler.
Terra Alta	Preston	2,612	21	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	N. F. Kidd.
Wellsburg	Brooke	1,225	21	69.3	− 1.1	94	16	40	21†	49	3.42	−0.42	1.05	0	8	18	5	8	......	George P. Pfister.
Weston	Lewis	1,026	26	69.6	− 3.4	92	16	44	21	40	2.41	−1.52	1.03	0	8	10	13	8	......	Weston State Hospital.
Wheeling	Ohio	645	35	71.6	− 1.8	98	17†	45	21†	49	1.64	−2.03	0.44	0	11	14	8	9	w.	Miss M. B. Forsyth.
Averages and	extremes	......	....	69.0	− 2.1	98	17†	34	22	49	3.64	−0.30	3.15	0	9	14	9	8	w.	
Southern Division.																				
Bancroft	Putnam	574	18	69.5	− 4.1	89	18	47	11	38	3.59	−0.83	1.08	0	12	14	5	12	sw.	M. Frazier.
Beckley	Raleigh	2,440	22	63.5	− 6.4	78	22†	44	20†	32	5.37	+2.31	1.53	0	9	10	10	11	sw.	E. E. Phipps.
Bluefield	Mercer	2,558	27	67.9	− 3.0	84	7	44	19†	39	1.91	−2.51	0.37	0	12	17	5	9	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	7	......	......	......	......	......	......	....	5.55	......	1.60	0	7	15	0	16	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	19	72.6	− 3.0	93	17	52	28†	36	6.09	+1.73	1.84	0	12	11	3	17	sw.	C. V. Lewis.
Clay	Clay	706	6	......	......	......	......	......	......	....	1.80	......	1.00	0	9	......	......	......	......	Mark King.
Cuba	Jackson	650	20	69.5	− 2.6	90	16†	46	21	41	4.55	......	0.95	0	9	7	17	7	w.	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	6	......	......	......	......	......	......	....	7.25	......	3.37	0	13	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	6	......	......	......	......	......	......	....	5.74	......	1.66	0	11	......	......	......	......	Lockmaster.
Dam 22 O. R.	Jackson	538	7	......	......	......	......	......	......	....	3.85	......	1.24	0	6	......	......	......	sw.	Lockmaster.
Dam 26 O. R.	Mason	505	6	......	......	......	......	......	......	....	3.96	......	1.09	0	9	......	......	......	......	U. S. Engineer Office.
Gary	McDowell	1,426	6	69.5^{a}	......	91^{a}	17	48^{a}	20	35^{b}	2.30	......	0.80	0	12	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	26	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	W. H. Gwinn.
Hinton	Summers	1,450	25	69.2	− 4.5	90	18	50	10†	34	3.50	−0.36	0.64	0	13	11	0	20	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	28	72.0	2.8	90	17†	50	10	32	2.86	−0.85	0.83	0	9	15	6	10	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	3	......	......	......	......	......	......	....	4.48	......	1.50	0	6	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	6	......	......	......	......	......	......	....	4.05	......	0.98	0	10	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	22	66.8	− 3.1	85	15†	40	21	37	4.67	+1.11	1.70	0	14	17	9	5	nw.	Geo. T. Argabate.
Logan	Logan	687	19	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	C. & O. R. R.
Marlinton	Pocahontas	2,131	23	60.9	− 6.3	78	6†	40	21†	34	6.57	+1.94	2.13	0	15	3	24	4	sw.	S. L. Brown.
Miller	Fayette	......	2	......	......	......	......	......	......	....	6.42	......	3.00	0	12	......	......	......	......	J. R. Bays.
Point Pleasant	Mason	553	29	74.0^{b}	− 0.6	96	7	49^{b}	10†	40^{c}	3.90	+0.78	1.54	0	8	17	3	11	......	W. D. Holmes.
Powellton	Fayette	933	26	......	......	94^{b}	18	......	......	....	4.75	+1.10	1.27	0	15	16^{b}	0^{b}	7^{b}	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	6	......	......	......	......	......	......	....	4.49	......	1.10	0	9	......	......	......	......	Raleigh Coal & Coke Co.
Robertsburg	Putnam	574	22	71.4	− 3.0	98	18	44	21	46	5.56	+2.31	1.40	0	11	22	0	9	......	E. C. Brace, Jr.
Ryan	Roane	700	19	69.4	− 1.2	92	17†	41	21	44	4.32	+0.46	1.47	0	11	15	10	6	......	Wm. E. Ryan.
Sharples	Logan	......	2	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	C. E. Rippetoe.
Spencer	Roane	784	18	69.0	− 3.7	90	17	44	21	42	5.04	+1.48	1.30	0	12	7	21	3	......	A. M. McKown.
Sutton	Braxton	839	16	67.6	− 8.2	87	19†	47	21	34	5.39	+1.65	2.03	0	6	25	0	6	......	C. B. Eakle.
Union ^{b}	Monroe	2,250	18	68.5	− 2.1	89	17	39	21	43	2.62	−1.23	0.75	0	11	......	......	......	......	W. M. H. Young.
White Sulphur Springs	Greenbrier ††	1,940	12	67.1	......	88	4†	42	21†	40	2.59	......	1.15	0	11	24	5	2	......	J. M. Ayres.
Williamson	Mingo	660	22	71.0	− 3.9	90	18	54	10†	35	4.62	+1.08	2.35	0	11	16	10	5	......	J. F. Keyser.
Averages and	extremes	......	....	69.0	− 3.7	98	18	39	21	46	4.47	+0.64	3.37	0	10	14	7	10	sw.	
State averages and	extremes	......	....	68.9	− 2.8	98	17†	31	21	50	3.87	−0.07	3.37	0	10	14	9	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for August, 1922.

Stations.	Drainage-basin.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac		.28	.36	.02	.05		.04	.32							.19	1.28	T.		T.					2.40	.62	T.	.10	.02		.08		5.76
Brandywine	...do		.20					.65	T.						.75	.05	.10								.85			.35			T.	T.	2.95
Burlington	...do	T.		.80				T.							.50		T.									.85		.12			T.		2.27
Harpers Ferry |||	...do								.40						.52	.18	.12									.11			.75				2.08
Martinsburg	...do	.10		.20	.05			.08						*	.55	.05	.27								.28			.73					2.31
Moorefield	...do																																....
Piedmont	...do	.25	.06	T.				.03	.11							.50	.05								.85			.12			.06		2.02
Romney	...do	.58	.40	.42				.03	.10						.16										.12						.06		1.57
Stony River Dam |||	...do		.38	.02	.07					.18						.68	.05									1.92	.02		.18		.10	.05	3.71
pper Tract	...do	.98	.15					.10	.20						T.					T.					.80				.20		T.		2.43
Wardensville |||	...do																																....
Northern Division.																																	
Bens Run	Ohio			.75				.20	.39																1.35	.05	.10	.10			.13		3.07
Bruceton Mills |||	Monongahela	.59	.30	T.	.47			.04	.09						T.					T.					*	1.50		.02			.07		3.08
Buckhannon	...do			.38				.51	.30						T.	T.				.50					.15	.16		.05					2.05
airo	Little Kanawha		.27	.43	T.			.63	.29			T.													2.48	1.00		.05	.03	T.	.02		5.20
heat Bridge |||	Monongahela			.17	.68				1.10	.31						.13	.31		.06						.05	1.26	.30	.02	.11		.15	.04	4.69
ortland	...do																																....
reston |||	Little Kanawha	.16	.08	.97	.13				1.30	T.			.10				T.								.26	1.41	3.04	.06	T.		T.	T.	7.51
Dam 10, Mon. R. |||	Monongahela		.24	1.38	.03	.15			.24																.18	1.60					.12		3.94
am 12, O. R. |||	Ohio		.15		.28	.10		.03	.05	.15										.22					.54	.05	.05		.01		.05		1.68
am 13, O. R. |||	...do		.01	.04		.06		.30	.15	.03										.14					.41			.01			.05		1.20
am 15, Mon. R. |||	Monongahela		.49	.37	.02	.04			.46											.01					.29	1.64					.11		3.43
avis	...do			.20					.30	.29						.40										1.87			.17			.27	3.50
lizabeth |||	Little Kanawha	.07	.32		.42				1.72																.63	1.60	1.51	.07	.07		.09		6.50
lkins ***	Monongahela	.15	.06	.17				.41	.73		T.				.11	T.	T.			.01					1.12	.07		.08			.05		2.96
airmont |||	...do	T.	.50	.24	.06	.01			.54	.17										T.					.27	2.03	T.		T.		.12		3.94
lenville |||	Little Kanawha		.32	.06	.17				.94	.18						T.				.05					.38	1.58	1.32	.04			.10		5.14
rafton |||	Monongahela		.40	.44	.02					.25	.08														*	2.37			.05		.55		4.16
ost Creek	...do	.04	T.	.87	T.			.28	.72							T.				T.				.82	.08	.06	T.				.30		3.17
annington	...do	.26	.08	.32	.03			.14	.40																1.35	.11		.01			.11		2.81
organtown	...do	.45	.86	T.	1.48			T.	.20																1.38								4.37
oundsville |||	Ohio				.02	.01			.03	.02					T.					.01					1.25	T.	T.	T.	.25		T.		1.59
ew Cumberland |||	...do			.23	1.03			.03	.16	.09										.34					.11				.03				2.02
ew Martinsville	...do			.50				.05	.32											.05					1.60	.10					.30		2.92
arkersburg ***	Ohio		.14	.51				.58	.13			T.				T.			.09	.01					3.09	2.82		.07		T.	T.		7.44
arsons	Monongahela	T.		*				*							*										*						3.40		3.40
hilippi	...do	.05		.81	.02			.18	.24			T.			T.		T.			T.					.89	.20	.06	.02			.26		2.73
ickens	...do			.25				.63	1.20						T.	.09	.11	T.		.18					1.22	.10	.86	.11					4.75
owlesburg |||	...do		.06	.14	.12				.52	.25															.03	1.70	.05		.04		.05		2.96
aint Marys |||	Ohio	T.	T.	.12	.62	T.		.02	.92																.13	1.42	.46	.10	.03		.04		3.86
mithfield |||	Fishing Creek		.11	1.51	.11	.04			.75	.02															1.48	.13	.06	.02			.53		4.76
erra Alta	Monongahela																																....
ellsburg	Ohio		.14	.75				.05	1.05								.05	T.		.68					.60	.10							3.42
eston	Monongahela		.27	1.03	.01			.04	.15																.75	.14				.02			2.41
heeling |||	Ohio		.15	T.	.30			.03	.10	.06							T.			.30						.44	.04	.09	.01		.12	T.	1.64
Southern Division.																																	
ancroft |||	Great Kanawha	.05		.02	.67				.07							.01				.07					.38	.66	.29	.20			.09	1.08	3.59
eckley	...do		.62	1.18				.26	.31		.17				.57	.67				.06					1.53								5.37
luefield	...do	.07		.06					.30		.18	.07			.01		.09					.02			.20	.23		.37				.31	1.91
amden-on-Gauley |||	...do			1.00				.20	.80						.75	1.00		.20							1.60			T.					5.55
harleston |||	...do	.30		T.	.42	.12		T.	.30								1.61	.20		.04					.30	1.60	.42	T.	T.		.15	.60	6.09
lay |||	...do		.10						.60								1.00								*	*	*	*	*		.10		1.80
uba	Sand Creek		.35	.30				.90	.85															.40	.60	.95		.10		.10			4.55
am 19 O. R. |||	Ohio	.02	.28	.04	.62			.02	1.00	.04										.08					.90	.81	3.37	.03	T.		.04		7.25
am 20 O. R. |||	...do		.20	.30	.23				1.65	.02							T.			.19					.93	.36	1.66	.05			.15		5.74
am 22 O. R. |||	...do	.25							1.24																.60	.35	1.16	.25					3.85
am 26 O. R. |||	...do	.12			.65				.02											.28					.72	1.09		.10			.30	.68	3.96
ry |||	Big Sandy			.05				.30			.14			.14	.15	.05	.05								.80	.15	*	.42				.05	2.30
reen Sulpr. Spgs.	...do																																....
inton	...do	.64	.42	.28	.32		.16		.36			.20			.14	.06	.08	.04							T.	.58		T.	.22			T.	3.50
untington |||	Ohio	.56		.01	.64															.20					.46	.37		.12			.08	.42	2.86
anawha Falls |||	Great Kanawha	1.30			.30				T.								.10	.96							T.	1.50	.32				T.		4.48
ayford	...do	1.09	.06	.58	.98				T.	.11		.05					.14	T.		T.						.82	T.	.13				.09	4.05
ewisburg	...do	.48	T.					.35	.52		.17	.16			.16	.09	.18	T.		T.					1.70	.29	.02	.21			.02	.32	4.67
ogan	Guyandotte																																....
arlinton	Great Kanawha		.12	.34				.46	.44			.16			.14	.26	T.	1.78		.06					1.86	.27	.06	.37			.07	.18	6.57
iller	Meadow Creek		.27		.04				.07								2.43					.07			.02	3.00	.13	.07	.11		.05	.16	6.42
oint Pleasant	Ohio	.24							.98											.10			1.54			.46	.14	.16			.28		3.90
owellton	Great Kanawha	.91	.01	.34		.07		.01	.20	.01		.08					.12			.06					1.27	.68	.35				.07	.57	4.75
aleigh	...do	.85		.32	.84				.43			.35			.15	.20										1.10			.25				4.49
obertsburg |||	...do	.27		.09	.55					.12										.16					1.05	1.40	1.25	.06			.19	.42	5.56
an	...do		.43	1.47				.03									.02			.05					1.43	.57	.01	.10			.13	.08	4.32
arples |||	Coal River																																....
encer |||	Little Kanawha	T.	.08	.40	.18				.20	.29			.90							.10					.33	1.04	1.30	.08			.14	T.	5.04
tton	Great Kanawha			.45				.18	.47																2.03	.86	1.40						5.39
nion	...do	.75	.07	.10			.02	.50			.34		.05													.30	.04	.25				.20	2.62
ite Sulpr. Spgs. |||	...do			.55				.20			.22			.04	.18					.04				1.15	.03		.15			.01	.02		2.59
lliamson |||	Big Sandy	2.35	.24		.20				.04							T.				.04	.01				.62	.80	.12	.18	.02			T.	4.62

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for August, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	78	76	75	77	78	85	83	76	72	73	76	76	83	80	84	85	84	90	89	78	76	85	89	89	81	80	73	74	74	79	81	80.0
	Minimum	55	55	56	47	48	43	51	58	53	48	48	49	49	55	56	60	60	52	60	45	31	35	48	57	65	58	50	49	40	50	50	51.0
Brandywine	Maximum	82	81	84	87	86	85	87	86	87	85	80	78	80	81	84	87	89	87	85	80	78	82	86	75	84	82	75	78	80	81	87	82.9
	Minimum	60	58	60	59	62	49	52	55	58	54	56	52	49	52	62	63	60	57	54	49	37	40	48	60	65	60	52	56	50	53	54	54.7
Burlington	Maximum	83	81	80	83	84	86	76	85	74	78	78	78	82	80	85	88	89	93	90	82	85	86	89	80	86	85	80	82	80	78	84	82.9
	Minimum	60	58	54	56	54	51	60	60	58	54	57	55	53	65	63	65	59	70	64	40	42	45	46	44	50	57	58	60	43	58	57	55.4
Martinsburg§	Maximum	84	83	77	84	85	88	80	84	79	81	82	78	81	81	83	91	88	92	85	77	79	84	89	79	85	86	69	74	83	79	85	82.4
	Minimum	62	62	61	58	59	60	62	65	57	54	59	60	57	63	65	69	64	65	68	60	47	49	54	62	66	69	66	58	53	54	60	60.3
Moorfield	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Piedmont	Maximum	83	80	83	83	84	90	83	82	76	82	84	85	86	81	88	87	93	95	90	79	83	92	92	83	84	84	70	78	80	80	84	84.0
	Minimum	60	58	60	55	56	52	58	60	58	60	56	55	55	66	65	65	60	62	67	53	41	44	56	61	67	62	59	55	50	54	58	57.7
Romney	Maximum	80	80	79	79	85	85	80	80	79	78	78	77	75	84	86	85	90	90	87	84	81	86	86	85	83	85	84	80	79	82	86	82.5
	Minimum	60	58	55	55	56	53	51	60	55	55	56	54	54	62	64	65	58	61	62	51	38	42	54	63	63	65	57	52	48	58	60	56.3
Upper Tract	Maximum	82	80	76	....	87	88	87	86	75	76	76	77	76	74	74	72	71	72	...	78	80	81	84	85	85	84	84	85	82	80	81	79.9
	Minimum	60	59	56	....	50	50	50	51	53	53	51	51	50	49	48	56	57	58	....	38	38	38	43	44	45	46	50	51	50	45	55	49.8
Northern Division.																																	
Bens Run	Maximum	82	84	80	82	83	87	79	75	77	80	83	85	87	85	91	91	93	92	91	81	80	88	87	77	84	80	77	79	79	84	83	83.4
	Minimum	65	62	61	59	59	60	60	64	56	51	56	61	60	61	64	64	63	56	64	55	49	50	65	69	69	57	60	54	54	63	63	59.8
Buckhannon	Maximum	77	78	72	74	78	80	75	79	73	74	78	78	80	78	81	85	86	87	81	75	73	81	82	78	80	78	71	71	78	78	78	78.0
	Minimum	65	64	58	54	56	52	61	62	60	56	51	55	57	63	61	62	60	61	68	54	43	41	60	67	66	63	59	48	48	59	65	58.0
Cairo	Maximum	82	82	82	85	84	86	74	80	76	79	83	83	86	87	90	92	92	92	87	77	81	89	88	76	86	80	74	78	81	82	82	83.1
	Minimum	60	58	60	55	58	55	65	67	52	48	54	52	57	57	60	60	60	61	68	50	42	42	65	69	67	57	57	50	49	59	61	57.3
Creston	Maximum	84	80	82	86	83	89	80	83	74	81	85	85	86	89	89	91	95	94	86	80	81	92	90	75	85	80	78	79	83	84	84	84.3
	Minimum	63	61	59	55	60	54	65	60	56	50	55	57	58	60	61	60	61	62	68	52	46	47	62	68	66	58	60	52	50	59	62	58.3
Elkins	Maximum	76	73	68	76	77	81	73	76	70	74	74	78	82	77	82	83	85	87	80	66	75	82	82	73	82	76	61	71	75	77	76	76.4
	Minimum	60	58	57	53	55	51	58	62	59	55	56	52	54	61	61	62	60	58	61	48	42	44	54	63	66	57	53	51	47	54	60	55.9
Fairmont§	Maximum	81	80	77	80	81	85	74	69	74	78	77	83	84	79	89	88	93	90	85	77	80	86	87	73	89	81	67	77	75	80	80	80.4
	Minimum	63	60	58	55	58	57	62	62	57	53	55	55	57	61	63	64	62	64	68	52	47	49	55	62	67	60	60	56	53	57	60	58.5
Glenville	Maximum	88	84	80	86	86	90	90	83	78	83	87	88	88	89	96	94	96	96	95	90	85	94	94	87	88	85	84	82	85	85	85	87.8
	Minimum	61	60	59	56	59	55	62	60	60	51	57	58	58	60	62	60	60	61	67	52	46	46	60	68	67	60	59	53	52	60	60	58.4
Grafton§	Maximum	83	81	78	84	85	89	74	77	72	80	81	82	86	81	92	89	95	95	88	76	89	92	94	80	87	87	65	79	80	82	81	83.4
	Minimum	61	60	58	54	57	54	60	60	58	51	53	51	54	62	61	61	60	60	67	50	40	43	58	66	67	59	58	53	49	50	59	56.6
Lost Creek	Maximum	80	78	77	80	82	84	78	77	73	77	80	80	82	82	87	90	91	90	85	76	79	87	87	78	83	80	75	76	80	80	81	81.1
	Minimum	64	56	54	50	56	49	55	61	58	51	52	49	53	58	60	59	58	58	67	47	37	39	56	65	64	58	57	48	44	56	57	54.7
Mannington	Maximum	79	78	72	78	79	83	76	75	72	75	79	79	82	79	86	85	90	88	85	79	76	85	85	79	81	78	73	73	74	77	78	79.4
	Minimum	61	58	59	55	56	54	64	62	55	48	52	52	55	57	59	61	60	60	66	49	39	41	60	67	69	56	59	51	48	61	60	56.6
Morgantown	Maximum	82	80	76	82	82	85	78	75	74	78	79	81	84	81	90	90	93	91	86	76	79	87	89	80	81	81	72	76	76	81	81	81.5
	Minimum	64	58	57	56	57	57	67	62	55	51	60	58	59	62	64	64	64	66	68	51	42	48	66	66	68	59	57	54	52	61	61	59.2
New Cumberland§	Maximum	82	83	79	84	89	87	80	73	75	78	82	90	86	88	92	94	98	97	81	75	80	90	90	77	85	78	75	82	71	85	85	83.6
	Minimum	59	57	60	58	57	59	59	63	52	50	53	54	51	55	59	65	64	67	69	65	45	47	50	71	69	53	58	51	51	60	56	57.6
New Martinsville	Maximum	85	87	80	84	87	90	82	77	80	81	85	87	88	89	95	95	97	94	89	80	84	91	90	81	86	83	78	83	80	86	86	85.9
	Minimum	59	60	59	55	58	55	66	61	56	50	52	55	56	56	61	60	59	62	66	49	45	41	59	66	68	54	58	51	50	60	60	57.1
Parkersburg	Maximum	80	83	82	85	83	88	79	77	74	77	80	81	83	85	89	91	92	93	84	75	79	89	86	74	86	80	75	79	80	83	83	82.4
	Minimum	65	65	62	58	65	58	66	63	57	56	59	63	63	62	67	66	65	69	66	59	53	52	70	69	68	58	61	55	57	64	66	62.2
Parsons	Maximum	82	80	76	85	87	86	80	78	85	81	84	88	87	85	91	90	89	90	85	74	78	80	89	75	89	85	75	79	78	82	85	83.3
	Minimum	57	57	59	56	57	58	56	55	58	56	57	56	58	49	60	60	60	60	59	48	42	42	51	56	60	51	50	50	48	55	59	54.8
Philippi	Maximum	77	78	75	78	79	84	73	78	71	75	78	79	82	80	85	87	90	89	82	74	78	85	84	77	82	78	70	75	78	78	79	79.3
	Minimum	55	56	55	52	56	52	64	61	56	52	56	52	55	63	61	61	60	60	67	49	40	53	63	65	66	61	56	47	49	57	57	56.7
Pickens	Maximum	77	75	68	76	79	82	70	75	71	79	75	72	80	81	80	83	85	89	80	69	75	83	85	70	78	76	60	72	75	....	77	76.6
	Minimum	59	52	50	47	53	49	56	59	55	53	50	55	53	50	57	58	55	55	58	45	38	42	53	60	63	56	50	42	47	....	54	52.5
Terra Alta	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Wellsburg	Maximum	86	85	77	84	87	88	80	76	76	80	82	84	86	85	92	94	92	93	91	76	83	89	87	81	84	79	74	80	76	84	85	83.7
	Minimum	54	55	54	56	55	53	67	56	55	46	49	51	53	51	59	60	58	61	65	49	40	40	60	64	65	57	56	48	46	59	56	54.9
Weston	Maximum	80	75	80	82	85	78	80	75	76	78	81	84	81	86	89	92	90	85	83	79	81	85	79	84	80	77	75	79	80	80	80	81.3
	Minimum	66	60	58	54	59	53	65	64	60	54	56	54	57	52	62	63	61	62	69	53	44	45	60	58	69	62	60	50	49	59	60	58.0
Wheeling§	Maximum	84	87	83	85	90	92	82	74	83	83	87	90	93	90	96	95	98	98	89	80	85	94	91	73	89	86	79	86	76	85	84	86.7
	Minimum	60	57	58	55	57	57	60	55	55	48	51	54	55	55	62	63	61	64	66	51	45	45	50	69	69	55	55	50	51	60	58	56.5
Southern Division.																																	
Bluefield	Maximum	80	78	76	78	77	79	84	81	79	75	71	76	77	78	83	80	83	83	82	78	83	80	83	80	78	79	74	81	80	82	80	79.3
	Minimum	62	60	58	57	56	57	56	64	61	50	55	55	56	60	66	60	56	59	44	50	44	56	59	66	61	65	48	45	47	56	62	56.5
Charleston	Maximum	85	84	85	89	90	89	85	84	78	80	82	88	89	89	90	91	93	92	89	87	89	90	87	78	87	85	80	80	83	84	85	86.0
	Minimum	63	62	60	60	60	62	61	60	61	53	55	59	60	61	65	64	65	63	61	58	53	55	56	57	65	61	60	52	54	52	55	59.1
Gary§	Maximum	80	79	81	83	87	88	85	76	74	77	81	83	74	85	85	85	91	89	76	80	84	81	75	83	...	78	76	80	84	82	80	81.4
	Minimum	61	58	54	56	59	58	64	64	49	54	59	54	64	62	62	58	59	62	59	48	49	56	64	63	65	....	49	52	54	57	56	57.6
Green Sulphur Spgs.	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Hinton§	Maximum	81	77	77	79	81	84	85	83	75	72	75	79	80	73	84	85	88	90	82	77	77	82	86	70	88	84	68	79	85	86	85	80.5
	Minimum	62	60	60	58	59	60	60	60	64	50	50	55	55	61	65	61	60	61	62	57	50	50	52	60	64	64	60	53	51	52	60	57.9
Huntington§	Maximum	84	84	78	84	83	86	82	82	75	77	81	82	85	85	87	89	90	90	87	78	80	85	90	76	85	80	74	77	81	84	81	82.6
	Minimum	67	64	63	61	63	60	61	70	59	50	56	59	62	62	67	66	65	65	70	60	51	53	58	70	66	60	61	56	54	58	66	61.4
Lewisburg	Maximum	80	77	76	78	81	84	84	81	73	70	73	77	77	74	85	83	83	85	79	73	74	81	85	76	82	79	70	73	79	83	76	78.4
	Minimum	58	56	54	51	52	51	54	63	57	47	57	51	54	63	63	59	56	57	68	51	40	44	53	63	63	64	57	46	45	54	59	55.2
Marlinton	Maximum	74	72	74	72	74	78	76	74	72	64	68	70	74	68	76	70	71	78	74	66	68	72	76	64	70	74	60	66	70	72	70	71.3
	Minimum	60	62	50	44	46	44	48	46	56	54	52	48	52	50	52	50	50	54	54	48	40	42	52	58	60	52	44	44	40	56	56	50.5
Point Pleasant	Maximum	86	87	86	92	88	93	96	90	83	84	90	84	88	88	94	90	88	86	87	91	87	91	95	90	85	85	79	83	86	89	86	88.0
	Minimum	63	62	63	57	56	53	63	65	52	49	50	64	63	68	61	65	64	63	62	61	66	65	....	....	60	54	58	49	52	60	66	59.9
Powellton	Maximum	86	84	83	....	86	...	88	85	84	80	82	....	....	88	90	88	....	94	90	....	88	89	92	91	90	88	....	...	86	88	83	87.1
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Robertsburg§	Maximum	84	83	84	86	88	89	79	80	75	81	85	89	92	92	91	94	96	98	92	88	85	92	88	75	88	83	79	75	82	84	86	86.0
	Minimum	61	61	58	57	58	51	66	64	56	47	53	55	58	58	63	62	64	60	56	53	44	46	54	68	66	57	51	51	52	53	55	56.8
Ryan	Maximum	83	80	79	83	84	87	75	82	75	80	83	85	85	88	90	90	92	92	88	80	81	88	88	82	86	84	76	77	83	84	82	83.6
	Minimum	58	58	56	54	57	50	62	58	58	43	53	53	57	57	59	57	58	58	65	50	41	44	59	58	63	56	53	49	47	56	61	55.1
Spencer§	Maximum	81	78	78	80	81	81	82	83	72	76	79	80	82	84	89	89	90	89	85	74	80	87	85	70	82	80	77	76	80	79	79	80.9
	Minimum	68	60	58	56	69	58	59	60	58	46	49	56	57	61	62	60	61	62	60	52	44	45	50	69	67	57	58	51	51	53	59	57.0
Union	Maximum	81	80	71	81	83	81	83	81	79	74	79	79	84	85	88	....	89	88	88	....	82	82	82	84	82	85	85	80	81	84	84	82.3
	Minimum	59	70	55	50	50	52	63	57	46	57	50	57	63	59	55	....	56	57	57	....	39	45	53	62	63	64	46	44	45	52	59	54.7
White Sulphur Spgs.§	Maximum	80	79	82	88	85	89	79	79	72	70	79	74	70	84	83	87	88	81	78	79	82	85	70	83	83	59	72	83	80	79	87	79.4
	Minimum	51	56	52	55	53	55	59	59	50	53	52	55	64	63	62	59	57	53	55	43	42	54	60	65	64	56	42	48	56	59	48	54.8
Williamson§	Maximum	81	79	79	80	82	84	86	84	75	74	78	80	82	78	85	86	85	90	84	79	79	85	85	76	85	81	74	76	78	82	85	81.2
	Minimum	67	63	55	62	62	61	66	67	61	54	55	58	60	62	65	66	50	66	60	54	56	60	63	65	64	60	57	56	58	60	62	60.7

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§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXX. Parkersburg, W. Va., September, 1922. No. 9.

GENERAL SUMMARY.

The month was exceptionally sunshiny and nearly continuously warm, without marked extremes in temperature. As an average, there were 21 clear days and the sunshine at Parkersburg and Elkins averaged nearly 20 per cent above the September normal. While the rainfall averaged only .60 inch below the normal, one of the longest and most severe droughts of State record set in near the close of the first decade and extended well into October. Practically all the month's rainfall was received during the 2-3d and there was no rain of consequence after the 12th. The drought was most severe over the eastern counties, where the August rainfall was also light. Owing to the lateness of the season, however, the damage to crops was not great, and the conditions were favorable for harvesting, thrashing, and the ripening of corn; but the drought practically suspended navigation in the district and oil drilling operations, delayed seedings, and caused much damage to pastures. While freezing temperature occurred at a few of the more elevated stations, there was no frost damage in the agricultural districts.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.13 and 30.16 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.38 inches on the 26th, and 29.85 inches on the 11th. Elkins, 30.44 inches on the 26th, and 29.80 inches on the 11th.

TEMPERATURE.

The monthly mean for the State, determined from 44 stations, was 67.2°. The departure from the normal for 39 stations having ten or more years of record was +1.6°. The temperature was continuously above the normal, except during three 48-hour periods, the warmest weather occurring from the 6th to the 10th. The temperature was slightly below the normal on the 12-13th, and somewhat below on the 16-18th and 25-26th, the lowest reading occurring on the 26th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 85 per cent; 8 p. m., 74 per cent. The September averages for the same hours for the past 34 years are 84 and 71 per cent, respectively. Elkins, 8 a. m., 96 per cent; 8 p. m., 83 per cent. The September averages for Elkins for the same hours for the past 21 years are 92 and 83 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 65 stations, was 2.14 inches. The departure from the normal for 43 stations having ten or more years of record was —0.60 inch. The rainfall was heaviest over the central-western counties and lightest over the eastern counties. Nearly all the rainfall was received on the 2-3d, but light rain fell in many localities on the 11-12th. There were also light and widely scattered showers on the 24th and 25th.

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WIND.

The average wind velocity at Parkersburg was 3.5 miles per hour, or 0.8 mile below the September average for 32 years. The average at Elkins was 3.0 miles per hour, or 0.1 mile above the September average for 23 years.—The highest velocity at Parkersburg was 18 miles per hour from the northwest on the 24th, and at Elkins 26 miles per hour from the northwest on the 11th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 77 per cent of the possible amount, or 19 per cent above the September average for 25 years. The average at Elkins was 69 per cent, or 16 per cent above the September average for 23 years.

MISCELLANEOUS PHENOMENA.

Frost, light: Bayard, 18th; Davis, 13th and 22d; Buckhannon, Cairo, Fairmont, Moundsville, Lost Creek, Philippi, Smithfield, and Weston, 26th.

Frost, heavy: Mannington, 26th; New Cumberland, 26th and 27th.

Frost, killing: Brandywine, Burlington, Davis, and Wellsburg, 26th; Cheat Bridge, 25th, 26th, and 27th.

Halo, lunar: Bayard, 2d.

Thunderstorms (dates and number of stations reporting): 1st, 3; 2d, 11; 3d, 6; 4th, 2; 10th, 3; 11th, 7; 12th, 1; 20th, 1; 24th, 4.

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	66.8	......	......	1.66	......	......	......	......	......	......
1892	64.4	92	32	2.57	......	......	......	......	......	......
1893	65.0	91	29	2.28	4.50	1.05	......	......	......	......
1894	67.8	98	31	2.50	4.75	1.25	......	12	11	7
1895	70.3	107	29	1.70	4.25	0.42	......	17	8	5
1896	65.2	95	22	4.59	9.04	1.58	......	14	9	7
1897	66.4	103	27	1.14	4.00	0.02	......	22	6	2
1898	67.6	97	33	2.42	4.75	0.80	......	16	10	4
1899	64.0	100	26	3.65	6.35	1.65	......	14	9	7
1900	71.1	100	35	1.92	5.50	0.34	......	14	10	6
1901	64.8	95	27	3.35	7.64	1.46	......	13	8	9
1902	64.8	98	25	2.98	4.81	1.23	......	12	9	9
1903	64.7	97	25	1.30	2.78	0.10	......	21	6	3
1904	67.0	95	25	1.76	4.55	0.53	......	16	10	4
1905	65.6	97	29	2.21	4.21	0.54	......	18	8	4
1906	69.9	97	38	3.25	5.44	0.57	......	12	10	8
1907	66.3	93	30	4.41	7.10	2.00	......	12	10	8
1908	65.9	99	24	0.95	2.54	0.26	......	21	6	3
1909	63.7	95	28	2.74	8.75	0.63	......	15	9	6
1910	68.4	97	32	3.50	6.04	0.50	......	12	11	7
1911	68.8	100	32	4.67	8.30	1.80	......	12	11	7
1912	68.6	98	30	3.85	9.18	1.13	......	17	7	6
1913	64.2	100	25	2.88	6.38	0.86	......	14	7	9
1914	63.2	97	24	1.58	5.65	0.17	......	18	6	6
1915	67.6	100	31	3.84	7.18	2.00	......	16	8	6
1916	63.0	99	27	3.71	7.88	1.01	......	18	6	6
1917	62.4	98	23	2.79	6.62	1.16	T.	17	7	6
1918	60.5	93	24	2.92	4.73	1.37	T.	15	7	8
1919	66.0	98	31	2.11	4.37	0.12	......	18	7	5
1920	66.7	96	34	3.14	5.38	1.34	......	16	7	7
1921	70.9	97	39	4.76	9.07	1.65	......	12	10	8
1922	67.2	100	25	2.14	5.64	0.10	......	21	5	4
Means and extremes	66.2	107	22	2.79	9.18	0.02	T.	16	8	6

Climatological Data for September, 1922.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	21	62.0	+ 2.0	92	7	25	26	46	2.14	-1.18	1.83	0	5	23	6	1	w.	U. G. Clark.
Brandywine	Pendleton	......	6	65.6	......	91	7	27	26	45	0.65	......	0.35	0	3	29	1	0	sw.	Elmer Keister.
Burlington	Mineral	875	28	66.2	+ 2.0	92	8	31	26	43	1.50	-1.49	1.05	0	3	17	12	1	w.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	33	......	......	......	......	......	......	....	2.98	+0.17	2.98	0	1	......	......	......	......	J. C. Newcomer.
Martinsburg	Berkeley	435	30	68.4	+ 2.3	91	6†	39	26	38	1.76	-1.05	1.23	0	3	22	3	5	e.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	26	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	M. S. Henkel.
Piedmont	Mineral	919	9	68.0	......	94	6†	32	26	41	1.06	......	0.67	0	4	22	5	3	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	24	67.2	+ 1.1	92	15	30	27	52	1.03	-1.63	0.68	0	3	18	12	0	......	Geo. E. Arnold.
Stony River Dam	Grant	......	2	......	......	......	......	......	......	....	1.89	......	1.42	0	4	14	8	8	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	23	65.4^a	- 0.1	92^a	9	30^a	26	50^a	0.10	-2.22	0.10	0	1	26	2	2	......	J. M. Mallow.
Wardensville	Hardy	1,200	4	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	Luther F. Sutton.
Averages and	extremes	......	....	66.1	+ 1.5	94	6†	25	26	52	1.46	-1.23	2.98	0	3	21	6	3	w.	
Northern Division.																				
Bens Run	Pleasants	622	20	70.2	+ 2.5	95	7	40	29	46	2.46	+0.11	1.08	0	4	27	2	1	......	J. D. Riggs.
Bruceton Mills	Preston	1,549	2	......	......	......	......	......	......	....	1.97	......	0.95	0	5	17	12	1	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	25	65.6	+ 1.6	87	8	37	26	35	1.70	-1.82	0 80	0	4	27	2	1	......	H. A. Darnall.
Cairo	Ritchie	680	23	67.6	- 0.3	93	7†	36	26	40	2.46	-0.67	1.28	0	4	23	4	3	......	O. C. Hess.
Cheat Bridge	Randolph	3,558	4	55.4^a	......	83^a	7	27	26	43^a	0.81	......	0.32	0	5	19	9	2	......	H. F. Cromer.
Cortland	Tucker	3,300	11	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	G. W. Harmon.
Creston	Wirt	701	20	69.5	+ 2.3	94	7†	38	26	39	1.52	-1.06	0.80	0	4	22	4	4	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	1	......	......	......	......	......	......	....	1.90	......	0.93	0	4	......	......	......	s.	Lockmaster.
Dam 12 O. R.	Ohio	614	6	......	......	......	......	......	......	....	3.68	......	1.81	0	6	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	605	6	......	......	......	......	......	......	....	4.46	......	2.25	0	5	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	1	......	......	......	......	......	......	....	3.02	......	1.95	0	5	......	......	......	......	Lockmaster.
Davis	Tucker	3,093	13	......	......	......	......	......	......	....	2.22	......	1.23	0	6	24	5	1	w.	Ross C. Male.
Elizabeth	Wirt	646	10	......	......	......	......	......	......	....	1.73	......	0.70	0	3	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	21	64.5	+ 2.6	90	8	34	26	38	1.31	-1.56	0.63	0	6	16	10	4	nw.	U. S. Weather Bureau.
Fairmont	Marion	883	16	68.6	+ 2.0	92	7†	39	26	37	3.60	+1.00	2.34	0	4	27	2	1	w.	Creed E. Bolyard.
Glenville	Gilmer	738	28	71.4	+ 3.7	98	7	37	26	44	1.65	-1.62	0.62	0	4	22	7	1	w.	Howard R. Brannon.
Grafton	Taylor	1,000	29	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	W. C. Byers.
Lost Creek	Harrison	1,026	24	65.8	+ 0.9	92	8	32	26	46	2.02	-0.76	0.88	0	5	23	3	4	w.	Allen Smith.
Mannington	Marion	974	19	66.0	+ 1.4	89	8	34	26	40	5.04	+1.87	3.88	0	5	23	4	3	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	29	69.2	+ 2.0	93	8	41	26	38	0.87	-2.19	0.51	0	2	9	11	10	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	19	68.3^a	+ 1.4	95^a	7†	36	26	42^a	5.64	+3.13	3.10	0	4	21	7	2	se.	G. W. Wright.
New Cumberland	Hancock	987	24	67.7	+ 2.8	96	7	38	26	42	2.50	-0.03	1.22	0	3	24	2	4	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	28	69.7	+ 3.3	97	7	39	26	42	2.80	+0.15	1.05	0	4	25	4	1	s.	Wm. Ankrom.
Parkersburg	Wood	638	35	70.4	+ 4.4	94	7	45	26	32	3.73	+1.01	2.87	0	4	23	3	4	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	22	......	......	......	......	......	......	....	2.50	-0.62	......	0	......	......	......	......	......	J. W. Swisher.
Philippi	Barbour	1,149	25	67.4	+ 2.1	91	8	37	26	38	3.03	-0.11	2.24	0	4	25	3	2	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	19	64.1	+ 2.5	91	8	35	26	40	2.15	-1.78	0.83	0	4	23	4	3	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	35	......	......	......	......	......	......	....	0.41	-2.66	0.20	0	4	......	......	......	w.	J. F. Pierce.
Saint Marys	Pleasants	577	13	......	......	......	......	......	......	....	3.41	+0.91	1.76	0	3	......	......	......	n.	Wm. Hughes.
Smithfield	Wetzel	835	16	66.6	+ 2.1	90	6†	35	26	39	3.94	+0.75	2.28	0	5	25	3	2	se.	G. M. Whisler.
Terra Alta	Preston	2,612	21	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	N. F. Kidd.
Wellsburg	Brooke	1,225	21	66.6	+ 2.4	95	7	31	26	44	2.50	-0.30	1.06	0	4	21	7	2	......	George P. Pfister.
Weston	Lewis	1,026	26	69.0	+ 2.2	93	8	37	26	42	1.08	-1.81	0.40	0	5	18	11	1	......	Weston State Hospital.
Wheeling	Ohio	645	35	70.8	+ 4.4	100	6†	37	26	44	3.94	+1.44	1.90	0	6	22	5	3	w.	Miss M. B. Forsyth.
Averages and	extremes	......	....	67.4	+ 2.3	100	6†	27	26	46	2.58	-0.29	3.10	0	4	22	5	3	w.	
Southern Division.																				
Bancroft	Putnam	574	18	67.6	- 0.7	91	1	43	26	33	1.80	-0.99	0.92	0	5	13	3	14	se.	M. Frazier.
Beckley	Raleigh	2,440	22	63.4	- 0.1	83	9	45	13†	30	3.85	+1.37	1.60	0	4	21	6	3	sw.	E. E. Phipps.
Bluefield ††	Mercer	2,558	27	67.3	+ 1.6	86	7†	45	13†	35	1.03	-1.63	0.37	0	7	20	8	2	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	7	......	......	......	......	......	......	....	2.60	......	1.60	0	3	27	0	3	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	19	72.5	+ 2.4	94	8	48	26	36	2.40	-0.67	0.84	0	5	11	6	13	w.	C. V. Lewis.
Clay	Clay	706	6	......	......	......	......	......	......	....	1.32	......	0.80	0	2	......	......	......	......	Mark King.
Cuba	Jackson	650	20	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	6	......	......	......	......	......	......	....	2.18	......	1.16	0	5	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	6	......	......	......	......	......	......	....	2.94	......	2.15	0	3	......	......	......	......	Lockmaster.
Dam 22 O. R.	Jackson	538	7	......	......	......	......	......	......	....	1.42	......	1.15	0	2	......	......	......	......	Lockmaster.
Dam 26 O. R††	Mason	505	6	......	......	......	......	......	......	....	2.43	......	1.60	0	3	......	......	......	......	U. S. Engineer Office.
Gary	McDowell	1,426	6	67.6^d	......	93^d	7†	44^d	8†	49^g	1.77	......	1.10	0	8	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	26	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	W. H. Gwinn.
Hinton	Summers	1,450	25	69.2	+ 1.6	94	8	45	28	38	1.26	-1.50	0.60	0	5	19	0	11	n.	J. B. Lavender, C. E.
Huntington	Cabell	538	28	70.0	+ 1.8	88	6	47	26	27	2.14	-0.41	1.34	0	5	18	3	9	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	3	......	......	......	......	......	......	....	1.12	......	0.72	0	2	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	6	......	......	......	......	......	......	....	2.09	......	0.89	0	4	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	22	65.2	+ 1.1	89	8	39	27	40	1.78	-1.05	0.78	0	4	12	14	4	nw.	Geo. T. Argabate.
Logan	Logan	687	19	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	C. & O. R. R..
Marlinton	Pocahontas	2,131	23	61.0	- 0.4	82	7	32	26	32	0.95	-2.16	0.38	0	5	16	14	0	sw.	S. L. Brown.
Miller ††	Fayette	......	2	......	......	......	......	......	......	....	2.29	......	1.06	0	3	......	......	......	......	J. R. Bays.
Point Pleasant	Mason	553	29	67.8	- 1.4	96	6	40	26	36	4.07	+1.74	2.18	0	3	21^a	2^a	6^a	......	W. D. Holmes.
Powellton[1] ††	Fayette	933	26	......	......	94	8	......	......	....	2.11	-0.87	......	0	......	19	0	2	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	6	......	......	......	......	......	......	....	1.20	......	0.70	0	2	......	......	......	......	Raleigh Coal & Coke Co.
Robertsburg	Putnam	574	22	70.4	+ 2.3	96	7†	41	26	41	1.46	-0.85	0.77	0	5	22	0	8	......	E. C. Brace, Jr.
Ryan	Roane	700	19	68.7	+ 2.4	94	8	36	26	42	1.37	-1.42	0.69	0	4	24	3	3	......	Wm. E. Ryan.
Sharples	Logan	......	2	......	......	......	......	......	......	....	0.67	......	0.52	0	2	......	......	......	......	C. E. Rippetoe.
Spencer	Roane	784	18	67.4	+ 1.5	91	8	38	26	38	1.00	-1.94	0.55	0	4	18	10	2	......	A. M. McKown.
Sutton	Braxton	839	16	66.6	- 3.5	94	8†	43	25	40	0.89	-2.27	0.89	0	2	28	0	2	......	C. B. Eakle.
Union[4]	Monroe	2,250	18	66.6	+ 1.5	91	7†	40	30	43	1.97	-0.63	1.60	0	3	24	1	1	......	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	12	64.6	......	90	6†	38	26	39	1.78	......	1.13	0	2	29	1	0	......	J. M. Ayres.
Williamson	Mingo	660	22	69.0	- 0.3	88	2	48	26	26	2.02	-1.00	1.47	0	2	22	4	4	w.	J. F. Keyser.
Averages and	extremes	......	....	67.4	+ 0.6	96	6†	32	26	49	1.84	-0.84	2.18	0	4	20	4	6	w.	
State averages and	extremes	......	....	67.2	+ 1.6	100	6†	25	26	52	2.14	-0.60	3.10	0	4	21	5	4	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for September, 1922.

Stations.	Drainage-basin.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac		1.83	T.						.06	.03	.08					T.									.14							2.14
Brandywine	do			.25							.35															.05							0.65
Burlington	do		1.05								.15	.30																					1.50
Harpers Ferry ‖	do		2.98																														2.98
Martinsburg	do		1.23	.07								.46																					1.76
Moorefield	do																																
Piedmont	do		.67	.02								.31	.06																				1.06
Romney	do	.68			.05							.30																					1.03
Stony River Dam‖	do		1.42	.03									.31													.13							1.89
Upper Tract	do											.10																					0.10
Wardensville‖	do																																
Northern Division.																																	
Bens Run	Ohio		1.08	.43	.15							.80																					2.46
Bruceton Mills ‖	Monongahela	T.	.82	.04	.06							.95	.10								T.				T.								1.97
Buckhannon	do		.30	.25	.35							.80													T.								1.70
Cairo	Little Kanawha		.57	1.28	T.							.60	.01																				2.46
Cheat Bridge ‖	Monongahela		.32		.10	.02							.32												.05								0.81
Cortland ‖	do																																
Creston ‖	Little Kanawha		.80	.22	T.							.05	.45																				1.52
Dam 10, Mon. R.‖	Monongahela		.93	.11		.07							.79																				1.90
Dam 12, O. R.‖	Ohio		1.81	.72	.08	.01						.01	1.05																				3.68
Dam 13, O. R.‖	do		2.25	.88		.44						.06	.83																				4.46
Dam 15, Mon. R.‖	Monongahela		1.95	.24	.04	.07							.72																				3.02
Davis ‖	do		1.23	.33								.05	.48				.01									.12				T.			2.22
Elizabeth‖	Little Kanawha		.60	.43									.70																				1.73
Elkins ***	Monongahela		.63	.02	.01							.60	.02												.03								1.31
Fairmont‖	do		2.34	.22		.19							.85																				3.60
Glenville ‖	Little Kanawha		.50	.53								.09	.53													T.							1.65
Grafton ‖	Monongahela																																
Lost Creek	do		.88	.20	.22							.43	.29																				2.02
Mannington	do		3.88	.40	.12							.51	.13																				5.04
Morgantown	do			.36									.51																				0.87
Moundsville‖	Ohio		2.40	3.10	.05								.09																				5.64
New Cumberland‖	do		1.22	.09									1.19																				2.50
New Martinsville	do		.75	1.05	.45							.55																					2.80
Parkersburg ***	Ohio	.13	.47	2.74								.39													T.								3.73
Parsons	Monongahela																																
Philippi	do		2.24	.15	.03								.61												T.								3.03
Pickens	do		.57	.58	.17							.83																					2.15
Rowlesburg ‖	do		.20	.05		.04							.12																				0.41
Saint Marys ‖	Ohio		1.00	1.76								T.	.65																				3.41
Smithfield‖	Fishing Creek		2.28	.43	.02	.27							.94																				3.94
Terra Alta	Monongahela																																
Wellsburg	Ohio		1.06	.33	T.							1.06	.05																				2.50
Weston	Monongahela		.40	.07	.05							.40	.16																				1.08
Wheeling‖	Ohio		1.90	.15	.55	.01						.06	1.27																				3.94
Southern Division.																																	
Bancroft ‖	Great Kanawha		.92	.25	.05							.02	.56																				1.80
Beckley	do		1.20	1.60	.15							.90																					3.85
Bluefield	do		.37	.03		.03						.09	.32										.13				.06						1.03
Camden-on-Gauley‖	do		1.60									.80									.20												2.60
Charleston ‖	do	.10	.78	.84								.08	.60				T.					T.											2.40
Clay ‖	do		.80										.52																				1.32
Cuba	Sand Creek																																
Dam 19 O. R. ‖	Ohio		.30	1.16	.04							.14	.54																				2.18
Dam 20 O. R. ‖	do		.44	2.15									.35																				2.94
Dam 22 O. R. ‖	do		1.15										.27																				1.42
Dam 26 O. R. ‖	do		.35	1.60									.48																				2.43
Gary‖	Big Sandy		.30	.05	.08	.05							1.10															.15	.02	.02			1.77
Green Sulpr. Spgs.	do																																
Hinton ‖	do		.40		.06								.60										.16					.04					1.26
Huntington ‖	Ohio	.12	.06	1.28								.02	.66																				2.14
Kanawha Falls‖	Great Kanawha			.40									.72																				1.12
Kayford‖	do		.88	.17									.89																		.15		2.09
Lewisburg	do		.58	.78								.17	.25																				1.78
Logan	Guyandotte																																
Marlinton	Great Kanawha	.08	.18	.27	.04							.38																					0.95
Miller ‖	Meadow Creek	.24	1.06										.99																				2.29
Point Pleasant	Ohio		2.18	1.13								.76																					4.07
Powellton	Great Kanawha		*	*	*	1.33						.30	.46				.02																2.11
Raleigh ‖	do				.70								.50																				1.20
Robertsburg ‖	do		.77	.34	.02								.32									.01											1.46
yan	do		.52	.11								.69	.05																				1.37
harples ‖	Coal River											.15	.52																				0.67
pencer ‖	Little Kanawha		.30	.10								.05	.55																				1.00
utton	Great Kanawha		.64		.25																												0.89
nion	do			1.60								.02	.35																				1.97
hite Sulpr. Spgs.‖	do	.65		1.13																													1.78
illiamson ‖	Big Sandy			.55		T.						T.	1.47																				2.02

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for September, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	81	83	83	85	88	90	92	91	89	83	72	70	75	83	85	83	71	71	71	76	76	81	82	78	71	66	74	78	78	78	....	79.5
	Minimum	49	63	58	50	48	49	51	53	54	55	56	54	38	42	45	49	36	36	39	40	44	35	39	43	41	25	34	36	35	38	....	44.5
Brandywine	Maximum	83	84	86	87	89	90	91	87	88	89	87	86	85	86	85	80	81	75	70	80	81	79	83	84	74	70	80	79	78	80	....	82.6
	Minimum	60	62	59	65	64	62	60	64	65	59	50	49	40	44	48	46	45	40	42	41	40	42	42	45	35	27	38	40	39	41	....	48.5
Burlington	Maximum	83	83	84	84	85	88	89	92	89	89	87	74	79	86	87	79	71	69	74	78	75	81	84	84	69	70	79	80	82	81	....	81.2
	Minimum	54	66	67	64	62	61	64	57	68	64	61	52	44	46	49	56	43	39	43	44	50	41	46	57	47	31	38	41	39	45	....	51.3
Martinsburg§	Maximum	76	76	80	85	88	91	91	79	87	86	87	76	81	87	89	79	75	76	73	79	77	81	86	88	71	69	78	80	73	80	....	80.8
	Minimum	60	63	65	68	64	62	62	66	70	67	66	65	50	53	55	62	55	49	50	50	54	49	50	51	52	39	40	46	47	51	....	56.0
Moorfield	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Piedmont	Maximum	84	86	84	85	91	94	94	91	91	90	88	75	80	88	90	80	75	72	74	80	77	84	85	84	71	70	80	84	82	82	....	83.0
	Minimum	55	65	68	63	60	59	61	62	68	63	63	62	46	50	54	59	46	42	46	48	52	44	49	52	52	32	40	43	42	48	....	53.1
Romney	Maximum	83	83	84	83	88	89	90	89	87	87	82	75	82	88	92	89	79	71	75	75	75	84	89	87	87	79	72	81	81	83	....	83.0
	Minimum	65	54	66	60	61	57	60	65	65	64	61	62	44	48	54	56	44	39	48	49	42	40	37	47	51	51	30	40	38	43	....	51.4
Upper Tract	Maximum	85	....	84	84	88	90	90	90	92	87	86	81	80	83	85	84	80	80	80	79	79	80	82	85	80	80	80	80	81	83	....	83.4
	Minimum	62	....	60	61	62	55	51	58	56	60	60	50	42	46	48	48	39	39	40	42	41	41	40	40	36	30	38	40	42	43	....	47.3
Northern Division.																																	
Bens Run	Maximum	88	80	80	89	91	92	95	94	92	90	77	76	80	82	78	78	73	78	82	87	82	87	87	86	71	79	80	82	86	87	....	83.6
	Minimum	62	67	58	66	62	62	63	65	63	64	61	58	53	57	58	59	51	47	59	56	53	56	55	61	46	42	50	53	40	51	....	56.7
Buckhannon	Maximum	78	82	81	80	82	85	86	87	86	84	81	70	75	81	83	72	70	75	77	78	76	76	78	80	64	72	74	76	78	79	....	78.2
	Minimum	56	64	62	63	58	57	68	60	68	67	65	55	46	50	53	58	47	47	48	47	44	47	47	48	40	37	47	47	45	47	....	52.9
Cairo	Maximum	87	80	80	87	90	92	93	93	91	89	75	76	80	84	88	77	74	78	80	76	82	83	84	85	71	76	79	82	83	84	....	82.6
	Minimum	60	66	67	63	60	57	57	59	58	58	61	58	48	50	50	48	47	44	50	50	52	51	50	55	40	35	41	47	44	46	....	52.6
Creston	Maximum	91	82	80	88	91	92	94	94	94	91	76	76	82	87	90	80	73	80	81	78	81	83	83	86	73	77	82	83	85	87	....	84.0
	Minimum	60	66	66	63	64	58	60	60	60	60	65	60	50	51	54	60	49	46	52	51	53	59	52	56	45	38	46	51	47	49	....	55.0
Elkins	Maximum	83	81	79	79	83	86	87	90	88	85	82	67	75	82	82	72	68	72	75	77	73	77	77	79	63	72	75	75	80	80	....	78.1
	Minimum	57	64	63	64	61	56	56	56	55	59	60	49	45	47	51	48	47	43	50	47	49	44	47	50	38	34	44	50	44	47	....	50.9
Fairmont§	Maximum	85	84	77	82	87	91	92	92	89	88	82	75	77	85	88	82	74	78	79	81	81	82	84	85	70	72	79	82	84	84	....	82.4
	Minimum	59	61	66	63	63	60	61	62	62	63	63	59	50	50	58	57	49	49	53	53	56	48	50	55	47	39	42	49	47	47	....	54.7
Glenville	Maximum	94	87	83	91	94	96	98	97	95	94	94	80	85	90	94	90	85	83	83	85	85	86	89	88	78	81	83	87	84	91	....	88.3
	Minimum	61	66	67	65	64	60	61	61	60	61	64	60	50	50	56	58	47	46	48	49	55	49	53	53	40	37	44	52	46	49	....	54.4
Grafton§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lost Creek	Maximum	87	83	78	84	87	91	91	92	90	89	83	74	79	81	86	76	70	76	79	81	79	82	84	85	69	76	80	80	84	84	....	82.0
	Minimum	56	64	66	61	60	54	54	54	55	53	61	58	43	45	50	55	47	44	45	45	49	41	45	50	35	32	42	45	38	41	....	49.6
Mannington	Maximum	84	81	76	81	85	87	88	89	87	86	80	70	76	82	84	75	68	74	76	78	77	79	81	81	66	72	75	77	80	80	....	79.2
	Minimum	60	65	67	63	58	58	58	60	59	58	62	59	48	50	52	56	46	45	49	49	53	48	52	56	45	34	43	44	40	44	....	52.7
Morgantown	Maximum	85	84	79	83	88	99	91	93	90	91	87	73	78	84	88	80	70	75	79	82	80	82	82	86	68	75	78	80	84	85	....	82.3
	Minimum	59	64	67	62	59	61	62	64	66	66	66	57	50	55	59	56	47	50	56	54	54	50	52	60	46	41	50	46	46	54	....	56.0
New Cumberland§	Maximum	85	86	84	85	93	93	96	95	94	90	76	73	81	86	87	74	70	73	80	76	82	81	84	80	67	75	78	80	80	85	....	82.3
	Minimum	50	55	68	68	59	60	63	60	60	61	66	54	51	55	58	54	52	44	48	48	55	52	54	57	40	38	39	41	40	43	....	53.1
New Martinsville	Maximum	90	82	84	90	94	95	97	96	93	92	79	76	82	89	89	78	73	82	83	78	81	86	86	82	72	80	82	80	87	89	....	85.0
	Minimum	60	65	65	63	64	58	59	61	68	59	62	55	53	52	54	55	46	46	50	49	55	53	54	55	44	39	46	50	45	47	....	51.4
Parkersburg	Maximum	87	80	82	86	90	93	94	93	91	89	77	75	80	86	89	75	68	75	79	73	80	82	83	84	67	73	78	80	82	84	....	81.8
	Minimum	63	68	69	65	64	62	62	66	68	69	62	58	54	58	62	59	51	50	60	58	58	55	58	56	49	45	54	56	53	55	....	58.9
Parsons	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Philippi	Maximum	85	83	76	82	87	89	90	91	89	88	86	71	77	84	84	76	69	75	78	81	77	80	80	84	75	75	77	78	83	83	....	81.1
	Minimum	57	63	66	59	58	60	60	62	60	62	58	49	45	54	55	58	47	49	55	51	51	47	50	52	43	37	50	50	50	51	....	53.6
Pickens	Maximum	82	84	80	80	85	87	88	91	77	87	82	68	75	82	85	71	70	77	77	80	77	79	78	78	66	72	75	79	81	81	....	79.1
	Minimum	56	52	61	56	54	54	54	57	54	57	60	50	42	48	52	51	41	42	50	45	48	39	47	48	38	35	43	47	47	45	....	49.1
Terra Alta	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Wellsburg	Maximum	85	83	86	88	90	93	95	93	91	89	79	75	79	84	87	76	76	75	80	79	82	83	84	82	71	75	78	78	73	82	....	82.4
	Minimum	48	66	68	65	60	55	58	58	57	57	62	54	47	54	53	51	43	40	47	51	51	47	50	52	51	31	38	36	37	39	....	50.9
Weston	Maximum	86	84	79	84	88	91	92	93	90	88	84	85	80	85	87	78	78	80	80	81	79	84	85	85	74	79	80	84	86	86	....	83.8
	Minimum	58	66	68	64	61	57	58	59	59	62	66	60	49	51	55	59	52	48	50	49	53	45	50	55	42	37	46	50	45	47	....	54.1
Wheeling§	Maximum	90	85	84	89	96	100	99	100	97	95	79	80	84	91	94	82	78	82	87	82	87	83	90	89	74	81	84	84	82	88	....	89.2
	Minimum	58	66	67	66	58	62	62	62	62	62	67	55	52	56	57	55	46	47	52	55	54	53	53	51	42	37	40	45	44	44	....	54.4
Southern Division.																																	
Bluefield	Maximum	83	82	83	83	84	84	86	86	84	84	83	77	80	83	83	82	80	79	76	79	80	78	80	80	81	72	77	80	78	80	....	80.9
	Minimum	56	62	62	61	61	57	55	57	58	59	64	46	45	68	57	53	55	54	52	49	51	47	49	46	46	52	46	51	47	45	....	53.7
Charleston	Maximum	89	85	82	89	90	93	92	94	92	96	86	75	83	83	89	85	87	86	85	82	89	87	88	82	83	82	84	84	82	85	....	86.3
	Minimum	65	68	64	66	67	68	70	64	68	65	60	58	54	54	59	61	59	52	53	55	54	56	52	53	50	48	54	56	54	53	....	58.7
Gary §	Maximum	88	88	80	85	87	92	93	93	....	91	78	74	83	87	86	....	70	75	80	78	81	83	....	....	83	76	79	83	80	80	....	82.8
	Minimum	56	60	64	58	63	56	54	44	55	....	55	61	51	49	54	54	....	52	49	49	47	52	48	....	....	44	44	51	50	45	....	52.5
Green Sulphur Spgs.	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Hinton §	Maximum	89	80	87	85	90	92	92	94	92	89	85	73	84	88	87	81	77	75	80	79	77	84	84	81	75	70	80	83	82	81	....	83.5
	Minimum	60	63	64	66	65	61	60	59	58	59	59	60	53	53	54	53	54	51	48	50	50	55	53	54	50	49	46	45	47	50	....	55.0
Huntington §	Maximum	86	84	80	86	85	88	87	87	87	85	87	73	76	81	85	76	70	76	79	75	78	78	83	85	67	73	75	80	80	80	....	80.4
	Minimum	65	66	68	68	69	64	64	64	64	65	65	60	53	55	58	62	56	52	54	58	60	58	59	60	51	47	52	56	58	56	....	59.6
Lewisburg	Maximum	86	78	86	84	86	88	88	89	87	88	82	72	78	85	85	79	74	73	74	78	73	78	79	80	74	66	78	78	72	80	....	79.9
	Minimum	56	62	64	65	59	56	55	53	56	59	58	58	45	45	51	50	50	47	43	42	47	43	45	45	43	44	39	47	45	41	....	50.4
Marlinton	Maximum	72	76	80	78	76	78	82	80	78	80	76	66	68	74	74	76	70	64	70	66	64	72	72	72	66	60	68	70	70	72	...	72.3
	Minimum	60	60	62	60	56	54	56	52	56	58	60	50	46	48	50	50	44	46	44	42	44	50	40	48	40	32	46	48	46	42	....	49.7
Point Pleasant	Maximum	90	89	80	92	93	96	94	87	84	85	75	70	77	80	85	77	66	73	76	70	76	77	80	81	68	67	80	77	79	79	....	80.1
	Minimum	62	66	67	64	67	60	60	62	60	63	60	56	52	53	58	58	49	44	54	55	54	56	57	58	43	40	46	42	50	51	....	55.6
Powellton	Maximum	89	....	....	....	89	90	93	94	....	....	93	85	81	89	90	84	....	82	83	80	....	84	84	....	83	79	82	86	....	86	....	86.3
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Robertsburg§	Maximum	91	85	90	93	92	94	96	95	96	93	74	77	85	90	91	77	74	81	83	70	81	83	85	86	74	75	87	85	89	88	....	85.3
	Minimum	58	61	68	66	65	61	55	59	60	61	68	59	50	52	60	58	54	47	51	54	54	53	53	53	46	41	46	50	50	50	....	55.4
Ryan	Maximum	90	84	78	88	87	91	93	94	91	92	79	76	81	86	89	81	76	79	80	79	83	83	86	86	77	77	80	85	87	87	....	84.2
	Minimum	58	65	65	65	63	56	55	56	56	56	65	58	46	48	52	53	52	53	53	53	53	57	47	46	41	36	48	49	45	47	....	53.2
Spencer §	Maximum	86	79	77	87	86	89	90	91	90	88	73	78	79	85	87	70	77	77	78	75	80	80	82	85	66	72	78	79	84	85	....	81.1
	Minimum	59	60	67	63	63	57	58	58	58	62	67	59	51	51	56	51	47	52	52	53	54	49	49	52	47	38	40	46	46	47	....	53.7
Union	Maximum	88	83	87	....	89	89	91	91	89	..	89	77	79	86	86	86	....	84	75	76	78	81	83	....	84	75	77	80	83	83	....	83.4
	Minimum	55	60	61	....	59	51	53	54	56	....	59	58	45	46	52	49	....	46	45	42	48	43	41	....	43	45	41	48	49	40	....	49.7
White Sulphur Spgs§	Maximum	81	81	81	88	89	90	90	87	84	88	76	79	79	85	84	73	72	73	76	73	81	83	83	78	67	58	78	80	75	76	....	79.6
	Minimum	58	59	62	59	54	57	52	55	59	61	59	42	42	51	55	51	46	44	45	47	46	46	44	43	42	38	41	47	42	44	....	49.7
Williamson§	Maximum	85	88	82	82	83	85	86	86	85	85	75	70	75	80	82	83	71	75	78	76	75	78	79	80	68	66	73	79	78	77	....	78.8
	Minimum	66	67	68	68	69	65	64	62	64	62	63	60	58	58	59	60	52	54	54	54	57	60	56	57	51	48	49	53	58	56	....	59.1

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXX. PARKERSBURG, W. VA., OCTOBER, 1922. No. 10.

GENERAL SUMMARY.

October averaged slightly warmer than usual and was characterized by exceptionally pleasant and sunshiny weather after the first decade. While the rainfall averaged only one-half an inch below the normal, the conditions were exceptionally droughty during the last half of the month, when light showers were received only on two days. Water was scarce for industrial purposes and river traffic was much impeded, especially below Point Pleasant. Many of the smaller streams were practically dry, causing a great loss of fish. Owing to the lateness of the season, however, not much damage resulted to crops, although pastures were made short and the ground too dry for plowing and seeding. The conditions were exceptionally favorable for outdoor work. The first general killing frost occurred on the 19th, although the temperature fell to the freezing point at a few stations on the 13th.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.06 and 30.08 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.48 inches on the 13th, and 29.60 inches on the 8th. Elkins, 30.52 inches on the 13th, and 29.60 inches on the 8th.

TEMPERATURE.

The monthly mean for the State, determined from 44 stations, was 55.4°. The departure from the normal for 38 stations having ten or more years of record was +0.5°. The temperature was above the normal during the first decade and from the 15th to the 17th and the 28th to the close of the month, the highest readings, ranging generally from 83 to 88°, occurring on the 3d, 4th, 5th, and 6th. Moderately cool weather prevailed from the 11th to the 14th. The early morning temperatures from the 18th to the 22d and from the 24th to the 27th ranged generally from 23° to 36°, with the lowest readings occurring on the 19th, 21st, 27th, and 31st.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 84 per cent; 8 p. m., 73 per cent. The October averages for the same hours for the past 34 years are 83 and 70 per cent, respectively. Elkins, 8 a. m., 90 per cent; 8 p. m., 71 per cent. The October averages for Elkins for the same hours for the past 22 years are 89 and 79 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 65 stations, was 2.45 inches. The departure from the normal for 52 stations having ten or more years of record was —0.50 inch. The greater part of the month's rainfall was received from daily showers from the 7th to the 11th. However, light showers fell in most localities on the 17th and moderate showers on the 23d. A trace of snow fell at Davis on the 24th.

WIND.

The average wind velocity at Parkersburg was 4.1 miles per hour, or 0.8 mile below the October average for 32 years. The average at Elkins was 3.9 miles per hour, or 0.4 mile above the October average for 23 years. The highest velocity at Parkersburg was 24 miles per hour from the south on the 23d, and at Elkins 24 miles per hour from the northwest on the 23d.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 69 per cent of the possible amount, or 19 per cent above the October average for 25 years. The average at Elkins was 58 per cent, or 11 per cent above the October average for 23 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Buckhannon, 11th; Cairo, 12th; Elkins, 1st, 2d, 4th, 13th, 21st, and 30th; Glenville, 1st to the 5th; Hinton, 3d, 5th, 13th, 16th, 25th, and 30th; Hoult, 1st to the 5th, 13th and 14th, 19th to the 22d, and 28th to the 30th; Huntington, 3d and 13th; Mannington, 2d, 4th, 5th, and 29th; Moundsville, 30th; New Cumberland, 13th and 14th; Parkersburg, 2d, 4th, and 13th; Point Pleasant, 2d, 18th, 19th, 20th, and 21st; Romney, 21st to the 23d, and 29th to the 31st; Smithfield, 1st to the 5th, 12th, 14th, and 18th; Wheeling, 1st to the 6th, 13th and 14th, 19th to the 22d, and 28th to the 30th.

Haze, light: Bayard, 1st; Cairo, 13th; Lost Creek, 28th, 29th, 30th, and 31st; Parkersburg, 2d, 3d, 4th, and 5th.

Halos, lunar: Bayard, 5th; Ryan, 6th; Wheeling, 31st.

Halos, solar: Elkins, 6th; Wheeling, 30th.

Thunderstorms (dates and number of stations reporting): 7th, 6; 9th, 1; 23d, 4.

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	51.5	95	21	1.97	2.91	T.	.....	.....	.....	.....
1892	52.6	89	24	0.83	1.45	0.21	.....	.....	.....	.....
1893	54.1	86	16	4.74	7.22	1.00	.....	21	6	4
1894	54.4	88	22	2.32	3.85	1.17	T.	16	8	7
1895	48.1	89	8	1.29	2.25	0.16	T.	22	5	4
1896	51.0	82	20	2.08	4.37	0.45	T.	14	9	8
1897	58.2	95	22	0.53	2.27	0.07	0	18	7	6
1898	55.6	95	19	4.84	8.50	2.48	T.	11	10	10
1899	56.8	91	19	1.42	3.81	0.23	0	15	7	9
1900	60.9	97	24	2.33	4.80	1.15	0	16	8	7
1901	54.3	86	19	0.54	1.95	0.12	0	19	6	6
1902	56.5	87	17	2.63	5.50	0.90	T.	16	8	7
1903	54.2	96	15	2.55	4.75	0.80	T.	17	7	7
1904	54.5	92	16	1.59	3.02	0.37	T.	18	8	5
1905	54.2	95	19	4.71	8.25	2.46	T.	13	8	10
1906	54.5	86	12	3.09	8.15	1.64	1.3	11	6	14
1907	50.3	87	19	2.65	5.12	0.54	0.1	15	9	7
1908	55.1	91	16	1.60	6.88	0.33	T.	18	7	6
1909	50.0	88	14	2.79	5.27	0.60	0.1	16	7	8
1910	58.1	95	15	1.85	2.96	0.80	0.7	18	7	6
1911	56.3	88	23	5.28	9.65	3.27	0	12	7	12
1912	55.5	93	20	1.34	3.10	0.20	T.	18	7	6
1913	54.5	92	12	4.50	8.11	1.78	0.3	12	6	13
1914	57.3	91	14	2.94	6.72	1.37	T.	12	8	11
1915	56.6	89	20	4.11	5.55	0.74	T.	17	7	7
1916	54.1	97	16	2.38	4.35	0.91	T.	19	5	7
1917	49.2	89	16	4.35	6.49	1.18	5.5	15	6	10
1918	58.2	89	24	3.68	7.53	1.59	T.	15	7	9
1919	62.3	102	28	5.84	11.88	2.13	0	9	7	15
1920	57.5	90	21	1.15	2.53	0.10	0.1	22	4	5
1921	53.7	88	21	2.48	5.76	0.30	0.1	18	5	8
1922	55.4	93	18	2.45	4.81	0.39	T.	19	5	7
Means and extremes	54.9	102	8	2.71	11.88	T.	0.3	16	7	8

Climatological Data for October, 1922.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	21	51.4^{a}	+ 2.6	82^{a}	4†	19	31	48^{a}	1.72	−1.70	0.71	0	6	18	4	9	sw.	U. G. Clark.
Brandywine	Pendleton	...	6	54.4	...	89	5	20	31	49	2.40	...	1.85	0	4	25	0	6	w.	Elmer Keister.
Burlington^{f}	Mineral	875	28	56.2	+ 2.3	88	5	25	19†	43	1.30	−0.97	0.85	0	5	13	9	3	nw.	J. W. Vandiver.
Harpers Ferry	Jefferson	241	33	...	...	...	...	...	...	...	1.98	−0.96	1.64	0	4	...	...	...	...	J. C. Newcomer.
Martinsburg	Berkeley	435	30	57.2	+ 2.6	90	5	32	19†	36	2.35	−0.37	...	0	5	25	2	4	e.	G. W. Van Metre, C. E.
Moorefield	Hardy	900	26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	M. S. Henkel.
Piedmont	Mineral	919	9	55.6	...	90	5	28	19†	43	3.45	...	1.79	0	6	20	9	2	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	24	57.2	+ 2.0	87	4†	23	21†	46	1.55	−0.95	0.68	0	5	14	13	4	...	Geo. E. Arnold.
Stony River Dam	Grant	...	2	...	...	...	...	...	...	...	2.19	...	0.87	0	6	10	9	12	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	23	56.8^{e}	+ 1.3	88^{e}	7	25^{e}	19†	54^{e}	2.35	+0.15	1.75	0	5	21	5	5	...	J. M. Mallow.
Wardensville	Hardy	1,200	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Luther F. Sutton.
Averages and	extremes	...	...	55.5	+ 2.2	90	5	19	31	54	2.14	−0.80	1.85	0	5	18	7	6	nw.	
Northern Division.																				
Bens Run	Pleasants	622	20	57.9	+ 1.2	88	3†	29	27	40	2.57	−0.54	0.82	0	6	22	4	5	...	J. D. Riggs.
Bruceton Mills ††	Preston	1,549	2	...	...	...	...	...	...	...	2.86	...	0.98	0	7	12	9	10	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	25	53.4	0	81	5	25	27	40	2.29	−1.37	0.60	0	7	19	3	9	...	H. A. Darnall.
Cairo	Ritchie	680	23	54.6	− 2.2	87	5	24	27	45	3.29	+0.21	1.06	0	6	19	6	6	...	O. C. Hess.
Cheat Bridge	Randolph	3,558	4	44.2^{a}	...	74^{a}	1†	18	19	41^{a}	1.79	...	0.60	0	8	19	5	7	...	H. F. Cromer.
Cortland	Tucker	3,300	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	G. W. Harmon.
Creston	Wirt	701	20	57.0	+ 1.2	89	5	26	27	47	2.69	−0.32	0.89	0	7	17	3	11	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	1	...	...	...	...	...	...	...	2.62	...	0.76	0	6	...	...	...	s.	Lockmaster.
Dam 12 O. R.	Ohio	614	6	...	...	...	...	...	...	...	2.06	...	0.61	0	9	...	...	...	...	Lockmaster.
Dam 13 O. R.	Ohio	605	6	...	...	...	...	...	...	...	1.78	...	0.55	0	9	...	...	...	...	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	1	...	...	...	...	...	...	...	2.57	...	0.78	0	7	...	...	...	...	Lockmaster.
Davis	Tucker	3,093	13	...	...	...	...	...	...	...	2.09	...	0.71	T.	6	19	6	6	w.	Ross C. Male.
Elizabeth	Wirt	646	10	...	...	...	...	...	...	...	3.46	...	1.25	0	8	...	...	...	...	E. D. Ball.
Elkins	Randolph	1,947	21	53.2	+ 1.8	82	5	23	27	43	1.20	−1.22	0.43	0	7	13	10	8	w.	U. S. Weather Bureau.
Fairmont	Marion	883	16	55.5	0	86	5	29	19†	39	2.20	−0.54	0.77	0	6	23	2	6	w.	Creed E. Bolyard.
Glenville	Gilmer	738	28	58.2	+ 2.2	91	5	27	27	55	2.98	−0.07	1.34	0	7	20	4	7	w.	Howard R. Brannon.
Grafton	Taylor	1,000	29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	W. C. Byers.
Lost Creek	Harrison	1,026	24	54.2	− 0.6	87	5	22	27	50	2.64	−0.09	0.60	0	6	19	3	9	w.	Allen Smith.
Mannington	Marion	974	19	54.0	− 0.5	83	5	25	27	43	2.97	+0.03	0.75	0	7	18	3	10	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	29	56.8	+ 1.3	86	5†	27	21	41	2.21	−0.94	0.55	0	5	4	13	14	s.	Prof. E. L. Andrews.
Moundsville	Marshall	642	19	55.4^{a}	− 0.6	87^{a}	3	29	19†	41^{a}	2.40	−0.71	1.00	0	6	12	13	6	se.	G. W. Wright.
New Cumberland	Hancock	987	24	54.7	+ 0.2	89	5	25	21	45	1.94	−1.05	0.51	0	8	19	3	9	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	28	56.4	− 0.7	89	4†	26	27	44	2.27	−0.61	0.80	0	5	22	5	4	s.	Wm. Ankrom.
Parkersburg	Wood	638	35	57.6	+ 3.1	88	5	30	27	37	2.73	+0.29	1.09	0	8	18	4	9	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	22	52.8	− 0.2	83	4†	22	21†	46	1.85	−1.03	0.90	0	4	19	2	10	...	J. W. Swisher.
Philippi	Barbour	1,149	25	56.2	+ 0.7	84	5†	26	19†	37	1.76	−1.12	0.55	0	6	21	2	8	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	19	52.8	+ 0.4	82	1†	24	29	56	2.28	−1.79	...	0	5	19	8	4	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	35	...	...	...	...	...	...	...	2.11	−0.92	0.72	0	5	...	...	...	w.	J. F. Pierce.
Saint Marys	Pleasants	577	13	...	...	...	...	...	...	...	3.04	−0.36	0.72	0	8	...	...	...	sw.	Wm. Hughes.
Smithfield	Wetzel	835	16	54.8	+ 1.2	86	5	27	19	42	3.37	−0.06	1.01	0	8	21	4	6	sw.	G. M. Whisler.
Terra Alta	Preston	2,612	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	N. F. Kidd.
Wellsburg	Brooke	1,225	21	53.6	− 0.5	87	5	26	19†	43	2.36	−0.59	0.85	0	6	17	7	7	w.	George P. Pfister.
Weston	Lewis	1,026	26	56.8	+ 1.3	88	5	26	27	48	2.75	−0.36	0.97	0	5	15	9	7	...	Weston State Hospital.
Wheeling	Ohio	645	35	56.7	+ 1.1	93	5	29	27	49	2.46	−0.15	0.56	0	9	21	4	6	w.	Miss M. B. Forsyth.
Averages and	extremes	...	...	54.9	+ 0.5	93	5	18	19	56	2.42	−0.58	1.34	T.	7	18	5	8	w.	
Southern Division.																				
Bancroft	Putnam	574	18	56.6	− 0.8	87	5	30	27	43	2.78	−0.40	1.28	0	9	20	0	11	s.	M. Frazier.
Beckley	Raleigh	2,440	22	54.3	− 0.9	82	5	28	19†	50	3.35	+0.58	2.00	0	5	24	1	6	sw.	E. E. Phipps.
Bluefield ††	Mercer	2,558	27	57.6	+ 1.6	83	3†	30	19	38	4.81	+1.93	2.80	0	7	21	2	8	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	7	...	...	...	...	...	...	...	1.00	...	0.80	0	2	29	0	2	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	19	58.2	− 0.9	90	6	33	19	42	3.30	+0.49	1.54	0	7	18	0	13	sw.	C. V. Lewis.
Clay	Clay	706	6	...	...	...	...	...	...	...	3.31	...	2.12	0	7	...	...	...	...	Mark King.
Cuba	Jackson	650	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	6	...	...	...	...	...	...	...	3.37	...	1.30	0	9	...	...	...	...	Lockmaster.
Dam 20 O. R.	Wood	551	6	...	...	...	...	...	...	...	3.83	...	1.80	0	9	...	...	...	...	Lockmaster.
Dam 22 O. R.	Jackson	538	7	...	...	...	...	...	...	...	2.66	...	1.64	0	6	...	...	...	se.	Lockmaster.
Dam 26 O. R.	Mason	505	6	...	...	...	...	...	...	...	2.19	...	0.70	0	6	...	...	...	...	U. S. Engineer Office.
Gary	McDowell	1,426	6	57.2^{d}	...	88^{d}	5	27^{d}	19	46^{h}	3.38	...	2.00	0	6	...	...	...	...	U. S. Coal & Coke Co.
Green Sulphur Spgs ††	Summers	1,600	26	55.8	+ 1.2	84	5†	25	18	52	1.03	−1.18	0.46	0	4	15	3	13	w.	W. H. Gwinn.
Hinton	Summers	1,450	25	57.6	+ 1.0	89	5	30	20	47	2.36	−0.20	1.24	0	7	18	0	13	n.	J. B. Lavender, C. E.
Huntington	Cabell	538	28	57.0	+ 0.8	83	2†	32	2†	37	2.30	−0.18	1.26	0	6	19	2	10	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	3	...	...	...	...	...	...	...	0.39	...	0.22	0	2	...	...	...	...	J. O. Brown.
Kayford	Kanawha	1,335	6	...	...	...	...	...	...	...	3.04	...	...	0	6	...	...	...	...	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	22	54.6	+ 1.0	84	5	23	19	45	2.74	−0.11	1.02	0	6	18	8	5	nw.	Geo. T. Argabate.
Logan	Logan	687	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	C. & O. R. R.
Marlinton ††	Pocahontas	2,131	23	48.4	− 1.9	76	5	18	18	44	1.67	−1.32	0.72	0	6	18	10	3	sw.	S. L. Brown.
Miller	Fayette	...	2	...	...	...	...	...	...	...	2.24	...	1.28	0	4	...	...	...	...	J. R. Bays.
Point Pleasant	Mason	553	29	55.4^{p}	...	85	5	...	...	...	2.94	+0.22	1.35	0	6	19	6	6	...	W. D. Holmes.
Powellton ††	Fayette	933	26	...	...	88	...	...	...	...	2.94	+0.55	...	0	7	16^{n}	0^{n}	1^{n}	...	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	6	...	...	...	...	...	...	...	3.90	...	2.70	0	5	...	...	...	...	Raleigh Coal & Coke Co.
Robertsburg	Putnam	574	22	57.4	0	90	5†	28	27	50	2.26	−0.52	1.14	0	5	22	0	9	...	E. C. Brace, Jr.
Ryan	Roane	700	19	55.6	+ 0.8	90	5	23	19†	54	3.01	−0.44	0.97	0	7	21	3	7	...	Wm. E. Ryan.
Sharples	Logan	...	2	...	...	...	...	...	...	...	1.82	...	0.60	0	4	...	...	...	...	C. E. Rippetoe.
Spencer	Roane	784	18	56.4	+ 1.2	87	5	26	19†	46	2.89	−0.32	1.30	0	4	18	9	4	...	A. M. McKown.
Sutton	Braxton	839	16	55.7	− 2.8	83	6†	27	27	49	1.71	−1.38	0.95	0	4	27	0	4	...	C. B. Eakle.
Union	Monroe	2,250	18	55.4^{c}	+ 1.3	87^{c}	6	23^{c}	19	48^{c}	2.46	−0.38	1.17	0	6	13^{c}	4^{c}	11^{c}	...	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	12	53.2	...	85	4	22	18	49	1.76	...	0.90	0	6	26	3	2	...	J. M. Ayres.
Williamson	Mingo	660	22	56.4	− 2.1	81	4†	35	19†	38	2.41	−0.35	1.48	0	7	22	3	6	w.	J. F. Keyser.
Averages and	extremes	...	...	56.1	− 0.1	90	5†	18	18	54	2.59	−0.23	2.80	0	6	21	3	7	sw-w.	
State averages and	extremes	...	...	55.4	+ 0.5	93	5	18	18†	56	2.45	−0.50	2.80	T.	6	19	5	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for October, 1922.

Stations.	Drainage-basin.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Panhandle Division.																																	
Bayard	Potomac							.26	.14	.04	.71	T.	T.					.11	T.					.46									1.72
Brandywine	do							.35		.10	1.85													.10									2.40
Burlington	do							.30		*	.85						.05							.10									1.30
Harpers Ferry ||||	do							T.	.26		1.35	.29													.08								1.98
Martinsburg	do							.88	.14	*	1.20													.13									2.35
Moorefield	do																																
Piedmont	do								.57	.12	1.79	.82					.03	T.						.12			T.						3.45
Romney	do							.55			.68							.03						.04	.25								1.55
Stony River Dam||||	do							.04	.19		.87	.46						.13							.50								2.19
pper Tract	do							.15		.25	1.75													.10	.10								2.35
Wardensville||||	do																																
Northern Division.																																	
Bens Run	Ohio							.35	.82	.45	.30							.27						.38									2.57
Bruceton Mills ||||	Monongahela							.40	.23	.24	.98	T.					T.	.31						.57	.13								2.86
Buckhannon	do							.54	.46	.50	.05	T.	.03					.11						.60									2.29
airo	Little Kanawha							.38	1.06	.57	.31	.02												.95									3.29
heat Bridge |	Monongahela							.14	.25	.05	.46	.15	.02					.12							.60								1.79
ortland	do																																
reston	Little Kanawha							.36	.51		.89	.12	.06					.22							.53								2.69
Dam 10, Mon. R.||||	Monongahela								.75	.12	.76	.19						.26							.54								2.62
am 12, O. R.||	Ohio							.11	.32	.61	.25	.15	.06					.45						.05	.06								2.06
am 13, O. R. ||||	do							.10	.25	.55	.25	.13	.02					.20						.02	.26								1.78
Dam 15, Mon. R.||||	Monongahela							.06	.64	.08	.78	.21						.28							.52								2.57
avis	do								.37	T.	.36	.42	.06					.17						.71	T.								2.09
lizabeth	Little Kanawha							.32	.70	.10	1.25	.35	.04					.20							.50								3.46
lkins ***	Monongahela							.34	.12	.22	.02	.02						.12						.36									1.20
airmont||	do							.17	.55	.14	.64	.13													.57								2.20
lenville ||||	Little Kanawha							.45	.28	.12	1.34	.14						.12							.53								2.98
rafton	Monongahela																																
ost Creek	do							.59	.22	.60	.52							.18						.53									2.64
annington	do							.44	.75	.25	.60	.01						.25						.67									2.97
organtown	do								.55	.37	.55							.24						.50									2.21
oundsville||||	Ohio							.20	.80	.10	.30	T.	T.					.40							.60								2.40
ew Cumberland||||	do							.06	.33	.42	.14	.37	T.					.14						.06	.42								1.94
ew Martinsville	do							.26	.56	.30	.35													.80									2.27
arkersburg ***	Ohio							.30	.59	.67	.44	.01					.21	.01					T.	.50									2.73
arsons	Monongahela							T.	.90	T.	.40	T.		.15										.40									1.85
hilippi	do							.33	.20	.22	.32	T.						.14						.55									1.76
ickens	do							.30	.43	*								.92						.63									2.28
owlesburg ||||	do							.03	.55		.30	.51						T.	T.						.72								2.11
aint Marys ||||	Ohio							.26	.66	.48	.72	.12	.05					.25							.50								3.04
mithfield||||	Fishing Creek							.42	.66	.07	1.01	.08	.02					.30							.81								3.37
erra Alta	Monongahela																																
ellsburg	Ohio							.23	.85	.10	.34		T.					.42						.42									2.36
eston	Monongahela							.50	.65	.56	.97													.67									2.75
heeling ||||	Ohio							.12	.22	.55	.25	.25	.04					.46						.04	.52								2.46
Southern Division.																																	
ancroft ||||	Great Kanawha							.32	.30	.01	1.28	.02	.02					.02						.18	.63								2.78
eckley	do							.10	.20	1.00	2.00							.05															3.35
luefield	do							.29	.04	1.22	2.80						.06	.05						.35									4.81
amden-on-Gauley||||	do									.80							T.							.20									1.00
arleston ||||	do							.60	.40	.25	1.54	.12	.04											T.	.35								3.30
ay ||||	do							.50	.15	.03	2.12	.12	.04												.35								3.31
ba	Sand Creek																																
am 19 O. R. ||||	Ohio							.31	.62	.14	1.30	.08	.04					.30						.07	.51								3.37
am 20 O. R. ||||	do							.25	.65	.08	1.80	.06	.02					.42						.05	.50								3.83
am 22 O. R. ||||	do							.25	.55	.15	1.64	.05	.02																				2.66
am 26 O. R. ||||	do							.15	.65	.22	.70		.02											T.	.45								2.19
ry||||	Big Sandy							.45	.02	.26	2.00							.15							.50								3.38
een Sulpr. Spgs.	do								.19	.27		.11					T.							.46									1.03
nton ||||	do							.12	.22	.26	1.24	.08						.08							.36								2.36
ntington ||||	Ohio							.30	.96		.54							.06						.14	.30								2.30
nawha Falls||||	Great Kanawha								.22			.17												T.									0.39
yford||||	do							.27	*	*	2.21	.21													.35								3.04
wisburg	do							.42		.83	1.02							.08						.38	.01								2.74
gan	Guyandotte																																
rlinton	Great Kanawha							.32	.18	.72	.03							.06						.36									1.67
ller ||	Meadow Creek							.38			1.28							.05							.53								2.24
int Pleasant	Ohio							.24	1.35	.28	.28	.04						*						.75									2.94
wellton	Great Kanawha							.42		1.27				.92	.01									*			.32						2.94
leigh ||||	do							.30		.20	2.70							.20							.50								3.90
bertsburg ||||	do							.21	.35		1.14	.05	.06												.45								2.26
an	do							.41	.38	.62	.97	.02						.01						.60									3.01
rples ||||	Coal River							.32		.42	.60														.48								1.82
ncer ||||	Little Kanawha							.27	.52	T.	1.30		T.					.80															2.89
ton	Great Kanawha							.95		.22	.12													.42									1.71
ion	do							.31	.64	1.17														.30	.03	.01							2.46
ite Sulpr. Spgs ||||	do							.20	.10	.20	.90						.08							.28									1.76
lliamson ||||	Big Sandy							.27	.20	.62	.86		.02					.02							.42								2.41

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

|||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for October, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	78	81	80	82	82	82	80	70	59	72	....	55	58	61	69	72	70	55	57	59	67	68	59	50	51	46	58	66	75	74	67	66.8
	Minimum	36	33	35	41	40	43	52	54	50	53	41	45	23	26	39	37	53	34	21	27	20	30	31	34	29	33	28	49	32	29	19	36.0
Brandywine	Maximum	81	82	84	87	89	88	86	78	70	76	70	68	60	61	79	80	74	72	70	65	69	72	60	54	70	65	70	76	80	72	65	73.3
	Minimum	42	36	37	40	44	47	46	42	41	52	38	36	27	29	37	44	54	28	22	25	27	35	34	35	28	35	21	38	32	32	20	35.6
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Martinsburg§	Maximum	80	81	83	83	90	87	72	81	70	72	70	64	59	61	73	78	73	60	60	61	63	67	61	57	70	53	68	74	63	66	63	69.8
	Minimum	49	48	48	49	54	54	58	65	57	57	52	52	39	38	41	51	54	45	32	33	32	33	39	40	36	40	35	41	39	36	34	44.5
Moorfield	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Piedmont	Maximum	84	85	87	85	90	89	72	78	60	71	68	61	58	61	78	76	68	56	64	63	64	68	48	55	56	56	65	74	77	62	61	69.0
	Minimum	46	44	45	52	54	52	60	57	55	55	51	42	30	33	43	42	41	37	28	33	28	36	38	39	37	43	33	47	37	38	32	42.2
Romney	Maximum	80	83	86	87	87	87	85	76	75	74	77	70	60	60	72	80	80	60	67	67	68	70	70	59	66	66	70	75	78	73	68	73.4
	Minimum	42	40	43	50	50	54	60	60	54	49	47	52	27	30	43	45	60	37	25	37	23	34	37	40	30	45	24	48	33	31	23	41.1
Upper Tract	Maximum	82	83	84	85	87	86	88	87	81	80	73	70	....	....	....	....	80	79	79	74	72	....	70	70	69	68	69	74	75	76	71	77.4
	Minimum	36	38	38	42	47	49	50	50	49	48	40	39	....	....	....	....	35	28	25	26	26	....	36	35	27	26	26	30	40	34	25	36.3
Northern Division.																																	
Bens Run	Maximum	87	82	88	88	88	88	80	75	69	68	61	60	64	73	76	71	64	58	63	64	68	75	63	57	64	59	65	74	81	69	69	71.3
	Minimum	55	45	55	55	54	57	61	56	44	50	49	47	35	38	45	53	51	35	32	35	35	42	49	37	39	42	29	38	41	41	36	44.5
Buckhannon	Maximum	77	78	78	79	81	80	75	65	65	78	58	60	59	61	72	75	65	52	60	60	67	69	59	56	51	60	60	69	74	67	63	66.9
	Minimum	47	42	43	45	49	51	59	55	58	57	47	49	30	33	49	46	42	31	27	28	30	29	29	28	33	42	25	35	36	30	30	39.8
Cairo	Maximum	85	82	85	85	87	85	80	73	60	69	60	58	62	72	75	72	63	55	61	62	67	72	60	54	63	59	64	72	77	71	65	69.5
	Minimum	47	48	46	48	48	52	59	56	49	58	43	42	30	31	42	46	50	30	26	28	28	40	41	29	30	32	24	31	32	35	30	39.7
Creston	Maximum	86	83	86	86	89	88	81	74	61	70	64	60	64	75	78	75	68	57	64	66	71	75	65	57	69	61	67	76	81	78	70	72.4
	Minimum	48	50	52	50	50	53	60	58	55	58	43	43	31	34	46	50	52	31	28	29	31	41	41	30	35	34	26	32	34	35	32	41.7
Elkins	Maximum	81	81	79	81	82	81	77	68	68	76	59	54	64	67	71	74	63	51	59	61	69	70	60	49	64	50	63	71	76	69	66	67.9
	Minimum	45	44	41	47	45	47	57	53	51	52	44	37	29	33	47	47	41	32	24	28	27	34	37	32	30	28	23	42	33	34	27	38.4
Fairmont§	Maximum	79	83	82	80	86	83	71	68	62	76	62	61	64	69	74	69	66	57	61	63	66	72	58	56	64	51	61	70	77	67	65	68.6
	Minimum	51	52	51	52	50	51	54	60	53	53	47	47	34	34	38	50	53	32	29	29	32	33	43	36	36	41	29	32	39	39	34	42.4
Glenville	Maximum	87	85	88	88	91	90	80	75	62	73	78	63	70	78	80	89	70	60	68	70	76	79	67	60	67	70	70	81	86	80	74	75.7
	Minimum	49	51	45	50	49	50	59	59	53	57	48	43	32	34	46	45	54	31	29	28	31	38	41	29	29	35	27	30	31	32	29	40.8
Grafton§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Lost Creek	Maximum	83	82	85	86	87	84	77	69	61	69	65	64	62	72	76	77	67	55	61	64	70	73	62	55	65	60	64	74	80	68	63	70.3
	Minimum	44	46	42	46	44	50	55	56	52	50	44	45	26	28	42	45	48	27	23	25	24	35	41	28	32	36	22	35	30	30	28	38.0
Mannington	Maximum	77	79	80	80	83	82	77	73	61	72	65	57	58	71	73	70	64	53	59	58	65	70	62	53	63	59	62	71	77	66	62	67.8
	Minimum	47	49	47	51	48	50	58	56	53	57	46	45	29	31	41	44	51	29	26	28	26	39	40	32	32	37	25	32	34	34	28	40.3
Morgantown	Maximum	81	85	83	82	86	86	76	71	64	76	62	53	60	70	75	72	67	54	59	55	68	72	64	54	63	56	60	71	78	66	60	68.7
	Minimum	55	53	51	55	54	60	61	55	52	57	48	46	30	41	51	53	46	34	29	37	27	45	48	35	42	41	29	43	41	40	30	44.8
New Cumberland§	Maximum	86	83	85	88	89	88	73	61	63	76	60	54	58	71	75	73	60	54	60	54	70	73	56	55	60	46	64	64	74	64	62	67.7
	Minimum	47	49	52	50	50	52	57	60	49	53	45	43	32	33	35	53	56	32	34	32	25	32	38	38	40	40	28	34	37	37	31	41.7
New Martinsville	Maximum	87	79	78	89	89	89	80	75	60	73	65	60	66	75	78	73	66	59	64	63	69	77	61	60	65	60	66	67	82	69	67	71.3
	Minimum	50	53	50	52	49	52	59	54	51	55	46	44	33	31	39	49	48	31	29	29	30	39	45	31	35	35	26	36	35	39	32	41.6
Parkersburg	Maximum	84	79	85	87	88	86	79	66	60	68	59	57	60	73	76	72	63	56	62	60	68	73	62	57	64	52	65	74	80	72	66	69.5
	Minimum	53	55	54	54	54	60	61	56	54	54	47	43	35	40	47	56	43	38	33	35	36	47	44	38	44	36	30	41	43	44	42	45.7
Parsons	Maximum	82	81	82	83	83	82	76	73	73	73	65	65	61	67	74	77	66	55	59	61	68	71	60	54	65	58	65	71	75	69	65	69.6
	Minimum	40	38	38	42	45	48	55	53	50	47	41	41	25	28	43	42	45	28	23	24	22	31	36	32	24	36	23	27	31	32	22	35.9
Philippi	Maximum	80	82	82	83	84	84	78	73	66	77	63	55	61	70	72	73	66	52	59	61	68	71	66	60	64	58	62	72	78	70	65	69.5
	Minimum	53	50	48	52	52	55	58	46	52	56	45	47	27	40	50	52	45	30	26	30	31	41	41	32	36	38	26	46	48	40	35	42.9
Pickens	Maximum	82	82	80	82	78	82	73	67	68	68	68	55	65	69	72	76	62	52	61	70	71	71	60	50	63	49	61	50	80	72	71	68.1
	Minimum	46	43	45	47	50	49	55	50	47	42	39	39	25	39	43	42	35	26	25	31	31	37	36	31	29	31	31	29	24	38	30	37.6
Terra Alta	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Wellsburg	Maximum	80	79	83	83	87	86	74	70	59	75	66	54	57	69	74	74	64	54	60	54	66	61	60	55	56	57	63	63	73	63	61	67.1
	Minimum	46	44	47	47	44	50	58	56	51	56	52	42	30	29	36	51	49	30	26	29	26	36	50	35	37	39	26	32	33	33	27	40.2
Weston	Maximum	84	85	86	87	88	86	84	77	61	67	66	59	64	71	76	76	72	70	62	66	69	74	63	56	65	60	65	75	82	70	65	72.0
	Minimum	48	48	47	50	49	53	48	58	54	58	49	49	31	34	48	47	45	31	27	30	30	40	46	32	38	40	26	27	35	36	32	41.5
Wheeling§	Maximum	88	79	89	92	93	90	75	65	62	77	61	60	65	78	82	78	60	61	67	64	70	78	57	62	64	48	70	65	84	69	78	72.0
	Minimum	45	49	52	50	51	52	55	62	52	53	46	41	34	35	34	45	54	32	30	30	30	32	40	34	37	40	29	33	35	38	34	41.4
Southern Division.																																	
Bluefield	Maximum	81	82	83	82	83	81	78	76	74	69	68	63	61	66	70	79	79	66	66	69	70	75	72	59	65	63	70	72	75	82	78	72.6
	Minimum	45	46	46	50	50	54	48	48	43	55	42	44	34	39	45	44	56	36	30	32	38	43	39	35	34	43	32	37	40	38	52	42.5
Charleston	Maximum	82	83	85	87	85	90	80	68	63	65	63	63	69	75	77	80	70	61	67	71	72	76	68	62	67	65	71	68	69	72	73	72.5
	Minimum	54	52	53	55	56	58	57	55	53	52	43	46	36	38	40	38	56	37	33	34	35	39	37	37	38	37	34	35	39	39	42	43.8
Gary§	Maximum	84	85	86	86	88	79	68	75	62	70	58	63	68	....	73	79	....	68	67	70	....	75	56	58	68	60	73	....	86	81	79	72.8
	Minimum	43	42	43	47	46	51	56	60	56	57	42	44	37	38	....	43	47	....	27	32	33	....	41	38	31	33	30	31	....	35	37	41.5
Green Sulphur Spgs.	Maximum	80	81	82	83	84	83	84	80	79	71	70	61	65	70	74	80	70	68	70	69	75	74	69	68	69	71	74	76	79	76	78	74.7
	Minimum	42	43	44	42	42	50	49	49	48	49	47	40	30	35	35	52	47	25	27	29	32	34	30	31	29	27	28	26	27	29	28	37.0
Hinton §	Maximum	84	84	85	87	89	80	84	79	64	75	62	65	69	62	72	82	69	63	70	72	65	76	54	63	70	62	73	81	80	76	76	73.4
	Minimum	47	50	48	47	51	52	53	60	55	55	45	42	35	36	36	44	50	37	31	30	34	37	42	37	32	34	32	34	35	36	38	41.8
Huntington §	Maximum	82	83	83	83	83	83	78	62	63	65	57	59	60	68	73	75	65	56	61	65	65	70	57	55	65	55	65	72	75	75	67	68.5
	Minimum	50	51	55	54	54	55	63	61	57	57	50	47	36	39	42	51	55	37	34	33	35	40	50	37	37	42	32	35	40	40	40	45.5
Lewisburg	Maximum	80	80	81	83	84	80	80	75	65	71	64	60	62	58	70	75	67	55	64	66	63	70	62	63	64	60	68	76	77	77	75	70.2
	Minimum	41	41	38	44	43	47	57	60	52	57	41	41	27	32	39	43	55	35	23	25	29	40	36	36	26	43	25	37	32	32	34	39.1
Marlinton	Maximum	74	72	74	74	76	72	70	66	56	56	54	52	52	54	66	70	62	50	58	56	58	62	58	48	60	50	58	68	72	68	66	62.3
	Minimum	42	40	36	44	46	46	56	52	50	42	38	32	28	30	34	44	42	18	20	22	24	32	30	32	22	32	20	26	28	30	28	34.4
Point Pleasant	Maximum	81	76	82	81	85	82	75	66	58	58	58	55	56	75	80	73	70	59	65	60	63	66	67	55	61	61	63	67	70	70	71	68.0
	Minimum	46	50	51	52	52	56	59	52	52	53	46	42	32	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	38	36	47.8
Powellton	Maximum	....	85	....	86	87	....	88	....	78	81	....	....	75	74	....	82	75	70	70	....	72	....	....	....	....	78	72	....	....	81	72	78.0
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Robertsburg§	Maximum	86	88	89	85	90	90	82	62	64	62	69	60	68	75	80	77	64	58	65	68	70	75	55	60	65	55	75	78	82	78	78	72.7
	Minimum	46	50	49	48	52	55	60	61	55	55	41	42	31	35	41	50	57	33	29	30	33	35	45	31	35	35	28	32	32	36	35	42.0
Ryan	Maximum	86	85	87	88	90	88	80	70	63	70	57	63	65	75	77	79	65	60	61	67	74	77	58	60	67	59	70	79	84	81	72	72.8
	Minimum	43	47	45	46	46	51	59	63	53	54	38	41	27	36	45	44	44	27	23	26	28	45	38	27	27	27	23	28	30	30	29	38.4
Spencer §	Maximum	85	85	85	85	87	85	78	69	59	67	56	58	60	69	74	78	62	55	61	65	72	73	57	57	64	61	64	74	79	75	75	70.1
	Minimum	47	50	48	49	49	49	59	62	55	55	43	44	30	42	44	43	52	30	26	29	29	48	45	50	43	39	26	34	33	35	32	42.6
Union	Maximum	83	..	84	84	86	87	81	....	83	72	74	63	62	61	....	77	75	67	66	69	71	....	75	55	66	62	67	75	80	....	79	73.2
	Minimum	41	.	39	45	44	46	58	....	53	51	38	41	27	33	....	40	56	31	23	24	30	....	36	35	27	44	23	31	32	....	33	37.7
White Sulphur Spgs§	Maximum	75	79	84	85	83	83	78	75	69	68	60	58	49	61	79	68	60	61	58	68	65	67	58	70	65	72	73	75	76	73	70	69.8
	Minimum	44	37	42	42	41	53	58	53	56	38	39	30	30	36	41	50	32	22	24	28	37	34	37	30	28	23	28	30	31	32	28	36.6
Williamson§	Maximum	79	76	80	81	81	76	78	69	61	58	49	59	61	66	70	73	66	55	61	65	65	69	55	55	65	58	65	72	75	75	75	67.5
	Minimum	49	50	55	55	55	55	57	63	58	58	45	45	39	39	47	52	54	40	35	35	37	39	46	36	36	36	35	36	37	40	42	45.4

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

UNIVERS
JAN 6 1923

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXX. PARKERSBURG, W. VA., NOVEMBER, 1922. No. 11.

GENERAL SUMMARY.

The dry, moderately warm, and pleasant weather during September and October continued until the last decade in November, completing one of the longest dry and pleasantest fall seasons of State record. The temperature was considerably below the normal during the last decade, except the 30th, and light snow or snow flurries occurred in most sections from the 25th to the 28th. Streams were unusually low and stagnant and water was scarce for industrial purposes. The conditions were exceptionally favorable for outdoor work and corn husking was practically completed before the end of the month. The stand of winter wheat was generally unsatisfactory, however, owing to the lack of precipitation.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 0.17 and 30.18 inches, respectively. The highest and lowest eadings observed were as follows: Parkersburg, 30.51 inches n the 10th, and 29.62 inches on the 27th. Elkins, 30.53 nches on the 10th, and 29.58 inches on the 27th.

TEMPERATURE.

The monthly mean for the State, determined from 43 stations, as 43.8°. The departure from the normal for 40 stations hav- ig ten or more years of record was +1.1°. The tempera- ire was considerably above the normal from the 1st to the 8th, 1th to the 15th, 17th to the 19th, and on the 30th, the highest adings occurring generally on the 1st and 2d. From the 24th the 29th the temperature averaged nearly 10° below the ormal, with the lowest readings occurring mostly on the 29th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and lkins at 8 a. m. and 8 p. m., with the normals, were follows: Parkersburg, 8 a. m., 76 per cent; 8 p. m., 66 r cent. The November averages for the same hours for the st 34 years are 81 and 72 per cent, respectively. Elkins, 8 m., 86 per cent; 8 p. m., 76 per cent. The November aver- es for Elkins for the same hours for the past 22 years are 84 d 73 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 67 tions, was 1.15 inches. The departure from the normal for stations having ten or more years of record was —1.40 inches. st of the month's rainfall was received on the 6-7th, 15th, d 18-19th, the greatest amounts falling on the 15th and 18th. ow flurries or light snow occurred daily in many sections from 24th to the 28th, the amounts for that period ranging erally from a trace to 7 inches. At a few of the more vated stations snow flurries also occurred on the 8th and 9th.

WIND.

The average wind velocity at Parkersburg was 5.6 miles per ır, or 0.4 mile below the November average for 32 years. The average at Elkins was 5.3 miles per hour, or 0.9 mile above the November average for 23 years. The highest velocity at Parkersburg was 29 miles per hour from the northwest on the 23d, and at Elkins 30 miles per hour from the west on the 24th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 45 per cent of the possible amount, or 9 per cent above the November average for 25 years. The average at Elkins was 42 per cent, or 3 per cent above the November average for 23 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bancroft, 5th, 6th, 10th, 17th, and 19th; Cairo, 7th; Charleston, 1st, 4th, 5th, 7th, 10th, 12th, 13th, 14th, and 19th; Creston, 5th, 7th, 12th, and 19th; Davis, 3d: Elkins, 4th, 5th, 6th, 10th, and 14th; Hinton, 5th, 6th, 8th, 10th, 11th, 12th, 19th, and 30th; Mannington, 5th, 7th, and 19th; New Cumberland, 1st and 5th; Parkersburg, 19th; Pickens, 9th and 20th: Pt. Pleasant, 10th, 11th, and 17th; St. Marys, 1st, 17th, and 19th; Wheeling, 1st, 5th, 10th, 11th, 14th, 17th, and 19th

Halos, lunar: Pickens, 30th; Wheeling, 2d.

Haze, light: Bayard, 1st; Lost Creek, 1st to the 6th, and 10th to the 14th; Terra Alta, 1st, and the 11th to the 14th.

Smoke, light: Mannington, 11th to the 14th; Parkersburg, 1st, 2d, 6th, and the 11th to the 14th; Stony River Dam, 13th; Terra Alta, 1st, 11th, and 12th.

Thunderstorm: Elkins, 15th.

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	42.5	80	8	3.04	.....	.....	.....	.....	.....	.....
1892	41.7	81	3	3.10	.....	.....	.....	.....	.....	.....
1893	41.4	74	3	2.12	3.22	0.47	.....	13	6	11
1894	39.8	82	5	2.11	3.47	0.25	.....	12	6	12
1895	44.6	87	12	2.35	4.00	0.20	.....	12	8	10
1896	48.1	80	10	3.50	5.07	1.56	.....	10	8	12
1897	45.0	76	13	4.45	7.15	0.30	.....	9	9	12
1898	41.4	75	− 3	2.84	4.74	1.00	.....	9	11	10
1899	45.6	76	14	1.93	3.49	0.20	T.	11	9	10
1900	45.5	86	9	5.20	8.88	2.71	2.8	8	8	14
1901	38.0	79	7	2.51	5.35	1.23	4.3	8	6	16
1902	50.3	83	12	3.27	4.56	1.23	0.7	11	6	13
1903	38.0	80	− 4	2.46	4.98	0.67	4.6	11	8	11
1904	41.2	75	9	0.64	3.05	0.07	1.4	12	7	11
1905	41.8	74	10	2.44	5.67	0.67	T.	13	7	10
1906	44.2	84	13	2.39	5.50	0.35	2.2	15	5	10
1907	41.8	74	13	3.40	7.05	1.41	1.0	10	8	12
1908	43.3	81	0	1.14	2.73	0.48	5.2	15	8	7
1909	49.1	84	12	1.34	3.85	0.23	0.2	14	7	9
1910	37.3	75	5	1.95	4.41	0.66	1.8	8	7	15
1911	40.5	83	7	2.74	5.54	1.27	2.0	10	7	13
1912	42.8	78	2	1.69	4.08	0.40	0.9	14	7	9
1913	44.5	82	− 1	4.49	7.50	0.61	13.4	12	5	13
1914	42.6	84	2	1.32	2.27	0.50	2.9	16	6	8
1915	45.2	85	11	3.06	5.99	1.15	1.1	13	8	9
1916	43.8	81	8	1.77	3.07	0.75	0.3	16	5	9
1917	39.6	78	0	0.89	3.65	0.05	1.5	16	4	10
1918	42.9	79	12	1.89	4.60	0.64	0.2	13	5	12
1919	44.4	80	10	4.51	7.53	0.85	0.3	12	6	12
1920	41.6	89	5	3.21	5.69	1.47	4.1	9	4	17
1921	46.1	85	11	5.99	8.81	2.52	0.8	7	6	17
1922	43.8	80	2	1.15	2.49	0.17	1.3	12	4	14
Means and extremes	43.1	87	− 4	2.65	8.88	0.05	2.2	12	7	11

Climatological Data for November, 1922.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	No. of days. Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.	Prevailing direction of wind.	Observers
Panhandle Division.																				
Bayard	Grant	2,700	21	41.0	+ 2.8	68	2†	14	1	50	1.30	-1.16	0.31	4.0	9	11	5	14	w.	U. G. Clark.
Brandywine	Pendleton	.....	6	43.6	.....	72	6†	12	29	49	0.45	.....	0.25	T.	2	17	1	12	s.	Elmer Keister.
Burlington	Mineral	875	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Vandiver.
Harpers Ferry	Jefferson	244	33	.....	.....	.....	.....	.....	.....	.....	0.51	-1.73	0.22	T.	4	.....	.....	.....	.....	J. C. Newcomer.
Martinsburg	Berkeley	435	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	G. W. Van Metre, C. E.
Moorefield	Hardy	900	26	44.8	+ 1.1	76	1†	18	25†	52	0.17	-1.44	0.15	0.2	2	27	1	2	.....	M. S. Henkel.
Piedmont††	Mineral	919	9	44.0	.....	75	2	24	1	42	0.38	.....	0.10	0.2	5	10	9	11	se.	C. A. Suter, Jr.
Romney	Hampshire	824	24	47.4	+ 4.7	76	3	20	1	45	0.45	-1.52	0.20	T.	4	12	4	14	.....	Geo. E. Arnold.
Stony River Dam	Grant	.....	2	.....	.....	.....	.....	.....	.....	.....	1.24	.....	0.31	5.0	8	4	4	22	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	23	45.2^{c}	+ 1.6	69^{c}	5	16^{c}	28†	48^{c}	0.20	-1.33	0.10	0	2	19	0	11	n.	J. M. Mallow.
Wardensville	Hardy	1,200	4	45.0^{a}	.....	78^{a}	4	17^{a}	30	52^{a}	0.28	.....	0.20	T.	2	9^{d}	8^{d}	9^{d}	w.	Luther F. Sutton.
Averages and	extremes	.....	.....	44.5	+ 2.6	78	4	12	29	52	0.58	-1.44	0.31	1.2	4	14	4	12	w.	
Northern Division.																				
Bens Run	Pleasants	622	20	45.8	+ 2.5	74	1†	19	29	41	1.08	-1.47	0.50	2.0	6	16	1	13	.....	J. D. Riggs.
Bruceton Mills	Preston	1,549	2	.....	.....	.....	.....	.....	.....	.....	1.70	.....	0.84	3.8	11	5	7	18	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	25	42.5	+ 1.1	72	1	17	29	46	1.34	-2.12	0.35	3.5	6	14	1	15	.....	H. A. Darnall.
Cairo	Ritchie	680	23	42.7	- 1.1	72	1†	12	29	46	1.14	-1.53	0.63	0.5	5	12	2	16	.....	O. C. Hess.
Cheat Bridge	Randolph	3,558	4	.....	.....	.....	.....	2	29	.....	2.34	.....	0.62	.....	15	12	2	16	.....	H. F. Cromer.
Cortland	Tucker	3,300	11	.....	.....	.....	.....	.....	.....	.....	0.55	.....	0.21	0.4	5	6	18	6	.....	G. W. Harmon.
Creston	Wirt	701	20	45.2	+ 1.5	75	1	12	29	46	1.23	-1.27	0.56	0.4	7	13	1	16	w.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	1	.....	.....	.....	.....	.....	.....	.....	1.28	.....	0.84	1.5	8	.....	.....	.....	.....	Lockmaster.
Dam 12 O. R.	Ohio	614	6	.....	.....	.....	.....	.....	.....	.....	1.04	.....	0.65	.....	7	.....	.....	.....	.....	Lockmaster.
Dam 13 O. R.	Ohio	605	6	.....	.....	.....	.....	.....	.....	.....	1.16	.....	0.65	.....	10	.....	.....	.....	.....	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	1	.....	.....	.....	.....	.....	.....	.....	1.04	.....	0.32	1.0	5	.....	.....	.....	.....	Lockmaster.
Davis	Tucker	3,093	13	.....	.....	.....	.....	.....	.....	.....	1.84	-1.13	0.73	4.5	9	11	2	17	w.	Ross C. Male.
Elizabeth	Wirt	646	10	.....	.....	.....	.....	.....	.....	.....	1.11	.....	0.40	.....	7	.....	.....	.....	.....	E. D. Ball.
Elkins	Randolph	1,947	21	41.8	+ 2.2	74	1	17	29	51	1.55	-1.31	0.49	4.6	11	5	8	17	nw.	U. S. Weather Bureau.
Fairmont	Marion	883	16	43.2	+ 0.8	74	1	20	30	42	1.70	-1.02	0.84	1.3	6	15	2	13	w.	Creed E. Bolyard.
Glenville	Gilmer	738	28	45.5	+ 1.9	80	1	13	29	55	1.39	-1.59	0.58	0.5	8	11	9	10	w.	Howard R. Brannon.
Grafton	Taylor	1,000	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. C. Byers.
Lost Creek	Harrison	1,026	24	43.1	+ 0.9	75	1	15	29	54	1.23	-1.27	0.77	0.5	8	13	2	15	w.	Allen Smith.
Mannington	Marion	974	19	43.5	+ 2.2	72	2	18	29	48	1.27	-1.23	0.72	0.7	9	11	3	16	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	29	46.2	+ 2.8	79	2	21	29	34	0.81	-2.09	0.25	2.5	5	5	7	18	s.	Prof. E. L. Andrews.
Moundsville	Marshall	642	19	41.6^{e}	+ 1.4	72^{e}	2	19	29	41^{e}	0.65	-1.10	0.50	T.	2	6	16	8	se.	G. W. Wright.
New Cumberland	Hancock	987	24	42.8	+ 1.5	71	2	22	29	40	1.37	-0.48	0.64	1.5	10	11	1	18	n.	Geo. W. Derouin.
New Martinsville	Wetzel	634	28	45.4	+ 0.9	75	2	16	29	45	1.15	-1.49	0.50	T.	5	12	2	16	s.	Wm. Ankrom.
Parkersburg	Wood	638	35	46.0	+ 2.8	75	2	20	29	32	0.97	-1.86	0.67	0.4	7	9	5	16	se.	U. S. Weather Bureau.
Parsons^{a}	Tucker	1,656	22	40.1	- 0.8	73	1	14	29	55	1.57	-0.97	0.75	3.0	4	8	3	18	.....	J. W. Swisher.
Philippi	Barbour	1,149	25	45.6	+ 2.5	78	1	17	29	43	1.52	-1.27	0.89	0.8	5	11	1	18	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	19	40.1	- 0.5	78	1	15	25	48	2.49	-1.36	0.88	7.0	8	14	3	13	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	35	.....	.....	.....	.....	.....	.....	.....	1.73	-1.35	0.80	1.5	8	.....	.....	.....	w.	J. F. Pierce.
Saint Marys	Pleasants	577	13	.....	.....	.....	.....	.....	.....	.....	0.97	-1.51	0.33	0.5	6	.....	.....	.....	sw.	Wm. Hughes.
Smithfield	Wetzel	835	16	44.2	+ 3.1	72	2	17	29	43	1.47	-1.50	0.46	1.5	10	14	1	15	sw.	G. M. Whisler.
Terra Alta	Preston	2,612	21	40.6	- 0.9	66	2†	17	25	42	1.81	-1.27	0.67	3.2	15	5	7	18	w.	N. F. Kidd.
Wellsburg	Brooke	1,225	21	44.2	+ 2.6	72	2	15	29	48	1.93	-0.22	0.90	2.0	4	12	2	16	w.	George F. Pfister.
Weston	Lewis	1,026	26	45.2	+ 1.9	77	1	19	29	50	0.75	-2.48	0.40	1.0	4	12	6	12	.....	Weston State Hospital.
Wheeling	Ohio	645	35	43.8	+ 1.7	77	2	19	29	48	1.09	-1.34	0.74	0.3	7	11	2	17	w.	Miss M. B. Forsyth.
Averages and	extremes	.....	.....	43.7	+ 1.4	80	1	2	29	55	1.34	-1.37	0.90	1 7	7	11	4	15	w.	
Southern Division.																				
Bancroft	Putnam	574	18	44.4	- 0.1	75	2	16	29	45	1.18	-1.22	0.43	0.8	10	12	3	15	s.	M. Frazier.
Beckley	Raleigh	2,440	22	43.0	+ 0.2	78	4	14	26	46	1.37	-1.02	1.16	2.0	4	17	4	9	w.	E. E. Phipps.
Bluefield††	Mercer	2,558	27	47.8	+ 3.4	75	1	16	29	45	0.93	-1.33	0.68	1.5	5	16	6	8	.....	Norfolk & Western Ry
Camden-on-Gauley	Webster	2,062	7	.....	.....	.....	.....	.....	.....	.....	0.80	.....	0.80	T.	1	2	0	28	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	19	49.6	+ 1.4	80	3	19	29	41	1.72	-1.25	0.80	T.	5	8	0	22	w.	C. V. Lewis.
Clay	Clay	706	6	.....	.....	.....	.....	.....	.....	.....	1.24	.....	0.65	1.0	7	.....	.....	.....	.....	Mark King.
Cuba	Jackson	650	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	6	.....	.....	.....	.....	.....	.....	.....	1.17	.....	0.64	0.4	7	.....	.....	.....	.....	Lockmaster.
Dam 20 O. R.	Wood	551	6	.....	.....	.....	.....	.....	.....	.....	1.02	.....	0.53	0.5	7	.....	.....	.....	.....	Lockmaster.
Dam 22 O. R.	Jackson	538	7	.....	.....	.....	.....	.....	.....	.....	0.81	.....	0.30	T.	4	.....	.....	.....	.....	Lockmaster.
Dam 26 O. R.	Mason	505	6	.....	.....	.....	.....	.....	.....	.....	1.12	.....	0.40	0.6	6	.....	.....	.....	.....	U. S. Engineer Office.
Gary	McDowell	1,426	6	43.9^{e}	.....	80^{e}	1	17^{e}	29	43^{j}	1.41	.....	0.75	T.	4	.....	.....	.....	.....	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	26	45.6	+ 2.9	71	5	11	29	48	1.21	-0.89	0.63	6.0	5	14	5	11	w.	W. H. Gwinn.
Hinton	Summers	1,450	25	40.6	- 3.4	72	2	16	29	40	0.64	-1.56	0.40	0.5	4	12	1	17	n.	J. B. Lavender, C. E.
Huntington	Cabell	538	28	45.2	+ 1.6	72	2	19	29†	39	1.16	-1.55	0.66	0.4	7	13	5	12	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	3	.....	.....	.....	.....	.....	.....	.....	0.65	.....	0.65	T.	1	.....	.....	.....	.....	J. O. Brown.
Kayford	Kanawha	1,335	6	.....	.....	.....	.....	.....	.....	.....	1.24	.....	0.67	0.6	6	.....	.....	.....	.....	Cabin Creek Con. Coal C
Lewisburg	Greenbrier	2,200	22	41.6	+ 0.1	69	4	9	29	41	0.61	-1.85	0.40	2.0	4	15	5	10	nw.	Geo. T. Argabate.
Logan	Logan	687	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. & O. R. R..
Marlinton	Pocahontas	2,131	23	36.8	- 1.0	66	1	8	28	44	1.01	-1.73	0.44	0.5	4	10	13	7	sw.	S. L. Brown.
Miller	Fayette	.....	2	.....	.....	.....	.....	.....	.....	.....	1.00	.....	0.58	.....	4	.....	.....	.....	.....	J. R. Bays.
Point Pleasant	Mason	553	29	45.6	+ 0.6	70	2†	18	29	35	1.00	-1.75	0.53	T.	6	7	4	19	.....	W. D. Holmes.
Powellton	Fayette	933	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	6	.....	.....	.....	.....	.....	.....	.....	1.26	.....	0 50	1.8	5	.....	.....	.....	.....	Raleigh Coal & Coke Co
Robertsburg	Putnam	574	22	44.2	+ 1.0	80	1	15	29†	48	0.98	-1.39	0.30	0	5	11	0	19	.....	E. C. Brace, Jr.
Ryan	Roane	700	19	42.9	0	79	1	10	29	53	1.11	-1.37	0.59	0.9	7	10	7	13	.....	Wm. E. Ryan.
Sharples	Logan	.....	2	.....	.....	.....	.....	.....	.....	.....	0.58	.....	0.58	T.	1	.....	.....	.....	.....	C. E. Rippetoe.
Spencer††	Roane	784	18	43.4	0	75	1†	14	29	45	1.58	-0.90	0.58	1.0	5	6	10	14	.....	A. M. McKown.
Sutton	Braxton	839	16	43.0	- 0.8	70	19†	21	22	41	1.39	-2.57	0.68	1.0	3	18	0	12	.....	C. B. Eakle.
Union	Monroe	2,250	18	43.2^{d}	+ 2.2	71^{d}	1	11^{d}	29	41^{d}	1.19	-0.80	0.68	0.5	6	11^{f}	1^{f}	12^{f}	.....	W. M. H. Young.
White Sulphur Springs	Greenbrier ††	1,940	12	42.7	.....	78	2	10	28	50	0.52	.....	0.25	.....	6	20	4	6	.....	J. M. Ayres.
Williamson	Mingo	660	22	45.0	- 0.2	71	1	20	29†	37	1.20	-1.39	0.86	0	5	21	3	6	w.	J. F. Keyser.
Averages and	extremes	.....	.....	43.6	+ 0.3	80	1†	8	28	53	1.08	-1.45	1.16	0.8	5	12	4	14	w.	
State averages and	extremes	.....	.....	43.8	+ 1.1	80	1†	2	29	55	1.15	-1.40	1.16	1.3	6	12	4	14	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means.

Reference letters ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for November, 1922.

Stations.	Drainage-basin.	Day of month.																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac		.03	T.			.14	.15		.03						.31			.20	.06	T.	T.	T.			.12	T.	T.	.26				1.30
Brandywine	....do															.20			.25							T.		T.					0.45
Burlington	....do																																
Harpers Ferry	....do							.10									.22			.13								T.	.06				0.51
Martinsburg	....do																																.....
Moorefield	....do																		.15							T.		.02					0.17
Piedmont	....do			T.	T.			.10		T.			T.	T.	.08			.09		T.	T.					.02		.09					0.38
Romney	....do		T.					.03		T.						.04			.18			.20							T.				0.45
tony River Dam	....do			T.	.05			.18		T.	T.					.09	.21			.27			T.	T.		.31	.04	.09					1.24
pper Tract	....do															.10			.10						T.	T.							0.20
Wardensville	....do							T.								.20			.08							T.		T.					0.28
Northern Division.																																	
Bens Run	Ohio													.06	.10	.50			.26							.08		.08					1.08
Bruceton Mills |||	Monongahela		T.	.05	T.		.20	.02	T.	.02			T.		T.	.84			.22		.03		T.		T.	.01	.04	.02	.25				1.70
Buckhannon	....do		T.	T.	T.		.10	.30		T.						.35			.30		T.		T.			.20		.09	T.				1.34
airo	Little Kanawha						.04							.01		.63			.38		T.		T.		T.	T.		.08	T.				1.14
Cheat Bridge |||	Monongahela				.11			.06		T.	T.					.15	.16	.12		.62	.09	.09	.09	.09	.60	*	*	.07	.06	.03			2.34
ortland	....do						.21									.13			.18							.02		.01					0.55
Creston	Little Kanawha		.03					.15								.30	.26		.20	.26					T.	T.	T.	.03	T.				1.23
Dam 10, Mon. R.|||	Monongahela		.07							.02						.32	.52			.21					T.	.03		T.	.07	.04			1.28
Dam 12, O. R.	Ohio						.05	.03								.65	.10			.15						.03			.03				1.04
Dam 13, O. R.	....do						.11	.01		.01						.65	.07		.03	.20	.02							.03		.03			1.16
Dam 15, Mon. R.|||	Monongahela							.12								.28	.32			.30						.02			T.				1.04
Davis	....do			T.	.04			.31		T.							.73			.34	.03			T.		.18	.13	.04	.04				1.84
lizabeth	Little Kanawha							.12						.02		.40	.13		.14	.27								.03					1.11
lkins***	Monongahela		T.	T.			.14	.14		.02				T.		.49			.33		.03		.01		.15	.01	T.	.10	.13				1.55
airmont	....do		T.					.13		T.				T.		.29	.55		T.	.60		T.	T.		T.	.10	T.	T.	.03	T.			1.70
lenville	Little Kanawha							.18							T.	.20	.38		.02	.46		.05				.06	T	.04	T.				1.39
rafton	Monongahela																																.....
ost Creek	....do						.06	.05		T.				.05	T.	.77			.20		.06		T.		T.	.02	T.	.02	T.				1.23
Mannington	....do		.04	.01			.10	.01		T.				T.	T.	.72			.30	.02						.05	T.	.02	T.				1.27
organtown	....do		T.				T.	T.							T.	.09			.17				T.		T.	.20		.10	.25				0.81
Moundsville	Ohio							T.								.50			.15	T.			T.	T.		T.	T.	T.	T.				0.65
ew Cumberland|||	....do			T.			.32	.18		.02						.63	.01		.03	.06	.02					T.		.04	.06				1.37
ew Martinsville	....do													.10	.15	.50			.30						.10	T.	T.	T.	T.				1.15
arkersburg ***	Ohio		T.				T.							.02	.24	.44			.19		.03				.01	T.		.04	T.				0.97
arsons	Monongahela		T.	T.			.25									.75			.30										.27				1.57
hilippi	....do		T.	T.	T.		.28									.89			.20		T		T.	T.	.02	T.		T.	.13				1.52
ickens	....do							.35		T.						.88			.60		.12				.09	.18		.09	.18				2.49
owlesburg |||	....do							.32		.06						.30	.50			.32						.12			.06	.05			1.73
aint Marys |||	Ohio															.33	.23		.10	.23							.03		.05	T.			0.97
mithfield	Fishing Creek		.02				.02	.10							.02	.46	.37		.07	.32		T.				.06	T.	T.	T.	.03			1.47
erra Alta	Monongahela		.04	.05	.02		.06	.24	T.	.02						.67			.22	.04	T.	T.	.02		.01	.20	.01	.10	.11				1.81
ellsburg	Ohio			T.			.68									.90			.17				T.	T.	T.	T.		T	.18				1.93
eston	Monongahela						.12	.15											.40						.08	T.	T.						0.75
heeling |||	Ohio			T.			.11	.01	T.	T.						.65	.09		.04	.15	T.		T.			T.	T.	T.	.04				1.09
Southern Division.																																	
ancroft |||	Great Kanawha		.03					.08								.20	.32		.03	.43						.03	.01	.03	.02				1.18
eckley	....do															1.16			.03							.09		.09					1.37
luefield	....do						.02									.68				.10						.04	.09		T.				0.93
amden-on-Gauley	....do																		.80									T.	T.	T.	T.		0.80
harleston |||	....do															.04	.74		.04	.80						T.		T.	.10				1.72
lay	....do								.16							.15	.40			.40						T.	.01	.04	.08	T.			1.24
lba	Sand Creek																																.....
am 19 O. R.	Ohio		.04											.06	T.	.64	.15		.12	.13		T.		T.		.01	T.	.02	T.				1.17
am 20 O. R.	....do							.03								.53	.13		.10	.18						.01		.04	T.				1.02
am 22 O. R.	....do							.05								.25	.21			.30							T	T.					0.81
am 26 O. R.	....do															.27	.30		.09	.40					.05			.01					1.12
ry	Big Sandy							.10								.01	.55			.75						T.		T.	T.				1.41
een Sulpr. Spgs.	....do							.11								.63			.11									.27	.09				1.21
inton	....do							.02									.40			.16						T.		T.	.06	T.			0.64
untington |||	Ohio		.04					.02								.42	.24		.06	.34						T.		.04					1.16
anawha Falls |||	Great Kanawha																T.			.65						T.		T.					0.65
ayford	....do							.10			T.					T.	.67			.41						.02		.02	.02				1.24
ewisburg	....do															.40			.03							T.		.09	.09	T.			0.61
gan	Guyandotte																																.....
rlinton	Great Kanawha			T.				.16		T.						.36			.44		T.		T.		T.	T.	T.	.05					1.01
ller |||	Meadow Creek							.17								.10	.58												.15				1.00
int Pleasant	Ohio		.02												.09	.44			.37							.04		.04					1.00
wellton	Great Kanawha																																.....
leigh |||	....do															.45			.50									.10	.12	.09			1.26
bertsburg |||	....do							.07								.30	.23		.15	.23													0.98
an	....do		T.				.01	.01							T.	.59			.40	.01						.01		.08					1.11
arples |||	Coal River															.58	T.		T.					T.	T.				T.				0.58
ncer	Little Kanawha						.50	T.								.58	T.		.08	.34		T.				T.	T.	.08	T.				1.58
ton	Great Kanawha			T.	T.					T.						.62			.68				T.	T.	T.	.09	T	T.	T.				1.39
ion	....do														.01	.37			.08	.68						.01		.04					1.19
ite Sulpr. Spgs |||	....do															.20			.25	.01						.01	.03		.02				0.52
lliamson |||	Big Sandy		T.	T.				.06								.22	.64			.26								.02					1.20

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for November, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	64	68	64	54	68	66	58	58	42	60	61	63	58	65	61	41	62	60	60	59	34	34	46	46	29	26	32	29	42	53	....	52.1
	Minimum	14	32	49	46	31	28	49	32	36	19	22	40	35	32	41	32	21	31	48	32	27	23	27	27	19	17	23	24	17	25	....	30.0
Brandywine	Maximum	60	70	67	68	70	72	70	60	59	65	66	70	72	65	63	59	60	55	65	50	48	45	57	50	45	39	38	40	43	50	....	58.0
	Minimum	18	36	38	40	37	34	48	28	35	16	23	30	32	33	50	25	19	35	37	33	32	15	24	30	23	23	24	22	12	27	....	29.3
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Martinsburg§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Moorfield	Maximum	76	75	71	71	68	64	72	62	58	65	67	76	70	69	68	61	72	67	75	65	60	52	62	55	52	49	46	45	56	70	....	64.0
	Minimum	27	30	36	33	32	24	38	36	22	30	31	28	30	25	29	25	20	22	23	20	20	20	22	24	18	18	21	20	23	25	....	25.7
Piedmont	Maximum	54	75	63	55	62	53	61	60	45	55	61	67	52	66	63	47	68	52	64	48	39	34	53	48	31	34	32	37	54	64	....	53.2
	Minimum	24	37	46	52	40	37	39	32	42	26	29	48	46	40	46	36	26	36	48	39	31	25	33	29	26	28	25	30	25	25	....	34.9
Romney	Maximum	60	75	76	63	65	66	68	68	50	62	63	68	68	66	69	53	65	65	75	75	44	45	55	55	42	42	47	45	53	67	....	60.5
	Minimum	20	35	51	51	42	32	50	33	43	24	22	42	45	38	48	39	22	33	50	35	35	24	32	34	27	26	24	25	23	22	....	34.2
Upper Tract	Maximum	68	68	67	68	69	60	60	60	60	63	60	59	56	56	68	67	67	67	67	66	66	....	....	....	60	50	50	45	60	68	....	62.0
	Minimum	21	25	40	42	42	39	38	38	37	19	19	22	26	25	30	35	36	24	22	34	32	....	....	....	24	24	20	16	16	20	....	28.4
Northern Division.																																	
Bens Run	Maximum	74	65	74	64	70	64	65	56	56	63	64	74	60	65	60	52	62	54	65	50	43	39	54	53	30	37	35	32	47	54	....	56.0
	Minimum	31	51	47	49	40	43	42	36	35	30	32	42	49	41	45	32	29	39	40	39	31	27	31	29	22	28	30	28	19	28	....	35.5
Buckhannon	Maximum	72	69	70	51	64	62	61	53	49	59	59	65	64	67	67	46	62	54	55	46	54	36	38	36	31	37	35	32	43	56	....	53.2
	Minimum	26	44	44	49	34	36	35	31	41	22	26	35	40	40	44	36	25	25	30	35	35	23	27	25	24	21	31	27	17	24	....	31.8
Cairo	Maximum	72	72	68	65	67	65	63	52	48	59	63	68	57	65	58	48	60	50	63	47	40	40	54	52	30	37	34	34	43	58	....	54.4
	Minimum	26	44	41	40	38	34	39	26	32	21	25	32	43	39	45	32	22	34	40	37	34	22	24	25	21	26	27	28	12	20	....	31.0
Creston	Maximum	75	74	70	63	71	66	63	59	50	66	65	72	58	67	60	52	63	60	67	64	43	41	55	54	40	38	35	34	48	60	....	57.7
	Minimum	29	47	41	50	35	39	41	29	42	23	27	34	45	39	44	30	24	36	15	39	34	22	25	25	22	21	26	29	12	21	....	32.6
Elkins	Maximum	74	70	59	55	67	64	60	48	43	63	60	66	54	67	61	42	66	58	64	53	36	33	51	47	25	31	32	29	47	61	....	53.0
	Minimum	23	51	50	38	34	34	37	36	29	24	25	32	37	35	40	27	23	32	43	32	23	22	31	25	21	23	28	24	17	24	....	30.7
Fairmont§	Maximum	74	73	57	59	66	60	64	51	46	59	61	67	52	64	56	50	63	54	61	42	43	38	51	42	33	33	33	32	42	57	....	52.8
	Minimum	32	33	48	51	38	39	45	35	36	28	28	34	46	41	44	36	29	30	32	38	33	25	30	30	23	23	27	29	21	20	....	33.5
Glenville	Maximum	80	76	71	65	73	70	67	64	50	70	67	73	70	69	61	54	66	58	69	70	41	57	52	53	38	38	36	33	35	57	....	59.4
	Minimum	25	44	40	50	36	35	42	36	40	25	24	29	40	38	41	29	22	33	44	35	20	25	33	27	22	25	26	26	13	20	....	31.6
Grafton§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Lost Creek	Maximum	75	72	68	58	69	64	62	52	47	63	62	70	60	65	60	49	63	53	65	56	41	38	53	49	31	38	34	33	47	60	....	55.3
	Minimum	21	39	50	47	34	32	43	29	38	17	22	33	45	35	42	33	20	30	40	33	31	19	29	28	22	24	27	27	15	23	....	30.9
Mannington	Maximum	71	72	68	58	66	60	61	52	47	59	61	69	58	65	59	47	63	54	62	58	41	38	54	51	35	34	33	34	44	57	....	54.4
	Minimum	23	40	43	51	34	35	38	26	41	21	25	37	47	38	45	36	23	31	40	39	32	22	30	32	21	27	29	29	18	23	....	32.6
Morgantown	Maximum	72	79	77	74	67	63	62	53	46	56	61	65	58	65	60	45	62	55	61	58	40	36	51	49	30	32	33	34	43	56	....	54.8
	Minimum	38	52	52	49	42	47	47	39	40	23	37	53	44	47	43	38	31	43	45	37	32	26	31	29	23	24	28	28	21	36	....	37.5
New Cumberland§	Maximum	69	71	60	55	66	61	59	48	47	56	64	61	52	63	50	47	63	54	62	41	36	37	55	39	31	33	34	34	44	55	....	51.6
	Minimum	30	31	54	52	34	39	37	34	41	26	27	31	43	40	46	39	30	34	38	39	33	26	32	33	27	26	26	28	22	23	....	34.1
New Martinsville	Maximum	73	75	71	60	70	65	64	56	50	65	65	70	60	65	59	52	64	59	66	70	43	40	55	53	40	37	37	39	45	61	....	57.6
	Minimum	28	43	49	50	35	46	40	29	46	25	27	39	45	39	45	32	26	35	39	37	34	24	31	30	23	25	26	27	16	24	....	32.2
Parkersburg	Maximum	69	75	60	60	70	65	61	52	48	61	64	71	56	65	60	50	60	55	66	48	42	40	56	43	31	37	35	32	46	60	....	54.6
	Minimum	37	53	53	48	43	49	45	44	38	30	34	45	50	47	40	35	32	43	42	37	30	30	33	30	24	27	30	23	20	32	....	37.5
Parsons	Maximum	73	70	56	58	66	50	48	52	45	61	62	65	51	66	62	45	63	54	65	48	40	....	48	48	28	35	35	35	43	45	....	52.3
	Minimum	18	36	45	33	32	30	32	25	36	25	23	21	35	34	36	26	18	27	45	35	23	....	26	24	22	22	22	26	14	18	....	27.9
Philippi	Maximum	78	70	65	55	67	62	61	62	46	63	59	67	62	67	66	46	65	55	65	67	38	37	51	53	49	40	35	31	45	58	....	56.2
	Minimum	35	53	51	47	45	45	47	35	37	24	32	43	42	47	39	33	27	33	47	35	29	23	29	29	19	21	27	25	17	31	....	34.9
Pickens	Maximum	78	69	76	63	67	61	56	50	40	45	65	63	65	67	57	41	63	60	61	49	34	30	47	41	23	32	29	26	45	54	....	52.0
	Minimum	30	33	30	36	33	41	33	32	27	21	30	35	40	42	31	31	22	35	42	27	20	18	22	20	15	18	23	19	16	25	....	28.2
Terra Alta	Maximum	62	66	64	53	66	60	57	50	39	60	56	63	58	62	58	39	61	52	58	54	35	29	46	44	27	28	30	26	41	52	....	49.9
	Minimum	28	40	47	47	32	31	42	36	35	18	24	46	40	36	38	31	21	41	45	31	26	23	26	26	17	18	23	23	18	31	....	31.4
Wellsburg	Maximum	70	72	68	60	65	61	62	48	47	57	63	62	57	63	58	60	61	56	64	61	40	34	51	54	34	33	31	34	43	54	....	54.3
	Minimum	26	24	52	47	35	38	43	28	41	24	25	51	44	44	44	31	26	47	43	39	30	24	30	32	24	32	24	30	15	25	....	34.1
Weston	Maximum	77	74	60	59	69	65	63	58	59	62	63	71	60	68	62	50	66	60	68	63	42	41	51	52	36	37	36	31	46	59	....	57.1
	Minimum	27	45	44	50	36	38	38	31	35	24	28	36	45	40	43	35	26	37	40	31	34	24	31	32	23	25	30	28	19	25	....	33.3
Wheeling§	Maximum	74	77	60	57	70	67	67	49	47	63	68	64	53	64	51	54	68	51	68	44	40	39	53	41	31	33	38	35	48	58	....	51.7
	Minimum	28	29	50	50	40	40	38	34	34	27	28	33	45	40	45	37	27	29	38	38	30	26	30	30	24	24	28	28	19	21	....	33.0
Southern Division.																																	
Bluefield	Maximum	75	68	67	68	68	70	71	65	51	68	67	68	68	70	67	51	69	68	68	55	51	44	53	51	42	58	45	36	61	68	....	61.0
	Minimum	46	51	48	48	47	42	42	37	36	24	30	40	40	43	45	33	28	40	40	32	28	26	25	36	20	18	27	23	16	28	....	34.6
Charleston	Maximum	75	77	80	72	75	68	73	68	70	69	71	72	67	70	71	63	68	67	71	62	55	58	58	50	48	39	38	37	51	65	....	63.6
	Minimum	43	45	46	46	38	37	48	35	32	35	38	37	47	44	42	31	33	38	43	42	36	26	28	28	25	28	27	30	19	24	....	35.7
Gary§	Maximum	80	70	57	....	73	69	63	59	46	70	....	43	73	72	60	52	68	....	44	44	46	40	43	42	....	44	33	29	....	59	....	55.2
	Minimum	38	40	45	47	....	38	42	31	31	27	28	....	34	40	37	40	28	29	....	41	35	23	21	26	25	....	20	27	17	..	....	32.6
Green Sulphur Spgs.	Maximum	70	69	68	70	71	69	68	69	68	67	69	70	70	69	69	65	67	68	70	63	61	63	68	60	50	48	49	33	49	60	....	63.4
	Minimum	30	29	27	27	26	29	34	32	20	21	22	26	34	33	41	35	25	30	28	35	31	30	31	29	18	26	29	24	11	18	....	27.8
Hinton§	Maximum	67	72	58	67	66	55	58	54	44	40	42	65	43	64	56	58	43	46	68	44	40	38	40	38	26	36	31	30	44	55	....	49.7
	Minimum	36	36	44	50	38	38	38	35	31	30	28	28	35	37	38	37	27	27	37	41	34	23	22	23	24	20	20	27	16	18	....	31.4
Huntington§	Maximum	68	72	62	63	67	68	61	56	50	57	65	68	65	63	53	49	60	55	65	43	42	42	44	44	40	38	38	32	45	58	....	54.4
	Minimum	40	39	52	52	41	43	47	40	38	31	31	34	45	45	50	35	30	30	46	40	35	27	30	30	25	25	29	29	19	19	....	35.9
Lewisburg	Maximum	66	66	62	69	65	62	63	55	49	69	62	66	62	65	58	46	60	51	65	60	40	34	50	47	35	41	39	32	45	54	....	54.3
	Minimum	33	38	41	48	33	31	31	30	36	19	22	26	34	30	43	31	21	28	37	34	30	21	27	30	21	22	22	23	9	17	....	28.9
Marlinton	Maximum	66	60	52	58	60	54	58	48	42	52	58	60	58	58	54	42	54	42	60	44	38	30	48	41	36	34	32	40	46	50	....	49.3
	Minimum	22	32	31	36	32	32	40	22	24	24	16	22	30	32	38	22	16	22	34	30	22	14	20	18	20	22	22	8	10	12	....	24.3
Point Pleasant	Maximum	63	70	70	61	67	68	65	57	50	59	60	67	67	58	58	51	58	59	66	62	41	41	52	54	41	36	37	35	44	56	....	55.8
	Minimum	32	54	50	51	39	41	43	34	38	24	30	36	52	40	45	30	27	40	44	40	35	26	30	31	22	22	30	27	18	25	....	35.3
Powellton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Robertsburg§	Maximum	80	75	75	65	70	68	68	55	49	62	65	70	66	65	54	54	65	56	67	40	45	40	55	42	32	38	35	32	49	62	....	56.6
	Minimum	32	32	46	44	36	41	40	32	37	24	28	32	41	42	47	28	26	28	43	40	35	23	26	28	22	19	25	25	15	15	....	31.7
Ryan	Maximum	79	76	61	64	76	70	66	58	50	67	66	76	66	68	61	52	65	53	68	51	40	55	51	40	35	38	35	32	50	61	....	57.7
	Minimum	26	48	37	49	31	36	37	25	30	21	22	30	42	36	45	25	20	32	38	28	18	19	20	20	20	20	25	16	10	16	....	28.1
Spencer§	Maximum	75	75	58	65	69	65	53	53	46	63	62	70	67	65	49	49	61	52	65	40	42	38	53	42	31	37	32	28	40	58	....	53.4
	Minimum	30	31	52	52	36	54	33	36	36	23	24	30	43	44	46	30	25	46	43	40	35	21	27	29	20	20	28	27	14	24	....	33.5
Union	Maximum	71	68	68	60	66	....	65	60	57	59	62	....	60	65	65	50	58	60	....	61	63	48	51	52	44	....	38	34	43	56	....	57.1
	Minimum	35	38	42	48	30	....	52	28	36	19	21	....	26	31	41	33	21	28	....	35	30	12	25	33	21	....	21	24	11	18	....	29.2
White Sulphur Spgs§	Maximum	75	78	68	73	75	65	60	59	68	58	70	68	74	67	67	63	68	54	44	46	53	50	48	46	40	34	31	41	58	61	....	58.7
	Minimum	36	38	48	32	34	37	19	30	18	20	23	30	31	35	29	20	20	32	28	11	20	31	28	30	19	27	28	10	14	22	....	26.7
Williamson§	Maximum	71	70	59	61	67	68	60	66	48	49	63	65	66	63	58	48	69	61	66	43	42	43	63	46	33	38	38	35	45	53	....	55.2
	Minimum	42	42	43	45	41	42	43	36	36	32	32	32	40	43	44	39	32	33	42	43	32	28	29	30	27	22	23	30	20	20	....	34.8

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

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JAN 29 1923

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXX. Parkersburg, W. Va., December, 1922. No. 12.

GENERAL SUMMARY.

The average temperature for December, 36.6°, was considerably above the normal, and is the highest December State average since 1918, except in 1921, when the December average was 37.0°. The cold periods were of short duration, and a temperature of zero or below was not recorded. Although the precipitation averaged well above the normal and was fairly well distributed over the State and throughout the month, the conditions were generally somewhat droughty and the rivers and streams low during most of the month, owing to the continued dry weather during September, October, and November. The snowfall averaged about one-half the normal, and was especially light in the mountain regions, when compared with previous snow records for December. The month was favorable for outdoor work and for stock, but winter grains were somewhat injured by lack of snow cover during periods of freezing weather.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.16 and 30.17 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.64 inches on the 18th, and 29.42 inches on the 28th. Elkins, 30.61 inches on the 13th, and 29.43 inches on the 28th

TEMPERATURE.

The monthly mean for the State, determined from 45 stations, was 36.6°. The departure from the normal for 39 stations having ten or more years of record was +3.2°. The temperature was considerably above the normal from the 1st to the 5th, on the 7-8th, from the 23d to the 28th, and on the 30th, the highest readings occurring on the 8th. The coldest weather prevailed on the 10-11th, 13th, 18-20th, and 30th, the lowest temperatures occurring generally on the 13th, 19th, and 30th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and lkins at 8 a. m. and 8 p. m., with the normals, were s follows: Parkersburg, 8 a. m., 75 per cent; 8 p. m., 72 er cent. The December averages for the same hours for the ast 33 years are 82 and 76 per cent, respectively. Elkins, 8 . m., 85 per cent; 8 p. m., 77 per cent. The December averges for Elkins for the same hours for the past 22 years are 86 nd 79 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 68 tations, was 4.71 inches. The departure from the normal for 5 stations having ten or more years of record was +1.23 inches. he precipitation was lightest over the eastern panhandle and orthern counties, and heaviest over the central and southern ounties. Most of the precipitation was received on the 4-5th, -10th, 14-15th, 17-18th, and 28-29th, the greatest amounts being measured on the 5th, 8th, and 17th. Light to moderate ow, the amounts ranging from a trace to about 6 inches for ch storm, fell on the 9-10th and 28-29th. In some of the ore elevated localities light snow also fell from the 14th to the th.

The average wind velocity at Parkersburg was 5.2 miles per hour, or 0.9 mile below the December average for 32 years. The average at Elkins was 5.5 miles per hour, or 0.6 mile above the December average for 23 years. The highest velocity at Parkersburg was 33 miles per hour from the west on the 5th, and at Elkins 29 miles per hour from the northwest on the 5th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 37 per cent of the possible amount, or 10 per cent above the December average for 25 years. The average at Elkins was 47 per cent, or 17 per cent above the December average for 23 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bancroft, 24th and 27th; Charleston, 4th, 23d, 27th, and 30th; Davis, 12th and 22d; Elkins, 27th; Fairmont, 4th, 27th, and 28th; Hinton, 21st, 24th, 26th, and 27th; Moundsville, 27th; New Cumberland, 21st and 27th; Organ Cave, 8th and 9th; Pickens, 15th and 28th; Piedmont, 14th; Terra Alta, 15th, 16th, 17th, and 28th; Wheeling, 27th.

Halos, lunar: Bayard, 27th; Burlington, 30th; Elkins, 6th and 25th; Parkersburg, 25th; Pickens, 26th; Ryan, 26th.

Halo, solar: Ryan, 30th.

Sleet: Bayard, 9th, 10th, 13th, 14th, and 30th; Bruceton Mills, 14th; Cheat Bridge, 23d; Davis, 16th; Fairmont, 15th; Moundsville, 14th; Parkersburg, 14th and 16th; Smithfield, 14th; Terra Alta, 16th, 17th, and 18th; Union, 14th; Wheeling, 14th.

Thunderstorms (dates and number of stations reporting): 8th, 12; 9th, 4; 14th, 1.

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	40.9	75	6	3.27						
1892	34.1	72	−10	2.91	......	......	......	......	......	......
1893	37.1	76	7	2.05	3.73	0.56	......	10	8	13
1894	36.3	80	−29	4.04	6.56	1.71	......	11	7	13
1895	36.9	72	−6	2.87	4.14	1.55	7.1	8	9	14
1896	35.3	67	2	1.68	2.88	0.57	......	12	9	10
1897	37.3	72	−4	4.00	6.79	2.05	......	6	9	16
1898	33.4	69	−12	2.66	4.23	0.71	7.0	12	8	11
1899	33.3	77	−17	2.81	4.46	1.22	3.9	11	8	12
1900	34.6	66	3	2.26	3.45	1.32	1.0	11	7	13
1901	32.3	75	−9	5.84	8.97	3.57	3.8	7	8	16
1902	33.9	70	−2	5.33	9.95	2.01	9.4	5	7	19
1903	26.5	59	−11	2.00	4.43	0.30	7.8	12	8	11
1904	32.8	71	−20	3.12	5.91	1.63	9.8	8	7	16
1905	35.6	70	3	3.11	5.24	1.30	3.4	11	6	14
1906	35.9	70	−1	4.73	11.15	1.83	6.2	5	6	20
1907	35.5	70	−2	3.36	9.31	0.70	5.2	9	8	14
1908	36.4	73	5	3.03	7.36	1.06	6.0	9	8	14
1909	28.8	78	−10	2.55	6.09	1.16	10.9	9	8	14
1910	28.4	72	−8	2.72	6.90	1.00	14.6	7	7	17
1911	39.3	74	4	3.27	5.58	1.25	1.6	9	5	17
1912	35.8	76	−6	2.88	5.55	1.45	7.1	12	7	12
1913	36.4	68	3	2.82	3.81	1.10	2.9	9	8	14
1914	30.3	70	−20	5.46	8.04	2.58	12.5	7	4	20
1915	32.8	68	0	4.35	7.19	1.35	7.6	5	7	19
1916	32.8	77	−18	3.33	6.38	0.85	10.6	13	7	11
1917	24.3	67	−37	1.51	3.32	0.47	11.8	11	6	14
1918	41.0	74	0	4.41	8.14	2.70	3.2	8	6	17
1919	30.4	72	−15	4.07	7.35	1.17	7.8	10	6	15
1920	35.6	70	0	2.55	5.13	1.32	3.7	6	7	18
1921	37.0	79	0	4.25	7.51	1.11	7.5	7	7	17
1922	36.6	75	2	4.71	7.27	1.03	3.6	10	5	16
Means and extremes	34.3	80	−37	3.37	11.15	0.30	6.8	9	7	15

Climatological Data for December, 1922.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	21	34.6	+ 6.1	63	8	3	30	34	4.65	+0.75	1.40	4.5	11	13	3	15	sw.	U. G. Clark.
Brandywine	Pendleton	.....	6	39.0	.....	70	2†	10	30	41	2.60	.....	0.85	2.0	7	15	0	16	s.	Elmer Keister.
Burlington	Mineral	875	28	35.7^{a}	+ 3.5	70	8	5^{a}	20	39^{a}	3.66	+1.06	1.12	4.5	7	14	8	9	se.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	33	.....	.....	.....	.....	.....	.....	.....	2.78	+0.16	0.89	4.5	8	.....	.....	.....	.....	J. C. Newcomer.
Inwood††	Berkeley	569	0	35.6	.....	64	2	9	20	38	1.66	.....	0.76	2.1	6	18	5	8	w.	H. W. Prettyman.
Moorefield	Hardy	900	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. S. Henkel.
Piedmont	Mineral	919	9	34.5	.....	69	8	8	20	34	4.55	.....	1.63	3.0	8	11	7	13	se.	C. A. Suter, Jr.
Romney	Hampshire	824	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Geo. E. Arnold.
Stony River Dam	Grant	.....	2	.....	.....	.....	.....	.....	.....	.....	5.19	.....	1.48	5.0	11	5^{a}	5^{a}	20^{a}	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	23	33.6^{d}	+ 0.1	66^{d}	1†	9^{d}	20	50^{d}	1.16	−1.05	0.40	2.0	5	13	0	18	w.	J. M. Mallow.
Wardensville	Hardy	1,200	4	36.5	.....	71	1	6	20	44	1.03	.....	0.50	3.3	6	.....	.....	.....	w.	Luther F. Sutton.
Averages and	extremes	.....	.....	35.6	+ 3.2	71	1	3	30	50	3.20	+0.48	1.63	3.6	8	12	4	15	w.	
Northern Division.																				
Bens Run	Pleasants	622	20	36.6	+ 3.2	67	8	10	19	33	3.78	+0.02	0.75	9.0	12	15	4	12	.....	J. D. Riggs.
Bruceton Mills	Preston	1,549	2	.....	.....	.....	.....	.....	.....	.....	5.82	.....	1.36	6.2	14	4	7	20	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	25	37.6	+ 4.6	67	8†	12	30	34	5.42	+1.41	1.20	6.0	12	16	0	15	.....	H. A. Darnall.
Cairo	Ritchie	680	23	35.6	+ 1.4	68	8	9	19	38	4.59	+0.83	0.84	8.0	13	9	3	19	.....	O. C. Hess.
Cheat Bridge	Randolph	3,558	4	.....	.....	.....	.....	2	30	.....	5.31	.....	1.45	6.0	14	13	4	14	.....	H. F. Cromer.
Clarksburg	Harrison	1,015	0	34.8^{c}	.....	71^{c}	8	8	14†	42^{c}	4.54	.....	1.15	5.0	11	9	10	12	sw.	Clarksburg Water Board.
Cortland	Tucker	3,300	11	.....	.....	.....	.....	.....	.....	.....	4.54	.....	1.62	4.0	7	5	12	14	.....	G. W. Harmon.
Creston	Wirt	701	20	38.2	+ 4.3	71	8	11	13†	41	5.25	+1.92	1.61	2.5	12	11	1	19	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	1	.....	.....	.....	.....	.....	.....	.....	3.93	.....	0.95	6.0	13	.....	.....	.....	.....	Lockmaster.
Dam 12 O. R††	Ohio	614	6	.....	.....	.....	.....	.....	.....	.....	2.83	.....	0.60	.....	9	.....	.....	.....	.....	Lockmaster.
Dam 13 O. R††	Ohio	605	6	.....	.....	.....	.....	.....	.....	.....	2.12	.....	0.60	.....	7	.....	.....	.....	.....	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	1	.....	.....	.....	.....	.....	.....	.....	2.66	.....	0.74	6.0	11	.....	.....	.....	n.	Lockmaster.
Davis	Tucker	3,093	13	.....	.....	.....	.....	.....	.....	.....	5.80	+0.96	1.64	4.5	13	9	4	18	w.	Ross C. Male.
Elizabeth	Wirt	646	10	.....	.....	.....	.....	.....	.....	.....	4.83	+1.51	1.29	.....	9	.....	.....	.....	.....	E. D. Ball.
Elkins	Randolph	1,947	21	35.4	+ 2.9	67	8	8	30	36	4.53	+1.11	1.27	4.5	15	6	6	19	w.	U. S. Weather Bureau.
Fairmont	Marion	883	16	35.0	+ 2.8	66	8	11	19	36	3.76	+0.40	0.81	7.0	11	15	1	15	w.	Creed E. Bolyard.
Glenville	Gilmer	738	28	37.2	+ 2.2	73	8	10	13†	46	5.51	+1.82	1.67	6.0	11	9	9	13	w.	Howard R. Brannon.
Grafton	Taylor	1,000	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. C. Byers.
Lost Creek	Harrison	1,026	24	36.4	+ 2.6	68	8	8	13†	41	5.07	+1.58	1.34	4.5	12	10	6	15	w.	Allen Smith.
Mannington	Marion	974	19	36.1	+ 3.6	67	8	9	19†	38	3.47	−0.05	0.86	4.9	13	10	6	15	w.	Jas. A. Morgan.
Morgantown^{c}	Monongalia	1,250	29	38.6	+ 5.1	70	26	8	19	31	2.34	−0.78	0.77	6.5	8	4	8	16	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	19	36.4^{a}	+ 3.3	70^{a}	8	8	19	37^{a}	1.70	−1.59	0.50	1.0	6	13	10	8	se.	G. W. Wright.
New Cumberland	Hancock	987	24	32.8	+ 2.0	65	8	6	19	34	2.13	−0.50	0.62	1.0	8	10	5	16	n.	Geo. W. Derouin.
New Martinsville	Wetzel	634	28	37.2	+ 2.4	69	8	8	19	39	3.15	−0.41	0.95	.....	11	11	3	17	s.	Wm. Ankrom.
Parkersburg	Wood	638	35	37.4	+ 2.3	71	8	12	19	31	4.13	+1.36	0.84	3.0	16	7	6	18	se.	U. S. Weather Bureau.
Parsons^{c}	Tucker	1,656	22	34.4	+ 3.2	65	8	6	28	40	4.85	+1.06	1.75	.....	6	9	6	11	.....	J. W. Swisher.
Philippi	Barbour	1,149	25	38.6	+ 5.3	68	8	9	13	35	4.46	+0.63	1.16	2.0	14	13	5	13	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	19	34.2	+ 2.1	62	8	7	13	34	7.14	+1.94	3.63	5.0	13	11	2	18	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	35	.....	.....	.....	.....	.....	.....	.....	4.41	+1.18	1.50	8.0	10	.....	.....	.....	w.	J. F. Pierce.
Saint Marys	Pleasants	577	13	.....	.....	.....	.....	.....	.....	.....	4.26	+0.76	0.90	5.2	10	.....	.....	.....	nw.	Wm. Hughes.
Smithfield	Wetzel	835	16	35.0	+ 3.5	66	9	10	13†	38	3.45	−0.63	0.91	8.5	11	15	4	12	sw.	G. M. Whisler.
Terra Alta	Preston	2,612	21	31.8^{a}	+ 1.8	60^{a}	8	6	13	44^{a}	5.27	+0.11	1.38	9.6	15	8	5	18	w.	N. F. Kidd.
Wellsburg	Brooke	1,225	21	34.0	+ 3.0	64	8	6	19	35	1.67	−1.40	0.49	2.0	7	9	10	12	.....	George P. Pfister.
Weston	Lewis	1,026	26	39.4	+ 4.4	70	8	13	13	37	5.55	+1.85	1.52	5.0	13	8	8	15	.....	Weston State Hospital.
Wheeling	Ohio	645	35	34.3	+ 2.4	67	8	6	19	39	2.81	−0.16	0.64	1.3	10	10	3	18	w.	Miss M. B. Forsyth.
Averages and	extremes	.....	.....	36.0	+ 3.1	73	8	2	30	46	4.25	+0.57	3.63	5.1	11	10	6	15	w.	
Southern Division.																				
Bancroft	Putnam	574	18	37.5	+ 2.6	75	8	11	19	43	5.57	+2.22	1.78	5.5	16	10	3	18	sw.	M. Frazier.
Beckley	Raleigh	2,440	22	40.6	+ 7.2	61	2†	12	13	39	7.08	+3.98	1.78	1.0	8	8	3	20	sw.	E. E. Phipps.
Bluefield††	Mercer	2,558	27	43.6	+ 8.4	68	26	16	13	35	6.39	+3.48	1.40	T.	16	10	7	14	.....	Norfolk & Western Ry
Camden-on-Gauley	Webster	2,062	7	.....	.....	.....	.....	.....	.....	.....	5.00	.....	1.60	T.	6	2	0	29	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	19	40.2	+ 0.5	69	26	14	19	38	6.87	+3.55	2.10	0.2	12	9	1	21	sw.	C. V. Lewis.
Clay	Clay	706	6	.....	.....	.....	.....	.....	.....	.....	5.01	.....	1.60	3.0	11	.....	.....	.....	.....	Mark King.
Cuba	Jackson	650	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	6	.....	.....	.....	.....	.....	.....	.....	4.15	.....	0.92	3.1	14	.....	.....	.....	.....	Lockmaster.
Dam 20 O. R.	Wood	551	6	.....	.....	.....	.....	.....	.....	.....	4.35	.....	1.11	3.4	15	.....	.....	.....	.....	Lockmaster.
Dam 22 O. R.	Jackson	538	7	.....	.....	.....	.....	.....	.....	.....	4.70	.....	1.33	3.3	9	.....	.....	.....	.....	Lockmaster.
Dam 26 O. R.	Mason	505	6	.....	.....	.....	.....	.....	.....	.....	4.52	.....	1.62	.....	10	.....	.....	.....	.....	U. S. Engineer Office.
Gary	McDowell	1,426	6	37.6^{e}	.....	62^{e}	1	19^{e}	13†	39^{i}	6.10	.....	1.86	T.	15	.....	.....	.....	.....	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	26	38.6	+ 3.1	72	8	13	30	40	6.20	+3.53	1.60	1.0	12	8	3	20	w.	W. H. Gwinn.
Hinton	Summers	1,450	25	38.2	+ 3.3	72	8	18	1†	39	5.36	+2.56	1.40	T.	11	10	1	20	n.	J. B. Lavender, C. E.
Huntington	Cabell	538	28	37.2	+ 2.8	62	1	12	19†	35	6.18	+2.79	1.92	2.2	12	9	3	19	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	3	.....	.....	.....	.....	.....	.....	.....	5.87	.....	2.05	T.	9	.....	.....	.....	.....	J. O. Brown.
Kayford	Kanawha	1,335	6	.....	.....	.....	.....	.....	.....	.....	7.27	.....	1.68	1.5	13	.....	.....	.....	.....	Cabin Creek Con. Coal Co
Lewisburg	Greenbrier	2,200	22	36.9	+ 4.7	66	8	13	13†	36	6.04	+3.20	1.50	T.	9	11	4	16	nw.	Geo. T. Argabate.
Marlinton††	Pocahontas	2,131	23	31.8	+ 2.7	60	8	8	20	32	6.26	+2.66	1.92	1.0	14	3	17	11	sw.	S. L. Brown.
Organ Cave	Greenbrier	.....	0	.....	.....	.....	.....	.....	.....	.....	6.58	.....	1.53	T.	8	7	10	14	.....	D. C. Humphreys.
Point Pleasant	Mason	553	29	38.0	+ 2.8	62	2†	9	19	30	4.82	+1.59	1.47	T.	13	5^{f}	3^{f}	17^{f}	.....	W. D. Holmes.
Powellton	Fayette	933	26	.....	.....	.....	.....	.....	.....	.....	3.61	+0.55	1.18	1.3	6	.....	.....	.....	.....	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	6	.....	.....	.....	.....	.....	.....	.....	6.60	.....	1.50	1.0	11	.....	.....	.....	.....	Raleigh Coal & Coke Co.
Robertsburg	Putnam	574	22	36.8	+ 2.8	75	8	10	19†	43	5.35	+1.89	1.90	.....	11	11	0	20	.....	E. C. Brace, Jr.
Ryan	Roane	700	19	36.5	+ 2.6	71	8	7	19	47	5.45	+2.00	1.17	5.7	14	9	3	19	.....	Wm. E. Ryan.
Sharples	Logan	.....	2	.....	.....	.....	.....	.....	.....	.....	5.23	.....	0.73	T.	13	.....	.....	.....	.....	C. E. Rippetoe.
Spencer	Roane	784	18	37.8	+ 3.3	70	8	10	19	40	5.44	+2.07	1.65	6.0	9	9	6	16	.....	A. M. McKown.
Sutton	Braxton	839	16	36.8	+ 1.8	59	8†	12	19†	39	6.83	+2.89	1.36	7.0	12	13	0	18	.....	C. B. Eakle.
Union	Monroe	2,250	18	39.0^{f}	+ 7.1	68^{f}	9	11^{f}	19†	38^{f}	4.89	+2.37	1.02	0.2	11	7^{g}	2^{g}	15^{g}	.....	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	12	36.4	.....	68	7	10	18	41	6.52	.....	1.32	2.4	12	19	2	10	.....	J. M. Ayres.
Williamson	Mingo	660	22	40.2	+ 3.3	70	8	20	13†	33	7.05	+3.21	1.62	0.5	12	15	1	15	w.	J. F. Keyser.
Averages and	extremes	.....	.....	38.0	+ 3.4	75	8	7	19	47	5.67	+2.56	2.10	1.9	11	10	3	18	w.	
State averages and	extremes	.....	.....	36.6	+ 3.2	75	8	2	30	50	4.71	+1.23	3.63	3.6	11	10	5	16	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for December, 1922.

Stations.	Drainage-basin.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac	T.	.10		T.	1.40	T.	.17	.18	.31	.28		T.		.16	.39		1.18					T.						.31	.17	T.		4.65
Brandywine	...do				*	.85		.30			.15				T.	.10		.75								T.			.15				2.30
Burlington	...do				*	1.07		T.	.19		.20						1.12											.43	T.			.65	3.66
Harpers Ferry	...do					.66			.11	.31	.24					.04	.51												.89	.02			2.78
Inwood	...do					.76			.07	.09	.13							.10											.51				1.66
Moorefield	...do																																
Piedmont	...do					1.38		.05	.15		.31		T		.44	T.		1.63	T.										.54	.04		.01	4.55
Romney	...do																																
Stony River Dam ‖	...do			.24		1.48			.35	.36	.36		.49			.33		.92	.22										.35	.09			5.19
Upper Tract	...do					.25		.10			.16							.40														.25	1.16
Wardensville ‖	...do					.40		.06		.25	.25							.02											.05	T			1.03
Northern Division.																																	
Bens Run	Ohio	.08			.22	.65		.36	.23		.30		.03		.20			.75										.17	.74			.05	3.78
Bruceton Mills ‖	Monongahela	T.	.42		.11	1.36		.38	.18	.03	.30	.03			.41	.28		1.15					T.					T.	.68	.22		.27	5.82
Buckhannon	...do				.35	1.15		.35	.15	T.	.30		.10		.30	.40		1.20											.40	.22		.50	5.42
airo	Little Kanawha	.01			.55	.57		.60	.52		.33		.04		.08	.13		.84										.02	.59	.31		T.	4.59
heat Bridge ‖	Monongahela	.08			.17	1.45		*	.33	.86	.17	T.	.01	T.		.50	.02	.90	.12	T.	T.			T.					.40	.30	T.		5.31
arksburg	...do		T.			1.15		.01	.62	.38	.32		.01		T.	.32		.72	.08										.38	.55			4.54
ortland	...do				1.62				.42	.27					.80			.64	.70											.09			4.54
reston	Little Kanawha	T.	T.			1.61		.04	.74	.02	.38		.05		.03	.18		1.10	.05										.60	.45			5.25
am 10, Mon. R. ‖	Monongahela	.01	.08			.95			.27	.26	.24		.04	.01	T.	.28		.73	.12										.34	.60			3.93
am 12, O. R ‖	Ohio		.08			.42			.35	.47			.01			.10		.50											.30	.60			2.83
am 13, O. R ‖	...do					.52			.20	.60						.06		.41											.27	.06			2.12
am 15, Mon. R. ‖	Monongahela		.04			.74			.31	.05	.08		.06			.16		.51	.05										.32	.34			2.66
avis	...do		.02	.14		1.64		.48		.29	.27			.24		.86		1.14	.24				T.						.29	.06	.13		5.80
lizabeth ‖	Little Kanawha					1.29			1.00		.45		.10			.19		.94	.06										.60	.20			4.83
lkins ***	Monongahela	T.		.01	.81	.46		.43	.20	.05	.40		.03		.18	.33	.41	.53	T.				T.			T.		.10	.42	T.		.17	4.53
airmont ‖	...do	T.	.13			.81			.33	.35	.45		.26		T.	.27	T.	.10	.10							T.			.36	.60			3.76
lenville ‖	Little Kanawha					1.67		.04	.66	.05	.43		.04			.52		1.24	.08										.46	.52			5.51
rafton ‖	Monongahela																																
ost Creek	...do	T.			.18	1.16		.29	.85	T.	.21		.02		.09	.20		1.08										T.	.70	.21		.08	5.07
annington	...do	.05			.05	.81		.25	.24		.20		.05		.10	.18		.73								T.		T.	.58	.14		.09	3.47
organtown	...do	T.	T.		T.	.55	.17		.17		.09				.10			.77											.22	.27			2.34
oundsville ‖	Ohio	T.	T.			.40		T.	.20	.20			T.		T.			.50											.30	.10			1.70
ew Cumberland ‖	...do		.06			.32			.45	.13			T.		T.	11		.44											.42	.20			2.13
ew Martinsville	...do	.10			.10	.95		.30	.10						.15	.05	.65												.50	.20		.05	3.15
arkersburg ***	Ohio	.03			.68	.15		.75	.41	.02	.08		.05		.16	.01	.20	.51					.02					.12	.74			.20	4.13
arsons	Monongahela				1.50			*	.60						1.75		.50											.50					4.85
hilippi	...do	T.			.12	1.15		.26	.20	.15	.03		.16		.14	.31		1.16								.01		T.	.51	.18		.08	4.46
ickens	...do		T.	.11	1.50	2.13		1.05	.60	.10	.22		.10	T.	.15			.65	T.				T.					.20	.24	.09		T.	7.14
owlesburg ‖	...do					.20			.40	.20	.32		.06	T.		.70		1.50	.20										.45	.38			4.41
aint Marys ‖	Ohio					.90			.52	.49	.10					.20		.75	.08				.02						.50	.70			4.26
mithfield ‖	Fishing Creek		.09			.91		.03	.34	.15	.30		.05		T.			.02	.87										.36	.33			3.45
erra Alta	Monongahela		.02			1.38			.40	.25	.30		.07		.04	.69	.04	1.37	.23				.01			.01			.36	.10			5.27
ellsburg	Ohio	.05				.40		.15	.05						.07			.49											.46				1.67
eston	Monongahela	.10			.20	1.28		.33	.32		.24				.13	.20			1.52									.17	.54	.18		.34	5.55
heeling ‖	Ohio	.01	.08			.30		T.	.25	.64	T.		.01			.10		.60	T.									T.	.32	.50			2.81
Southern Division.																																	
ucroft ‖	Great Kanawha		.01	.08		1.78		.12	.64	.35	.32	.04	.04		.02	.13		1.23	.08				.04						.29	.40			5.57
ckley	...do	.02			1.51			1.24			.46				1.78			1.04											.08			.95	7.08
uefield	...do				.85	.55		.57	.09	.45	.25	.20	.05	T.	.35	1.40		.60										.11	.20	.06	.03	.63	6.39
mden-on-Gauley ‖	...do	.20			1.60		1.20		.80		T.	T.			.20		1.00													T.			5.00
arleston ‖	...do			.15		2.10		.10	1.45	.32	.40	T.	T.		.15	.40		1.20	.25				T.						.05	.30			6.87
ay ‖	...do			.07		1.60		.02	1.04	.30	.58		.03					.60	.10										.30	.37			5.01
dha	Sand Creek																																
m 19 O. R. ‖	Ohio	T	.02			.92		.02	.78	.40	.05		.04		.03	.16		.83	.02				.01						.68	.19			4.15
m 20 O. R. ‖	...do		.03		1.11			.09	.85	.06	.20		.06		.03	.18	.02	.90	.02				.04						.60	.16			4.35
m 22 O. R. ‖	...do					1.33		T.	.86	.10	.29		.12		T.	T		.80	T.				.10						.60	.50			4.70
m 26 O. R ‖	...do					1.62		.10	.90	.05	.20		.10			.10		1.00											.40	.05			4.52
ry ‖	Big Sandy		.04		.10	1.40		.40	.28	.37		.37	.03		.23	1.86		.48	.30									.02	.17	.05			6.10
en Sulpr. Spgs.	...do	T.			.90	.70		1.30	.14	.26	.31				.52	.94	.85											T.	.11	.09		.08	6.20
nton ‖	...do		.04			1.00		.16	1.14	.22	.40				.04	1.40		.60	.20										.16	T.			5.36
ntington ‖	Ohio		T.	.06		1.92		.24	.74	.54	.34				.02	.12		1.34	.02				T.						.56	.28			6.18
nawha Falls ‖	Great Kanawha					2.05		T.	.98	.75	.27		T.		.05	.35		.90	.27										T.	.25			5.87
yford ‖	...do			.06		1.68	T.	.06	1.06	1.10	.30			.02	T.	1.01	.06	1.06	.06										.48	.32			7.27
visburg	...do				.81	.69		1.23	.19	T.	.38				.48	.75		1.16										T.	.35	T.		T.	6.04
gan	Guyandotte																																
rlinton	Great Kanawha	.13			1.30	.62		.81	.31	.08	.11				.42	.24		1.26								.02		.28	.16			.52	6.26
gan Cave	...do				1.10			1.53	T.	.46					1.45		.86	.10										.41	T.			.67	6.58
nt Pleasant	Ohio	.02			.45	1.02		.68	.42		.43		.07		.06			.89										.02	.68	.04		.04	4.82
wellton	Great Kanawha							1.18	.15	.75	T.							1.05											.42	.06			3.61
eigh ‖	...do		.30			.70		.35	1.40	.35	.30				.30	1.50		.65	.40											.35			6.60
pertsburg ‖	...do					1.90		.20	.90	.19	.15				.05	.11		1.20	.05										.39	.21			5.35
in	...do	.01			.70	1.15		.69	.33		.38		.02		.06	.12		1.17										.02	.66	.12		.02	5.45
rples ‖	Coal River				.10	.53	.38	.69	.38	.73				.64	.03	.70	.06	.73										.03	.23				5.23
ncer ‖	Little Kanawha		T.			1.65		T.	1.17	T.	.22		.16			.18		1.12											.34	.20		.40	5.44
ton	Great Kanawha	.61			.37	1.36		.68	.31	.14	.28				1.20	.32	T.	.98	T.			T.						T.	.42	.16	T.	T.	6.83
on	...do		.14		.49	.43		.80	.24	.12	.27				.60	1.02			.76											.02			4.89
ite Sulpr. Spgs. ‖	...do	.09			1.20		.12	1.32	.12	.34				.08	1.13		1.13	.10											.24			.65	6.52
liamson ‖	Big Sandy		.18		T.	1.62		.23	.98	.18	.17		T.		.20	1.60		1.25	.14										.25	.25			7.05

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for December, 1922.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum ...	57	54	48	46	53	41	49	63	62	40	43	43	36	44	53	35	46	32	24	39	39	37	48	47	53	58	58	54	40	37	48	46.0
	Minimum....	32	29	34	24	38	24	18	48	29	24	11	30	9	15	32	23	29	19	10	5	12	24	25	28	26	27	26	34	19	3	16	23.3
Brandywine	Maximum ...	60	70	65	60	64	59	61	70	59	40	42	50	49	52	47	44	48	40	32	40	54	42	46	57	58	64	56	55	46	45	42	52.2
	Minimum....	35	34	28	23	38	40	30	39	32	28	13	30	30	11	27	25	30	27	14	11	18	21	22	24	28	24	25	35	24	10	28	25.9
Burlington	Maximum ...	68	62	57	48	54	48	41	70	57	53	43	47	43	32	46	40	41	37	31	30	40	37	43	51	49	63	53	42	39	33	39	46.4
	Minimum....	....	32	36	25	38	32	20	31	46	32	12	24	17	19	31	28	30	27	13	5	8	22	22	23	28	24	28	38	27	12	21	25.0
Inwood	Maximum ...	61	64	55	52	53	50	38	61	54	44	33	52	47	32	49	42	39	39	28	31	41	39	44	48	47	62	61	42	37	35	40	46.0
	Minimum....	27	34	35	28	40	32	20	32	35	27	16	29	15	19	31	23	27	27	12	9	14	17	29	22	29	24	29	35	26	15	24	25.2
Moorfield	Maximum ...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Piedmont	Maximum ...	65	62	60	46	46	40	35	69	60	38	35	45	30	31	40	32	33	34	33	28	42	33	41	50	43	62	49	38	37	32	39	42.8
	Minimum....	37	36	35	30	39	27	22	35	34	20	15	29	14	21	30	27	29	21	12	8	14	30	27	29	31	28	32	36	25	14	24	26.2
Romney	Maximum ...	65	66	64	57	53	52	46	46	45	40	40	45	45	34	36	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum....	37	31	35	26	37	30	32	33	24	30	12	27	11	19	29	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Upper Tract	Maximum ...	66	66	....	....	60	60	47	46	43	32	34	35	33	32	38	39	40	40	36	40	42	48	49	49	60	64	64	63	63	....	....	47.7
	Minimum....	29	30	....	....	26	28	22	22	25	25	12	15	16	17	18	20	21	16	13	9	10	14	15	18	25	26	25	15	13	....	....	19.4
Northern Division.																																	
Bens Run	Maximum ...	66	60	57	51	58	44	55	67	53	38	46	49	27	36	36	34	35	34	31	47	40	34	51	51	56	62	51	50	32	36	55	46.
	Minimum....	42	30	35	28	39	25	29	52	30	22	22	24	12	24	23	23	32	16	10	16	22	30	29	27	31	29	32	29	26	16	25	26.
Buckhannon	Maximum ...	60	55	54	48	54	40	54	67	67	36	50	47	38	53	47	53	32	32	27	46	41	41	50	50	55	60	57	56	36	43	54	48.
	Minimum....	30	29	33	28	38	21	27	46	34	20	16	36	13	21	34	26	31	22	15	14	24	25	30	24	32	27	33	35	25	12	26	26.
Cairo	Maximum ...	63	60	55	50	58	43	54	68	59	39	45	40	30	43	42	34	39	35	24	44	41	40	51	50	55	61	56	51	31	40	51	46.
	Minimum....	34	29	30	24	40	18	25	53	30	17	15	30	10	23	30	24	33	20	9	11	12	31	23	20	27	23	30	31	26	10	21	24.
Clarksburg	Maximum ...	61	50	54	58	47	45	61	71	42	34	48	44	35	50	38	48	47	26	29	....	....	....	56	52	56	62	56	51	29	38	56	48.
	Minimum....	26	27	25	22	22	20	24	38	34	25	13	18	10	8	23	24	27	22	11	8	15	15	24	24	28	25	24	33	25	12	17	21.
Creston	Maximum ...	54	61	57	53	58	47	56	71	68	41	47	46	37	46	44	35	44	35	31	47	47	41	54	54	58	66	66	55	30	39	56	49.
	Minimum....	33	29	33	27	42	20	27	50	30	23	15	34	11	24	32	24	33	22	11	12	27	30	24	21	29	25	30	30	27	14	35	26.
Elkins	Maximum ...	60	53	52	47	56	41	56	67	44	31	44	45	25	58	58	39	53	29	29	45	43	31	51	53	57	62	56	52	24	38	52	46.
	Minimum....	34	29	30	26	32	25	26	44	31	16	15	19	11	25	27	27	29	19	15	11	16	25	23	24	30	26	28	23	17	8	31	23
Fairmont§	Maximum ...	59	47	54	54	52	41	56	66	40	36	47	45	28	47	37	41	44	27	26	45	43	31	51	48	56	61	57	47	28	34	52	45.
	Minimum....	37	30	31	27	29	25	25	34	33	21	19	22	12	13	28	26	26	21	11	12	18	21	26	27	28	32	34	35	24	15	16	24.
Glenville	Maximum ...	63	61	60	55	60	44	55	73	70	42	50	50	34	47	49	35	49	35	25	40	41	40	46	52	62	69	60	51	31	35	54	49.
	Minimum....	31	26	35	25	42	19	25	48	30	23	15	33	10	22	32	25	33	22	10	11	15	30	23	20	27	23	28	30	25	10	22	24.
Grafton§	Maximum ...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Lost Creek	Maximum ...	62	60	56	46	56	46	54	68	59	39	52	49	38	46	50	35	48	33	30	48	44	39	53	52	59	58	56	53	32	37	52	48.
	Minimum....	40	24	39	21	41	16	21	50	31	23	11	37	8	17	30	24	31	20	10	9	14	28	23	19	26	21	29	31	24	8	18	24.
Mannington	Maximum ...	60	59	56	47	57	42	53	67	61	38	47	48	41	45	44	31	12	34	27	45	43	36	52	50	57	62	53	51	33	37	53	47.
	Minimum....	35	25	31	23	38	21	23	53	32	15	13	29	11	18	30	24	32	22	9	14	17	29	29	25	27	24	29	33	25	9	21	24.
Morgantown	Maximum ...	60	58	55	51	55	53	...	66	60	51	52	49	30	46	....	35	47	33	25	47	42	37	52	48	57	70	64	59	32	43	....	49
	Minimum....	50	30	36	30	38	25	....	52	30	22	21	30	10	20	..	24	31	12	8	16	22	28	26	30	34	41	46	31	22	16	....	27
New Cumberland§	Maximum ...	61	46	54	57	45	34	59	65	36	36	47	42	26	37	32	36	34	19	25	39	33	36	48	39	54	60	45	42	27	39	53	42
	Minimum....	34	25	26	26	28	25	25	34	27	22	20	27	10	10	25	23	24	13	6	10	20	20	29	34	23	31	33	33	24	18	20	23
New Martinsville	Maximum ...	63	65	60	61	60	49	58	69	61	40	47	47	28	41	41	37	45	44	30	49	43	38	53	52	59	64	57	50	32	39	57	49
	Minimum....	43	26	32	25	37	21	25	52	28	23	19	22	10	20	28	21	29	15	8	13	17	28	27	25	28	27	30	27	25	12	23	21
Parkersburg	Maximum ...	64	48	57	57	58	43	57	71	40	36	45	49	26	41	39	34	36	33	29	46	41	36	52	51	57	64	54	50	32	39	56	46
	Minimum....	43	35	35	31	33	28	32	40	30	26	25	19	11	26	26	25	32	15	12	18	25	31	31	26	35	36	36	29	27	21	32	28
Parsons	Maximum ...	54	59	59	48	53	49	60	65	56	39	47	45	35	50	50	38	60	42	31	28	42	54	....	....	....	....	42	34	40	53	....	47
	Minimum....	25	29	33	21	30	21	20	40	28	17	13	21	9	15	24	30	30	19	13	7	13	20	....	....	....	....	20	6	28	25	....	21
Philippi	Maximum ...	59	58	54	52	45	42	53	68	66	40	49	48	33	47	53	53	52	34	32	50	45	39	51	51	57	63	59	58	32	47	54	49
	Minimum....	46	29	37	30	38	22	26	50	33	22	16	30	9	18	28	24	29	19	10	15	19	26	24	34	35	35	41	30	22	12	37	27
Pickens	Maximum ...	55	55	51	50	53	42	53	62	50	33	45	39	25	50	52	57	43	27	27	43	41	30	47	49	53	58	56	51	27	37	49	45
	Minimum....	40	27	29	28	25	18	27	48	31	17	15	15	7	18	25	23	23	18	11	14	18	19	20	26	30	31	33	21	15	9	33	23
Terra Alta	Maximum ...	54	46	46	51	43	32	54	60	40	33	42	41	32	51	35	44	44	21	24	40	39	35	47	46	53	57	55	41	20	34	....	42
	Minimum....	45	28	32	24	28	22	19	30	27	20	15	19	6	7	27	21	22	15	7	7	12	24	23	29	29	31	30	31	18	11	13	21
Wellsburg	Maximum ...	61	60	54	46	58	41	50	64	59	35	45	45	26	33	37	33	34	33	24	33	35	35	45	43	54	56	43	46	30	39	54	
	Minimum....	35	25	35	25	38	25	22	46	25	19	18	26	11	16	28	20	30	14	6	13	18	22	26	35	29	27	30	29	25	14	25	
Weston	Maximum ...	60	60	65	52	56	47	57	70	69	41	50	51	40	48	54	36	49	35	31	50	47	42	55	54	60	66	61	55	40	35	54	
	Minimum....	42	29	29	27	44	22	27	51	35	25	17	38	13	25	32	26	27	23	14	15	19	30	28	24	32	29	34	34	25	14	24	
Wheeling§	Maximum ...	62	54	60	58	54	42	61	67	40	41	48	44	31	40	35	34	35	22	31	36	37	55	55	49	60	65	45	45	30	39	54	
	Minimum....	33	28	27	28	29	24	22	32	26	20	20	25	10	10	13	20	20	15	6	9	21	29	34	34	30	28	30	22	24	15	15	
Southern Division.																																	
Bluefield	Maximum ...	65	66	64	61	62	61	56	67	65	63	57	50	44	54	58	42	48	53	40	44	52	47	56	58	63	68	64	57	41	50	51	
	Minimum....	32	47	48	41	44	26	38	51	45	42	25	26	16	29	31	31	31	28	19	29	22	28	27	28	38	33	38	28	23	21	23	
Charleston	Maximum ...	64	62	64	58	54	54	55	52	54	51	49	50	42	45	42	47	54	46	44	50	52	48	65	62	64	69	65	59	59	58	57	
	Minimum....	29	35	34	35	30	25	26	25	27	29	28	21	15	18	19	20	22	26	14	15	20	25	29	28	35	32	31	28	29	20	25	
Gary§	Maximum ...	62	..	61	53	52	44	60	54	....	48	41	52	36	49	50	50	51	33	28	25	34	33	....	....	51	54	48	46	30	....	43	
	Minimum....	23	32	....	43	42	24	25	41	46	....	33	33	19	19	35	32	33	33	23	24	24	23	24	....	....	25	39	37	20	23	....	
Green Sulphur Spgs.	Maximum ...	60	65	60	45	55	53	47	72	62	44	42	49	40	38	50	40	47	37	38	45	50	40	55	58	60	63	50	54	32	45	47	
	Minimum....	27	28	36	35	42	20	28	42	43	32	26	34	14	28	36	27	35	27	16	16	16	26	20	20	25	23	28	31	25	13	28	
Hinton §	Maximum ...	42	51	41	51	57	56	46	72	48	39	42	50	34	52	49	41	46	35	39	46	54	48	60	61	65	64	53	46	33	45	57	
	Minimum....	18	28	37	39	38	22	25	35	45	33	27	29	18	18	32	30	32	32	20	19	19	22	25	28	26	30	30	22	28	20	20	
Huntington §	Maximum ...	62	53	55	58	50	48	60	60	47	35	51	45	44	52	38	42	47	25	28	45	42	42	42	46	54	39	51	41	35	44	54	
	Minimum....	34	38	38	39	39	25	25	47	33	28	27	28	16	17	33	25	28	25	12	12	17	25	30	27	27	27	32	39	30	25	25	
Lewisburg	Maximum ...	58	61	56	49	52	50	43	66	60	47	34	48	37	33	50	38	43	35	35	37	45	40	51	53	55	60	54	49	34	40	39	
	Minimum....	27	40	37	35	39	26	29	38	44	32	23	29	13	25	32	26	30	26	15	13	17	26	19	20	27	24	25	34	23	16	25	
Marlinton	Maximum ...	54	56	50	38	48	46	41	60	58	40	30	40	28	38	44	34	40	32	28	32	40	30	42	48	50	54	42	44	30	34	38	
	Minimum....	22	30	32	28	24	16	26	44	38	24	18	20	10	24	24	20	30	20	12	8	14	18	16	24	22	30	20	22	16	10	16	
Point Pleasant	Maximum ...	61	62	51	54	48	48	54	58	58	41	44	44	33	45	45	33	36	37	28	46	46	38	52	51	52	61	62	57	32	38	60	
	Minimum....	48	32	37	29	38	21	29	52	30	16	18	32	13	24	30	23	32	19	9	18	25	31	31	26	36	34	33	30	29	19	30	
Powellton	Maximum ...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
	Minimum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
Robertsburg§	Maximum ...	64	55	58	58	50	48	65	75	40	40	50	45	33	55	37	45	37	25	30	40	50	37	55	58	60	60	65	45	33	45	60	
	Minimum....	28	36	36	30	32	20	22	44	30	25	21	25	12	14	33	21	21	24	10	10	13	15	25	22	25	30	30	45	28	18	18	
Ryan	Maximum ...	65	60	60	50	58	48	55	71	60	35	46	46	31	52	52	36	47	34	32	48	45	32	58	55	61	67	58	50	30	44	55	
	Minimum....	29	26	34	27	36	15	24	47	30	20	17	31	8	22	29	21	33	22	7	10	15	28	20	18	25	20	25	28	20	9	26	
Spencer §	Maximum ...	61	54	56	56	50	52	60	70	38	34	45	45	38	50	37	45	37	24	35	45	47	38	55	55	58	62	65	48	29	44	52	
	Minimum....	46	31	28	32	43	19	20	52	31	24	19	31	12	21	37	24	37	23	10	13	18	30	26	21	30	28	28	48	26	15	29	
Union	Maximum ...	59	61	....	62	55	50	50	62	68	53	....	49	47	34	53	44	....	40	33	38	45	45	53	...	56	61	62	55	43	....	...	
	Minimum....	25	41	...	31	43	20	28	38	44	23	....	29	15	26	32	27	...	28	11	11	20	25	20	...	21	23	28	40	23	...	...	
White Sulphur Spgs§	Maximum ...	62	58	51	54	51	51	68	51	46	37	50	32	53	49	40	39	31	51	38	41	37	52	54	57	61	51	49	39	41	42	41	
	Minimum....	31	36	35	38	20	24	36	46	33	21	19	15	18	30	25	30	30	10	15	17	20	19	19	23	20	25	27	24	13	19	33	
Williamson §	Maximum ...	50	61	58	59	52	48	52	70	42	35	54	47	38	53	47	47	48	33	32	42	43	41	55	55	55	60	54	48	35	45	58	
	Minimum....	26	36	42	42	44	30	30	43	12	34	32	32	20	20	38	30	30	33	21	21	24	25	28	30	33	33	34	42	30	25	25	

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§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

NWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXX. PARKERSBURG, W. VA., YEAR, 1922. No. 13.

GENERAL SUMMARY.

The year was much warmer and somewhat drier than usual.

Although the years of 1898, 1911, and 1921 averaged warmer, the past year was characterized by an exceptionally favorable temperature distribution for comfort and outdoor work. January was cold, the temperature for February, March, April, May, and June averaged above the normal, while July and August were favorably cool. The last four months were warmer than usual.

The precipitation was unfavorably distributed for excellent growth. March, June, and December were wet, but the other months were dry. Over the eastern panhandle counties the precipitation was deficient after March, and the conditions were generally exceptionally droughty, causing much damage to crops.

The season of growth was ample for the ripening of all crops, xtending generally from April 30 to October 13; but, owing to he warm weather in March and April, which developed fruit bloom, the frosts in April caused great damage to fruit.

The average cloudiness was considerably below the normal. The sunshine at Parkersburg averaged 55 per cent of the possible amount, or 9 per cent above the normal. The average at Elkins was 50 per cent, or 6 per cent above the normal.

The wind movement at Parkersburg was 45,046 miles and at Elkins, 42,558 miles.

THE WEATHER BY MONTHS.

JANUARY.—January averaged somewhat colder and much drier than usual. The snowfall was heavy over the eastern ounties on the 11-12th. The sunshine was abundant, the per ent of the possible amount being the greatest of January State ecord over the western counties. The conditions were favorable or outdoor work, winter grains, and transportation.

FEBRUARY.—February was nearly continuously warm, moderely cold weather prevailing on only two or three days. The recipitation was slightly below the normal and the snowfall as light, especially over the western counties. There was a ght snow-cover during the coldest period of the month. The eather was favorable for outdoor work and winter grains.

MARCH.—March was much wetter and considerably warmer an usual, but the snowfall was below the normal and nimportant in the agricultural districts. The outlook for uit was favorable at the close of the month. Wheat made od growth, but plowing was delayed by wet weather.

APRIL.—April was also warm until the last decade, causing rapid growth and the development of fruit buds and bloom. Killing frosts on the 22d, 23d, and 24th, and in some of the more elevated localities on the 29th and 30th, caused great damage to fruit, especially in low orchards. Heavy rain on the 14-15th over the central and western counties caused marked rises in the rivers.

MAY.—May averaged slightly warmer and drier than usual. Heavy to killing frosts occurred in the more elevated localities on the 1st and in a few of the mountain sections on the 15th and 29th, causing some damage to fruit. Owing to the periods of cold weather, there were many complaints of fruit dropping.

(Continued on page 51.)

TEMPERATURE AND PRECIPITATION DATA FOR 1922.

onth.	Temperature in degrees Fahrenheit.				Precipitation in inches.				Sky.			Prevailing direction of the wind.
	Mean.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest local amount.	Number of rainy days.	Clear.	Pt. Cloudy.	Cloudy.	
uary...	30.2	− 1.9	68	−15	2.75	−1.16	4.81	11	12	6	13	w.
ruary..	38.2	+ 6.4	77	−14	2.89	−0.21	5.57	11	8	7	13	w.
ch......	45.0	+ 2.4	85	0	5.33	+1.50	8.19	15	10	5	16	w.
il......	54.4	+ 2.9	91	15	3.15	−0.37	6.76	9	13	7	10	w.
....	63.7	+ 1.8	91	26	3.67	−0.22	5.83	11	14	7	10	w.
....	70.7	+ 1.8	97	33	4.66	+0.45	7.95	11	12	9	9	w.
....	72.9	− 0.1	99	43	4.53	−0.19	8.05	11	15	8	8	w.
ust	68.9	− 2.8	98	31	3.87	−0.07	7.51	10	14	9	8	w.
ember.	67.2	+ 1.6	100	25	2.14	−0.60	5.64	4	21	5	4	w.
ber ...	55.1	+ 0.5	93	18	2.45	−0.50	4.81	6	19	5	7	w.
ember.	43.8	+ 1.1	80	2	1.15	−1.40	2.49	6	12	4	14	w.
mber .	36.6	+ 3.2	75	2	4.71	+1.23	7.27	11	10	5	16	w.
ual....	53.9	+ 1.4	100	−15	41.30	−1.54	8.19	116	160	77	128	w.

Dates on which First and Last Killing Frost Occurred or Minimum Temperature Fell to 32 Degrees.

Station.	Last in Spring.	First in Autumn.	Station.	Last in Spring.	First in Autumn.
Bancroft	April 30	Oct. 19	Moorefield	May 1	....
Bayard	May 29	Sept. 26	Morgantown	April 22	Oct. 13
Beckley	May 1	Oct. 13	Moundsville	....	Oct. 13
Bens Run	April 30	Oct. 19	New Cumberland	April 29	Oct. 13
Bluefield	April 21	Oct. 19	New Martinsville	April 30	Oct. 14
Brandywine	April 30	Sept. 26	Parkersburg	April 22	Oct. 19
Buckhannon	April 29	Oct. 13	Parsons	May 1	....
Burlington	May 1	Sept. 26	Philippi	April 29	Oct. 13
Cairo	April 30	Oct. 13	Piedmont	April 29	Sept. 26
Charleston	April 24	Oct. 19	Pickens	April 30	Oct. 13
Cheat Bridge	May 30	Sept. 26	Point Pleasant	April 30	Oct. 13
Creston	April 29	Oct. 13	Powellton	April 26	....
Cuba	May 1	....	Robertsburg	April 30	Oct. 19
Elkins	April 30	Oct. 19	Romney	April 29	Sept. 27
Fairmont	April 29	Oct. 18	Ryan	May 1	Oct. 13
Gary	April 28	Oct. 19	Smithfield	May 1	Oct. 13
Glenville	April 30	Oct. 13	Spencer	April 30	Oct. 13
Grafton	May 1	....	Sutton	April 30	Oct. 18
Green Sulphur Springs	April 30	Oct. 13	Union	May 1	Oct. 13
Hinton	April 30	Oct. 19	Upper Tract	April 30	Sept. 26
Huntington	April 23	Oct. 27	Wellsburg	May 1	Sept. 26
Lewisburg	April 30	Oct. 13	Weston	April 29	Oct. 13
Lost Creek	May 1	Oct. 13	Wheeling	April 29	Oct. 18
Mannington	May 1	Oct. 13	White Sulphur Springs	April 30	Oct. 12
Marlinton	May 9	Sept. 26	Williamson	April 24	Nov. 10
Martinsburg	April 25	Oct. 19			

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA.

Year.	Temperature.			Precipitation.			Number of days.			
	State mean.	Highest.	Lowest.	State average.	Greatest local amount.	Average snowfall.	With precip. .01 inch or more.	Clear.	Partly Cloudy.	Cloudy.
1891	52.0	......	......	45.96	......	......	......	......	......	......
1892	52.1	99	−12	38.33	7.20	......	......	......	......	......
1893	52.0	99	−25	39.82	7.85	......	116	......	......	......
1894	53.5	103	−29	34.52	7.48	......	102	155	114	96
1895	51.5	107	−21	32.82	7.69	......	100	150	111	104
1896	53.6	97	−10	43.49	15.70	......	111	132	128	106
1897	53.5	103	−18	41.59	8.42	......	116	141	113	111
1898	54.8	103	−13	47.61	11.57	20.6	117	133	129	103
1899	53.2	100	−35	40.97	8.64	36.1	108	142	107	116
1900	54.1	104	−11	37.62	9.00	30.6	114	135	116	114
1901	52.1	104	−11	44.78	11.10	28.2	116	128	95	142
1902	52.8	104	−14	42.19	9.95	49.1	112	128	118	119
1903	52.0	105	−19	40.55	12.30	29.3	112	151	102	112
1904	50.9	98	−20	33.33	8.29	31.7	111	148	110	108
1905	52.3	100	−22	45.53	10.64	35.3	117	144	102	119
1906	54.0	101	−11	44.36	11.15	40.2	130	134	101	130
1907	51.7	98	−23	52.15	13.36	35.0	138	128	102	135
1908	53.7	101	−16	40.47	11.45	38.0	116	155	110	101
1909	53.0	101	−10	43.02	10.50	30.3	126	143	109	113
1910	52.3	98	−11	38.60	13.16	47.4	118	140	103	122
1911	54.6	106	− 5	47.13	12.63	23.2	131	140	97	128
1912	51.7	100	−34	43.78	14.02	33.9	124	159	81	126
1913	53.9	103	− 4	49.02	10.53	31.6	122	162	79	124
1914	52.3	106	−22	39.71	10.05	67.7	116	153	81	131
1915	52.8	101	− 8	43.76	11.38	29.4	125	146	84	135
1916	52.6	104	−18	44.63	10.79	43.9	121	157	92	117
1917	49.9	104	−37	44.33	14.20	54.6	123	163	74	128
1918	53.2	110	−27	41.77	10.28	37.7	122	160	83	122
1919	54.0	104	−16	47.27	13.08	16.8	118	164	78	123
1920	52.0	99	−11	41.62	9.70	25.7	120	147	75	144
1921	55.6	101	−10	45.45	10.67	22.4	122	115	93	127
1922	54.1	100	−15	41.57	8.19	25.8	117	164	68	133
1891–1922	52.9	110	−37	42.52	15.70	34.6	118	147	98	120

CLIMATOLOGICAL DATA FOR THE YEAR 1922.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).							Number rainy days.	Sky.			Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall.		Number clear days.	Number partly cloudy days.	Number cloudy days.	
PANHANDLE DIVISION.																				
Bayard	Grant	2,700	21	50.1	92	July 11†	−12	Jan. 17	21	42.83	5.76	Mar.†	1.30	Nov.	53.2	127	176	95	94	w.
Brandywine	Pendleton	......	7	53.4	94	July 12	−14	Feb. 17	7	28.53	3.75	May	0.45	Nov.	25.0	84	222*	31	112	s.
Burlington	Mineral	875	29	......	94	July 2	−11	Feb. 17	29	......	3.66	Dec.	......	......	......	......	......	......	......	w.
Harpers Ferry	Jefferson	244	......	......	......	......	......	......	34	30.43	4.66	June	0.51	Nov.	35.5	86	......	......	......	......
Martinsburg	Berkeley	435	31	......	97	July 12	......	......	31	......	5.19	July	......	......	......	......	......	......	......	......
Moorefield	Hardy	900	27	......	......	......	−11	Jan. 13	27	......	......	......	0.17	Nov.	......	......	......	......	......	......
Piedmont	Mineral	919	7	53.4	97	July 12	0	Jan. 25	7	28.19	4.55	Dec.	0.38	Nov.	25.5	97	......	......	......	nw.
Romney	Hampshire	824	26	......	97	July 12	− 5	Jan. 13	26	......	......	......	0.45	Nov.	......	......	......	......	......	......
Stony River Dam	Grant	......	......	......	......	......	......	......	2	39.71	5.19	Dec.	1.24	Nov.	58.7	111	72	81	212*	w.
Upper Tract	Pendleton	1,230	25	52.8	92	Sept. 9	− 4	Feb. 17	25	19.21	4.35	July	0.20	Nov.	29.0	61	......	......	......	w.
Averages and extremes	......	......	......	52.4	97	July 12	−14	Feb. 17	......	31.48	5.76	Mar.†	0.17	Nov.	37.8	94	157	69	139	w.
NORTHERN DIVISION.																				
Bens Run	Pleasants	622	22	55.8	95	Sept. 7	4	Feb. 17	22	40.28	7.11	Mar.	1.08	Nov.	30.0	112	225	61	79	......
Bruceton Mills	Preston	1,549	......	......	......	......	......	......	12	44.71	6.00	Mar.	1.70	Nov.	61.3	130	56	176	133	sw.
Buckhannon	Upshur	1,411	27	53.6	89	July 12	3	Feb. 17	32	44.18	6.04	June	1.34	Nov.	28.5	109	211	41	113	......
Cairo	Ritchie	680	23	......	......	......	2	Feb. 17	18	......	6.81	Mar.	1.14	Nov.	17.2	......	......	......	......	......
Cheat Bridge	Randolph	3,558	0	......	92	July 7	−15	Jan. 13	3	52.36	8.05	July	0.81	Sept.	......	162	181	40	144	......
Cortland	Tucker	3,300	......	......	......	......	......	......	7	......	......	......	0.55	Nov.	47.4	......	......	......	......	......
Creston	Wirt	701	22	56.3	95	June 17†	5	Feb. 17	22	48.63	7.51	Aug.	1.23	Nov.	9.8	122	162	33	170	sw.
Dam 10 Mon. R.	Marion	786	......	......	......	......	......	......	1	39.42	5.61	June	1.28	Nov.	27.3	127	......	......	......	s.
Dam 12 O. R.	Ohio	605	......	......	......	......	......	......	7	34.26	5.31	June	1.04	Nov.	......	124	......	......	......	......
Dam 13 O. R.	Ohio	557	......	......	......	......	......	......	7	35.64	5.41	Apr.	1.16	Nov.	......	122	......	......	......	......
Dam 15 Mon. R.	Monongalia	839	......	......	......	......	......	......	1	35.92	4.93	Mar.	1.04	Nov.	20.0	123	......	......	......	w.
Davis	Tucker	3,093	......	......	......	......	......	......	13	47.32	6.11	July	1.84	Nov.	56.5	139	......	......	......	w.
Elizabeth	Wirt	646	......	......	......	......	......	......	12	50.56	6.50	Aug.	1.11	Nov.	......	114	......	......	......	......
Elkins	Randolph	1,940	23	51.9	90	July 12	0	Jan. 13	23	44.48	7.40	June	1.20	Oct.	35.7	156	81	122	162	w.
Fairmont	Marion	883	18	53.4	93	Aug. 17	0	Feb. 17	31	40.67	5.86	Mar.	1.70	Oct.	25.8	122	232	33	100	w.
Glenville	Gilmer	738	30	57.0	98	July 12†	0	Jan. 2	36	52.02	7.95	June	1.39	Nov.	19.1	127	182	96	87	w.
Grafton	Taylor	1,000	30	......	......	......	− 2	Feb. 17	31	......	6.55	June	......	......	......	......	......	......	......	......
Lost Creek	Harrison	1,026	26	53.5	93	July 12	− 2	Feb. 17	27	47.14	7.25	June	1.23	Nov.	16.8	116	171	80	114	w.
Mannington	Marion	974	21	53.0	91	July 12	−10	Feb. 17	21	43.13	6.60	Mar.	1.27	Nov.	24.0	129	165	65	135	w.
Morgantown	Monongalia	1,250	31	55.8	94	July 12	5	Feb. 17	49	28.35	5.17	June	0.81	Nov.	22.2	71	......	......	......	sw.
Moundsville	Marshall	642	21	......	......	......	......	......	21	......	5.64	Sept.	0.65	Nov.	......	......	......	......	......	......
New Cumberland	Hancock	987	26	52.3	98	Aug. 17	3	Jan. 25†	26	28.87	3.84	Apr.	1.37	Nov.	17.8	119	179	58	128	s.
New Martinsville	Wetzel	634	30	55.4	97	July 11†	− 2	Feb. 17	31	39.00	7.12	Mar.	1.15	Nov.	......	99	208	54	103	s.
Parkersburg	Wood	638	35	55 9	94	Sept. 7	8	Jan. 25	35	45.15	7.44	Aug.	0.97	Nov.	9.3	137	135	81	149	se.
Parsons	Tucker	1,656	24	......	98	July 11†	− 7	Feb. 17	24	44.00	5.99	June	1.57	Nov.	......	......	......	......	......	......
Philippi	Barbour	1,149	27	54.4	95	July 23	0	Feb. 17	30	45.56	6.94	June	1.52	Nov.	17.8	124	153	56	156	w.
Pickens	Randolph	2,697	21	50.8	91	July 11†	− 7	Feb. 17	33	62.71	8.19	Mar.	2.15	Sept.	86.5	125	174	65	126	w.
Rowlesburg	Preston	1,375	......	......	......	......	......	......	38	42.13	6.56	Mar.	0.41	Sept.	......	122	......	......	......	w.
Saint Marys	Pleasants	577	......	......	......	......	......	......	14	42.61	6.01	June	0.97	Nov.	......	120	......	......	......	sw.
Smithfield	Wetzel	835	18	53.3	93	July 12	− 7	Feb. 17	18	50.73	6.36	Mar.	1.47	Nov.	26.9	136	210	77	78	sw.
Wellsburg	Brooke	1,225	23	53.0	97	July 1	0	Feb. 17	31	32.72	4.71	June	1.39	Feb.	10.8	93	......	......	......	w.
Weston	Lewis	1,026	28	55.7	93	July 12†	2	Feb. 17	34	43.03	7.13	June	0.75	Nov.	19.5	125	......	......	......	......
Wheeling	Ohio	645	37	54.2	100	Sept. 6†	0	Feb. 17	39	34.82	5.05	Mar.	1.09	Nov.	10.7	129	159	67	139	w.
Averages and extremes	......	......	......	54.2	100	Sept. 6†	−15	Jan. 13	......	42.77	8.19	Mar.	0.41	Sept.	27.9	123	170	71	124	w.
SOUTHERN DIVISION.																				
Bancroft	Putnam	574	20	55.1	94	June 16†	9	Feb. 17	20	38.39	5.85	Mar.	1.18	Nov.	17.4	155	148	32	185	se.
Beckley	Raleigh	2,440	23	51.8	84	June 17†	− 2	Jan. 13	23	45.38	7.08	Dec.	1.34	Feb.	24.4	97	148	76	141	sw.
Bluefield	Mercer	2,558	28	55.7	89	Apr. 15	8	Jan. 13†	28	46.74	7.38	June	0.93	Nov.	28.7	145	175	79	111*	......
Camden-on-Gauley	Webster	2,062	......	......	......	......	......	......	6	35.77	5.55	Aug.	0.80	Nov.	......	49	175	0	190	s.
Charleston	Kanawha	597	20	57.9	98	July 10	8	Feb. 17	38	46.67	6.87	Dec.	1.72	Nov.	4.0	123	141	28	196	w.
Clay	Clay	706	6	......	......	......	......	......	7	40.18	5.53	July	1.24	Nov.	17.9	122	......	......	......	......
Cuba	Jackson	650	21	......	93	July 13	7	Jan. 25†	21	......	......	......	......	......	......	......	......	......	......	......
Dam 19 O. R.	Wood	557	......	......	......	......	......	......	6	45.58	7.25	Aug.	1.17	Nov.	......	139	......	......	......	......
Dam 20 O. R.	Wood	551	......	......	......	......	......	......	5	43.87	6.10	Mar.	1.01	Nov.	......	142	......	......	......	......
Dam 22 O. R.	Jackson	538	......	......	......	......	......	......	7	37.54	5.45	Mar.	0.81	Nov.	......	85	......	......	......	......
Dam 26 O. R.	Mason	505	......	......	......	......	......	......	7	34.01	7.23	Mar.	1.12	Nov.	......	95	......	......	......	......
Gary	McDowell	1,426	5	55.4	93	June 29†	9	Jan. 14†	5	46.10	6.10	Dec.	1.41	Nov.	5.5	144	......	......	......	......
Green Sulphur Springs	Summers	1,600	27	......	......	......	1	Jan. 13	27	......	6.20	Dec.	1.03	Oct.	41.1	......	......	......	......	w.
Hinton	Summers	1,450	26	54.6	94	Sept. 8	7	Feb. 17†	34	43.24	6.36	June	0.64	Nov.	17.5	134	137	9	219	s.
Huntington	Cabell	538	27	56.2	94	June 17	12	Jan. 25†	28	38.53	6.98	Mar.	1.16	Nov.	5.9	122	153	43	169	w.
Kanawha Falls	Fayette	618	......	......	......	......	......	......	6	37.83	5.87	Dec.	0.39	Oct.	......	73	......	......	......	......
Kayford	Kanawha	1,335	......	......	......	......	......	......	6	51.82	7.27	Dec.	1.24	Nov.	......	130	......	......	......	......
Lewisburg	Greenbrier	2,200	23	52.7	91	July 11†	− 2	Jan. 13	31	42.28	6.04	Dec.	0.61	Nov.	34.5	107	161	94	110	nw
Marlinton	Pocahontas	2,131	24	47.0	88	July 11	−12	Jan. 13	24	49.88	6.57	Aug.	0.95	Sept.	34.0	131	72	202	91	sw.
Point Pleasant	Mason	553	30	56.9	97	June 17†	7	Jan. 25	33	42.97	6.97	Mar.	1.00	Nov.	T.	114	......	......	......	......
Raleigh	Raleigh	2,130	......	......	......	......	......	......	6	51.26	6.60	Dec.	1.20	Sept.	28.5	133	......	......	......	......
Robertsburg	Putnam	574	23	55.7	98	Aug. 18	9	Feb. 17	23	40.01	6.68	Mar.	0.98	Nov.	......	113	167	25	173	......
Ryan	Roane	700	20	54.4	94	June 17†	0	Jan. 2	20	37.45	5.62	Mar.	1.11	Nov.	24.0	129	151	88	126	......
Spencer	Roane	784	18	55.0	93	June 17	7	Jan. 26†	25	45.21	5.86	June	1.00	Sept.	14.0	108	99	152	111	......
Sutton	Braxton	839	19	53.6	95	June 30†	4	Feb. 17	19	46.18	6.83	Dec.	0.89	Sept.	27.0	101	235	3	127	......
Union	Monroe	2,250	19	54.6	92	June 26	− 3	Jan. 13	19	36.24	4.89	Dec.	1.19	Nov.	18.6	102	......	......	......	......
White Sulphur Springs	Greenbrier	1,940	13	52.6	91	July 5	0	Jan. 12	13	34.46	6.52	Dec.	0.52	Nov.	......	130	253	52	60	......
Williamson	Mingo	660	23	56.1	91	June 17	13	Jan. 14†	23	48.84	7.05	Dec.	1.20	Nov.	4.0	124	......	......	......	w.
Averages and extremes	......	......	......	54.4	98	July 10†	−12	Jan. 13	......	42.56	7.38	June	0.39	Oct.	19.3	117	158	63	144	w.
State averages and	extremes	......	......	54.1	100	Sept. 6†	−15	Jan. 13	......	41.57	8.19	Mar.	0.17	Nov.	25.8	117	164	68	133	w.

* 1 day interpolated from nearby stations.

† And other dates.

Monthly and Annual Mean Temperatures for the Year 1922, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November		December		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature	Departure	Temperature.	Departure.	Temperature.	Departure.
PANHANDLE DIVISION.																										
Bayard	26.5	−1.5	35.0	+7.6	41.2	+3.5	49.6	+2.9	59.6	+2.8	66.2	+2.9	68.8	+1.2	65.5	−0.5	62.0	+2.0	51.4^{a}	+2.6	41.0	+2.8	31.6	+6.1	50.1	+2.7
Brandywine	27.8	.....	39.0	.....	44.7	.....	52.7	.....	62.5	.....	70.1	.....	72.2	.....	68.8	.....	65.6	.....	51.1	.....	43.6	.....	39.0	.....	53.4	.....
Burlington	27.0	−3.7	36.4	+6.1	42.6	+1.4	52.8	+2.2	62.8	+1.3	70.0	+1.7	73.0	+0.4	69.2	−2.0	66.2	+2.0	56.2^{f}	+2.3	.....	.....	35.7^{a}	+3.5	.....	.....
Lowood	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.6	.....	.....	.....
Martinsburg	27.7	−2.8	35.8	+5.8	43.2	+1.9	54.0	+2.5	65.4	+2.3	75.0	+4.4	75.5	+0.2	71.4	−1.6	68.4	+2.3	57.2	+2.6	.....	.....	.....	.....	.....	.....
Moorefield	29.8	−2.1	40.8	+8.5	47.8	+3.9	55.4	+0.6	66.2^{m}	+2.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	44.8	+1.1	.....	.....	.....	.....
Piedmont	27.4	.....	36.0	.....	42.6	.....	53.0	.....	64.0	.....	71.2	.....	73.2	.....	70.8	.....	68.0	.....	55.6	.....	41.0	.....	31.5	.....	53.1	.....
Romney	27.0	−3.9	38.0	+5.8	41.6	+2.0	54.2	+2.6	64.6	+1.6	71.0	+1.1	73.2^{e}	−1.7	69.4	−3.5	67.2	+1.1	57.2	+2.0	47.4	+4.7	.....	.....	.....	.....
Upper Tract	29.4^{a}	−3.9	37.8^{a}	+5.6	43.1	+0.2	53.9^{c}	+2.9	62.1^{d}	+0.7	69.6^{a}	+1.7	71.7	−0.3	64.8^{f}	−6.2	65.4^{a}	−0.1	56.8^{e}	+1.3	45.2^{e}	+1.6	33.6^{i}	+0.1	52.8	+0.3
Wardensville	.....	.....	.....	.....	.....	.....	52.8^{a}	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45.0^{a}	.....	36.5	.....	.....	.....
NORTHERN DIVISION.																										
Bens Run	32.0	−0.1	39.6	+6.8	46.6	+3.4	56.0	+3.8	65.8	+2.6	72.6	+2.3	74.8	−0.1	71.6	−2.2	70.2	+2.5	57.9	+1.2	45.8	+2.5	36.6	+3.2	55.8	+2.2
Buckhannon	31.3	−0.4	40.8	+9.3	45.2	+3.6	53.6	+2.5	63.6	+1.7	70.0	+1.4	71.7	−0.3	68.0	−2.3	65.6	+1.6	53.4	0	42.5	+1.1	37.6	+1.6	53.6	+1.9
Cairo	30.8	−4.1	39.4	+6.9	46.8	+1.5	55.4	+0.6	64.7	+0.9	71.6	+1.1	.....	.....	70.2	−2.6	67.6	−0.3	51.6	−2.2	42.7	−1.1	35.6	+1.4	.....	.....
Cheat Bridge	22.7^{a}	.....	31.0^{a}	.....	36.4^{a}	.....	46.6^{a}	.....	57.0^{a}	.....	64.0^{a}	.....	65.4^{a}	.....	59.2^{a}	.....	55.4^{a}	.....	44.2^{a}	.....	.....	.....	.....	.....	.....	.....
Creston	32.8	−0.6	41.4	+8.6	48.2	+4.0	57.7	+4.7	66.0	+2.5	73.2	+2.6	74.9	+0.3	71.3	−2.1	69.5	+2.3	57.0	+1.2	45.2	+1.5	38.2	+1.3	56.3	+2.1
Elkins	29.3	+0.3	37.4	+5.9	43.6	+4.5	51.8	+3.1	61.4	+2.3	67.8	+1.2	70.4	−0.1	66.2	−2.2	64.5	+2.6	53.2	+1.8	41.8	+2.2	35.4	+2.9	51.9	+2.0
Fairmont	29.4	−3.3	36.6	+4.4	43.1	+1.4	52.9	+1.1	64.2	+1.8	70.8	+0.5	72.4	−1.8	69.4	−3.8	68.6	+2.0	55.5	0	43.2	+0.8	35.0	+2.8	53.4	+0.5
Glenville	32.4	−0.7	42.0	+9.3	48.8	+4.5	57.6	+4.2	67.5	+4.0	74.4	+3.6	76.5	+1.6	73.1	−0.8	71.4	+3.7	58.2	+2.2	45.5	+1.9	37.2	+2.2	57.0	+3.0
Grafton	29.6	−2.8	37.7	+6.1	45.2	+2.5	54.0	+2.7	63.0^{a}	+0.9	69.8^{a}	+0.6	72.6^{a}	−0.2	70.0	−1.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lost Creek	30.4	−2.3	39.8	+8.8	46.4	+3.7	53.8	+2.6	62.6	+1.5	69.6	+1.8	72.0	−0.2	67.9	−3.1	65.8	+0.9	54.2	−0.6	43.1	+0.9	36.4	+2.6	53.5	+1.4
Mannington	30.0	−1.2	37.8	+6.8	44.4	+1.5	53.5	+2.3	62.6	+1.6	69.2	+1.1	71.3	−0.7	68.0	−2.9	66.0	+1.4	54.0	−0.5	43.5	+2.2	36.1	+3.6	53.0	+1.3
Morgantown	31.2^{b}	−0.7	40.8	+9.5	48.0	+6.0	56.8^{a}	+5.6	66.6^{b}	+4.1	71.6	+2.5	73.6	+0.1	70.4	−1.9	69.2	+2.0	56.8	+1.3	46.2	+2.8	38.6^{c}	+5.1	55.8	+3.0
Moundsville	.....	.....	36.4	+4.8	41.8^{i}	−1.3	.....	.....	60.9^{d}	−2.3	.....	.....	.....	.....	66.0^{a}	−6.9	68.3^{a}	+1.4	55.4^{a}	−0.6	44.6^{e}	+1.4	36.4^{a}	+3.3	.....	.....
New Cumberland	27.2	−1.0	33.1	+5.4	39.5	−0.5	51.0	+1.7	63.6	+1.9	71.2	+3.3	73.6	+0.8	70.6	−0.3	67.7	+2.8	54.7	+0.2	42.8	+1.5	32.8	+2.0	52.3	+1.5
New Martinsville	32.4	−0.4	39.1	+6.9	45.6	+2.0	55.1	+2.1	65.6	+2.0	72.2	−0.8	74.2	−1.1	71.5	−2.6	69.7	+3.3	56.4	−0.7	45.4	+0.9	37.2	+2.4	55.4	+1.2
Parkersburg	31.8	−0.5	38.4	+4.6	46.7	+4.4	56.2	+3.1	66.0	+2.9	72.2	+0.8	75.3	+0.3	72.3	−1.0	70.4	+4.4	57.6	+3.1	46.0	+2.8	37.4	+2.3	55.9	+2.3
Parsons	27.7	−3.5	37.4	+7.7	43.3	+3.4	52.4	+3.7	62.2^{a}	+3.1	70.6^{c}	+4.5	73.4^{e}	+2.3	69.0	−0.2	.....	.....	52.8	−0.2	40.1^{a}	−0.8	31.4^{e}	+3.2	.....	.....
Philippi	30.6	−2.3	40.0	+8.8	45.9	+3.4	54.2	+3.0	64.0	+2.3	70.8	+2.4	72.1	−0.3	68.0	−3.7	67.4	+2.1	56.2	+0.7	45.6	+2.5	38.6	+5.3	54.4	+2.0
Pickens	27.3	−4.0	35.6	+4.0	42.6	+2.9	50.8^{a}	+2.5	61.0^{a}	+2.2	67.2	+2.1	68.9	+0.3	64.6^{a}	−2.2	64.1	+2.5	52.8	+0.4	40.1	−0.5	34.2	+2.1	50.8	+1.0
Smithfield	29.7	−0.9	37.5	+6.9	44.1	+2.5	53.6	+2.6	63.8	+2.8	69.7	+1.8	71.8	−0.3	68.4	−2.6	66.6	+2.1	54.8	+1.2	44.2	+3.1	35.0	+3.5	53.3	+1.9
Terra Alta	.....	.....	37.7^{c}	+9.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40.6	−0.9	31.8^{a}	+1.8	.....	.....
Wellsburg	28.2	−1.5	36.0	+8.5	42.6	+3.4	53.7	+4.7	63.8	+2.3	71.0	+3.4	73.0	+1.2	69.3	−1.1	66.6	+2.4	53.6	−0.5	44.2	+2.6	34.0	+3.0	53.0	+2.4
Weston	32.8	−0.6	41.7	+9.8	48.0	+1.2	56.2	+3.7	61.6	+1.5	70.8	+0.5	73.8	−0.5	69.6	−3.4	69.0	+2.2	56.8	+1.3	45.2	+1.9	39.4	+4.4	55.7	+2.1
Wheeling	29.4	−1.2	35.2	+4.4	42.8	+1.6	53.4^{a}	+1.3	65.2	+2.3	72.6	+1.7	75.1	+0.2	71.6	−1.8	70.8	+4.4	56.7	+1.1	43.8	+1.7	34.3	+2.4	54.2	+1.5
SOUTHERN DIVISION.																										
Bancroft	32.0	−2.4	39.3	+5.6	46.6	+2.3	56.4	+2.9	65.0	+1.1	73.0	+2.1	73.6	−1.2	69.5	−4.1	67.6	−0.7	56.6	−0.8	44.4	−0.1	37.5	+2.6	55.1	+0.6
Beckley	27.4	−5.8	36.4	+3.1	43.0	−0.4	52.1	+2.7	61.4	+1.2	67.3	+0.1	69.0	−2.3	63.5	−6.4	63.4	−0.1	54.3	−0.9	43.0	+0.2	40.6	+7.2	51.8	−0.1
Bluefield	34.1	−0.4	41.6^{a}	+7.7	48.3	+4.0	56.1	+2.9	63.8	+1.9	69.4	+0.6	71.2	−0.3	67.9	−3.0	67.3	+1.6	57.6	+1.6	47.8	+3.4	43.6	+8.4	55.7	+2.4
Charleston	34.4	−4.1	39.2	+0.8	48.2	−0.5	58.6	+2.0	65.0	+2.1	75.2	+2.1	78.4	+1.9	72.6	−3.0	72.5	+2.4	58.2	−0.9	49.6	+1.4	40.2	+0.5	57.9	+0.4
Cuba	31.8	−1.5	37.2^{j}	+4.4	48.0	+3.7	56.6	+3.9	65.8	+2.5	72.0	+2.9	72.9	−0.4	69.5	−2.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gary	34.4^{b}	.....	41.1	.....	47.9^{c}	.....	56.6^{i}	.....	64.3^{a}	.....	71.6	.....	73.4^{c}	.....	69.5^{a}	.....	67.6^{d}	.....	57.2^{d}	.....	43.9^{e}	.....	37.6^{e}	.....	55.4	.....
Green Sulphur Springs	32.3	−0.6	40.2	+7.8	47.2	+3.9	56.0	+5.2	63.3	+1.9	70.0	+1.5	73.2	+0.7	.....	.....	.....	.....	55.8	+1.2	45.6	+2.9	38.6	+3.1	.....	.....
Hinton	32.0	−2.2	39.0	+5.0	46.2^{a}	+2.0	56.1	+3.2	63.9	+0.1	70.6	+0.1	73.1	−1.0	69.2	−4.5	69.2	+1.6	57.6	+1.0	40.6	−3.4	38.2	+3.3	54.6	+0.4
Huntington	32.8	0	39.4	+6.8	46.8	+2.2	57.0	+3.0	66.6	+1.7	71.2	+1.6	75.9	−0.5	72.0	−2.8	70.0	+1.8	57.0	+0.8	45.2	+1.6	37.2	+2.8	56.2	+1.6
Lewisburg	29.3	−2.6	37.4	+5.1	44.6	+2.6	53.6	+2.5	61.6	+1.0	68.8	−1.6	71.7	+0.7	66.8	−3.1	65.2	+1.1	54.6	+1.0	41.6	+0.1	36.9	+4.7	52.7	+1.0
Marlinton	23.6	−4.6	31.8	+2.8	38.2	−0.4	46.4	−0.7	56.0	−2.0	63.4	−1.4	65.5	−3.1	60.9	−6.3	61.0	−0.4	48.4	−1.9	36.8	−1.0	31.8	+2.7	47.0	+1.4
Point Pleasant	33.6	0	41.2	+7.6	48.6	+3.2	58.4	+3.5	66.7	+1.5	74.3^{c}	+1.9	76.3	−0.1	74.0^{i}	−0.6	67.8	−1.4	57.9^{p}	+0.3	45.6	+0.6	38.0	+2.8	56.9	+1.6
Powellton	.....	.....	.....	.....	.....	.....	56.6^{k}	+2.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Robertsburg	31.7	−1.7	38.2	+5.3	46.7	+2.1	57.0	+4.1	65.7	+1.8	74.0	+2.7	75.0	+1.6	71.4	−3.0	70.4	+2.3	57.4	0	44.2	+1.0	36.8	+2.8	55.7	+1.6
Ryan	30.8	−2.5	40.0	+6.8	45.8	+2.9	55.5	+3.1	63.7	+1.5	70.8	+1.7	73.1	−0.2	69.4	−1.2	68.7	+2.4	55.6	+0.8	42.9	0	36.5	+2.6	54.4	+1.5
Spencer	31.6	−2.0	40.6	+6.8	47.4	+4.5	55.8	+3.3	65.2	+3.6	71.6	+1.7	73.6	0	69.0	−3.7	67.4	+1.5	56.4	+1.2	43.4	0	37.8	+3.3	55.0	+1.6
Sutton	31.4	−2.2	39.5	+5.0	45.4	−0.2	55.2	+2.7	62.6	+2.7	67.6	−5.2	71.5	−4.8	67.6	−8.2	66.6	−3.5	55.7	−2.8	43.0	−0.8	36.8	+1.8	53.6	−1.3
Union	32.8^{h}	+0.2	39.4^{d}	+6.3	47.7^{d}	+4.7	57.0^{f}	+6.4	63.0^{c}	+2.2	69.8^{d}	+2.8	72.4^{f}	+1.4	68.5^{b}	−2.1	66.6^{d}	+1.5	55.4^{e}	+1.3	43.2^{d}	+2.2	39.0^{f}	+7.1	54.6	−2.8
White Sulphur Springs	30.0	.....	37.8	.....	45.6	.....	50.4^{f}	.....	63.0	.....	70.2	.....	70.8	.....	67.1	.....	64.6	.....	53.2	.....	42.7	.....	36.4	.....	52.6	.....
Williamson	33.2	−2.7	40.5	+4.4	47.8	+1.0	57.1	+2.1	65.4	0	73.3	+1.3	74.3	−1.2	71.0	−3.9	69.0	−0.3	56.4	−2.1	45.0	−0.2	40.2	+3.3	56.1	+0.1

Reference letters indicate number of days missing; ^{a} one day, ^{b} two days, etc.

THE WEATHER BY MONTHS.

(Continued from page 49.)

Potatoes, oats, meadows, and pastures made excellent growth.

JUNE.—June was warm and wet, with the rainfall unfavorably distributed. Excessive rain fell in sections of Pocahontas and Wetzel Counties, and in localities of the west-central counties, causing floods in the smaller streams and much damage to crops. The streams were especially high in Jackson and Roane Counties on the 11th, causing considerable damage to roads and bridges. In most localities crops made good growth during the month.

JULY.—While the conditions were decidedly droughty in most localities of the northern and eastern counties during July, frequent rains in the central and southern counties delayed harvesting and caused damage to hay and shocked grains. The temperature was especially favorable for growth and comfort. At the close of the month corn was growing rapidly, oats were harvested, and haying well advanced.

AUGUST.—August was decidedly cool, the lowest temperature of August State record occurring at several stations on the 21st, when some damage resulted to buckwheat. Excessive rain fell over the central-western counties, causing considerable damage to corn, while droughty conditions continued over the eastern and northern counties. Most of the rainfall was received during the first and last decades.

SEPTEMBER.—September was exceptionally sunshiny and nearly continuously warm. Practically all the month's rainfall was received on the 2-3d, and a severe drought set in near the close of the first decade. Owing to the lateness of the season, however, not much damage resulted to crops, and the conditions were favorable for harvesting, thrashing, and the ripening of corn. There was no frost damage in the agricultural districts.

OCTOBER.—October was characterized by exceptionally pleasant and sunshiny weather after the first decade, but the conditions were especially droughty after the 15th. Many of the smaller streams became practically dry, causing a great loss of fish. The first general killing frost occurred on the 19th, although the temperature fell to the freezing point at a number of stations on

(Continued on page 52.)

Monthly and Annual Precipitation for the Year 1922, with Departures from Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
PANHANDLE DIVISION.																										
Bayard	4.81	-0.39	2.47	-0.92	5.76	+1.38	3.89	+0.04	3.28	-0.94	2.87	-2.03	4.18	-0.76	5.76	+1.15	2.14	-1.18	1.72	-1.70	1.30	-1.16	4.65	+0.75	42.83	-5.76
Brandywine	1.58	......	3.60	......	3.20	......	1.40	......	3.75	......	2.75	......	3.20	......	2.95	......	0.65	......	2.40	......	0.45	......	2.60	......	28.53	......
Burlington	2.00	-0.65	2.70	+0.31	3.47	+0.41	1.83	-1.00	2.65	-1.04	2.58	-1.39	1.33	-2.36	2.27	-1.53	1.50	-1.49	1.30	-1.97	......	......	3.66	+1.06	......	......
Harpers Ferry	1.98	-0.77	1.98	-0.51	3.49	+0.45	1.06	-2.00	3.86	+0.28	4.66	+0.84	3.07	-0.53	2.08	-1.74	2.98	+0.17	1.98	-0.96	0.51	-1.73	2.78	+0.16	30.43	-6.34
Inwood	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	1.66	......	......	......
Martinsburg	1.73	-0.87	2.21	-0.22	4.24	+1.02	1.17	-1.98	4.11	+0.42	4.08	-0.28	5.19	+1.33	2.31	-1.56	1.76	-1.05	2.35	-0.37	......	......	......	......	......	......
Moorefield	2.00	-0.55	3.82	+1.45	3.29	+0.62	1.20	-1.79	......	......	......	......	......	......	......	......	......	......	......	......	0.17	-1.44	......	......	......	......
Piedmont	2.04	......	2.37	......	3.60	......	1.95	......	3.23	......	1.88	......	1.66	......	2.02	......	1.06	......	3.45	......	0.38	......	4.55	......	28.19	......
Romney	2.97	+0.24	1.97	-0.29	3.95	+0.85	1.88	-1.14	3.66	+0.03	3.23	-0.89	2.67	-0.87	1.87	-1.09	1.03	-1.63	1.55	-0.95	0.45	-1.52	......	......	......	......
Stony River Dam	3.57	......	3.49	......	3.88	......	3.63	......	2.82	......	3.67	......	4.43	......	3.71	......	1.89	......	2.19	......	1.24	......	5.19	......	39.71	......
Upper Tract	1.39	-1.16	2.03	+0.34	1.40	-1.14	0.50	-1.97	1.55	-1.63	1.75	-2.44	4.35	+0.55	2.43	-1.32	0.10	-2.22	2.35	+0.15	0.20	-1.33	1.16	-1.05	19.21	-13.22
Wardensville	......	......	......	......	......	......	1.77	......	......	......	......	......	......	......	......	......	......	......	......	......	0.28	......	1.03	......	......	......
NORTHERN DIVISION.																										
Bens Run	2.61	-1.80	1.52	-1.67	7.11	+2.97	4.43	+0.35	4.28	-0.25	3.14	-1.38	4.23	-0.32	3.07	-1.17	2.46	+0.11	2.57	-0.54	1.08	-1.47	3.78	+0.02	40.28	-5.15
Bruceton Mills	4.38	......	2.36	......	6.00	......	3.24	......	2.69	......	5.44	......	5.17	......	3.08	......	1.97	......	2.86	......	1.70	......	5.82	......	44.71	......
Buckhannon	3.06	-1.45	4.41	+0.54	5.26	+1.85	3.49	-0.77	3.53	-1.07	6.04	+1.15	5.59	+0.25	2.05	-2.05	1.70	-1.82	2.29	-1.37	1.34	-2.12	5.42	-1.41	44.18	-8.27
Cairo	3.33	-1.22	2.40	-1.08	6.81	+2.29	3.79	+0.11	4.21	+0.69	5.46	+0.65	......	......	5.20	+1.58	2.46	-0.67	3.29	+0.21	1.14	-1.53	4.59	+0.83	......	......
Cheat Bridge	4.06	......	4.96	......	5.10	......	3.87	......	4.96	......	6.42	......	8.05	......	4.69	......	0.81	......	1.79	......	2.34	......	5.31	......	52.36	......
Cortland	3.36	-1.45	3.83	-0.06	4.62	+0.47	2.23	-1.29	2.40	-2.09	3.53	-1.26	......	......	......	......	......	......	......	......	0.55	-1.75	4.54	+1.03	......	......
Creston	2.71	-1.14	3.43	+0.51	5.82	+1.80	2.78	-1.23	4.39	+0.48	5.35	+1.08	5.95	+1.93	7.51	+4.06	1.52	-1.06	2.69	-0.32	1.23	-1.27	5.25	+1.92	48.63	+6.79
Dam 10, Mon. R.	2.86	......	1.95	......	5.45	......	2.21	......	2.64	......	5.61	......	5.03	......	3.94	......	1.90	......	2.62	......	1.28	......	3.93	......	39.42	......
Dam 12, O. R.	1.83	......	1.54	......	5.29	......	4.47	......	2.64	......	5.31	......	1.89	......	1.68	......	3.68	......	2.06	......	1.04	......	2.83	......	34.26	......
Dam 13, O. R.	1.73	......	1.34	......	5.31	......	5.41	......	2.85	......	4.45	......	3.83	......	1.20	......	4.46	......	1.78	......	1.16	......	2.12	......	35.64	......
Dam 15, Mon. R.	3.27	......	1.69	......	4.93	......	2.84	......	2.49	......	4.19	......	3.79	......	3.43	......	3.02	......	2.57	......	1.04	......	2.66	......	35.92	......
Davis	4.23	-1.59	5.57	+1.36	5.97	+1.66	3.76	-0.21	2.88	-1.27	3.35	-1.57	6.11	+0.55	3.50	-1.48	2.22	-1.55	2.09	-2.06	1.84	-1.13	5.80	+0.96	47.32	-6.33
Elizabeth	2.63	-1.99	2.33	-0.33	6.47	+2.39	3.56	-0.06	5.83	+2.14	5.82	+2.00	6.29	+2.00	6.50	+2.13	1.73	-0.96	3.46	-0.29	1.11	-1.36	4.83	+1.51	50.56	+7.18
Elkins	3.18	-0.16	4.26	+1.09	5.32	+1.25	3.77	+0.48	3.25	-0.73	7.40	+2.36	5.75	+1.11	2.96	-0.69	1.31	-1.56	1.20	-1.22	1.55	-1.31	4.53	+1.11	44.48	+1.73
Fairmont	2.72	-1.22	2.65	-0.36	5.86	+1.95	3.14	-0.34	2.52	-1.46	4.29	-0.20	4.29	-0.44	3.94	+0.40	3.60	+1.00	2.20	-0.54	1.70	-1.02	3.76	+0.40	40.67	-1.83
Glenville	3.75	-0.60	3.20	-1.53	5.62	+1.38	3.78	+0.04	4.32	+0.11	7.95	+3.48	6.73	+1.44	5.14	+1.23	1.65	-1.62	2.98	-0.07	1.39	-1.59	5.51	+1.82	52.02	+4.09
Grafton	2.73	-1.53	1.84	-1.46	6.03	+2.08	3.58	-0.19	2.65	-1.63	6.55	+2.03	3.01	-1.98	4.16	+0.24	......	......	......	......	......	......	......	......	......	......
Lost Creek	3.08	-0.98	2.98	-0.08	5.54	+1.45	3.58	+0.22	5.78	-1.49	7.25	+2.06	4.80	+0.02	3.17	-0.95	2.02	-0.76	2.64	-0.09	1.23	-1.27	5.07	+1.58	47.14	+2.69
Mannington	2.60	-2.01	1.79	-1.00	6.60	+2.85	3.34	-0.63	3.94	-0.11	4.38	+0.16	4.89	-0.08	2.84	-1.08	5.04	+1.87	2.97	+0.03	1.27	-1.23	3.47	-0.05	43.13	-1.28
Morgantown	1.54	-2.34	0.94	-2.17	2.51	-1.20	1.42	-1.93	1.80	-1.82	5.17	+0.63	4.37	-0.70	4.37	+0.17	0.87	-2.19	2.21	-0.94	0.81	-2.09	2.34	-0.78	28.35	-15.36
Moundsville	......	......	2.15	-0.13	5.30	+1.98	4.42	+1.30	3.11	-0.19	4.51	+1.03	......	......	1.59	-2.06	5.64	+3.13	2.40	-0.71	0.65	-1.10	1.70	-1.59	......	......
New Cumberland	1.60	-1.16	1.94	-0.33	3.39	+0.03	3.84	+0.48	3.33	+0.03	2.97	-1.70	1.84	-2.45	2.62	-1.46	2.50	-0.03	1.94	-1.05	1.37	-0.48	2.13	-0.50	28.87	-8.62
New Martinsville	1.55	-2.21	1.81	-1.17	7.12	+3.47	2.80	-0.79	3.80	+0.06	6.33	+2.24	3.30	-1.50	2.92	-0.58	2.80	+0.15	2.27	-0.61	1.15	-1.49	3.15	-0.41	39.00	-2.84
Parkersburg	1.91	-1.28	1.57	-1.67	6.06	+2.24	3.81	+0.90	4.09	+0.63	5.06	+0.41	3.65	-1.01	7.44	+3.91	3.73	+1.01	2.73	+0.29	0.97	-1.86	4.13	+1.36	45.15	+4.93
Parsons	3.45	-1.32	3.79	+0.37	5.67	+1.61	3.47	-0.38	2.56	-1.34	5.99	+0.75	4.90	-0.22	3.40	-0.39	2.50	-0.62	1.85	-1.03	1.57	-0.97	4.85	+1.06	44.60	-2.48
Philippi	3.20	-1.13	3.05	-0.32	5.61	+1.40	3.25	-0.68	4.33	+0.05	6.94	+2.42	5.68	-0.70	2.73	-1.32	3.03	-0.11	1.76	-1.12	1.52	-1.27	4.46	+0.63	45.56	-2.15
Pickens	4.68	-2.00	5.04	-0.03	8.19	+2.41	6.76	+1.72	5.19	-0.14	7.42	+1.31	6.62	+0.25	4.75	-0.36	2.15	-1.78	2.28	-1.79	2.49	-1.36	7.14	+1.94	62.71	+0.17
Rowlesburg	3.49	-1.01	3.39	-0.02	6.56	+2.26	1.80	+0.79	2.67	-1.69	4.00	-1.02	5.60	+0.58	2.96	-0.91	0.41	-2.66	2.11	-0.92	1.73	-1.35	4.41	+1.18	42.13	-4.77
St. Marys	2.54	-2.02	2.11	-1.09	5.44	+1.82	5.55	+1.60	2.13	-1.73	6.01	+2.24	3.29	-0.82	3.86	-0.90	3.41	+0.91	3.04	-0.36	0.97	-1.51	4.26	+0.76	42.61	-1.10
Smithfield	3.41	-1.42	2.30	-1.32	6.36	+2.39	4.11	+0.21	5.01	+0.83	6.34	+1.75	6.21	+0.82	4.76	+0.30	3.94	+0.75	3.37	-0.06	1.47	-1.50	3.45	-0.63	50.73	+2.12
Terra Alta	......	......	3.76	-0.01	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	1.81	-1.27	5.27	+0.11	......	......
Wellsburg	1.74	-1.70	1.39	-1.29	4.22	+1.00	2.94	-0.17	3.64	+0.16	4.71	+0.22	2.20	-2.39	3.42	-0.42	2.50	-0.30	2.36	-0.59	1.93	-0.22	1.67	-1.40	32.72	-7.10
Weston	3.61	-0.56	3.78	+0.04	4.97	+0.50	2.83	-1.22	3.22	-1.09	7.13	+2.58	4.95	-0.02	2.41	-1.52	1.08	-1.81	2.75	-0.36	0.75	-2.48	5.55	+1.85	43.03	-4.09
Wheeling	2.03	-1.12	1.54	-0.99	5.05	+1.99	4.77	+1.64	3.04	-0.42	4.16	+0.35	2.29	-2.31	1.64	-2.03	3.94	+1.44	2.46	-0.15	1.09	-1.34	2.81	-0.16	34.82	-3.10
SOUTHERN DIVISION.																										
Bancroft	2.95	-1.45	2.89	-0.02	5.85	+1.91	2.66	-1.17	3.40	-0.74	2.30	-2.33	3.42	-0.62	3.59	-0.83	1.80	-0.99	2.78	-0.40	1.18	-1.22	5.57	+2.22	38.39	-5.64
Beckley	2.66	-1.26	1.34	-1.72	3.24	-0.62	2.13	-1.81	2.87	-0.55	6.00	+1.57	6.12	+1.87	5.37	+2.31	3.85	+1.37	3.35	+0.55	1.37	-1.02	7.08	+3.98	45.38	+4.70
Bluefield	3.13	-0.09	4.23	+1.18	4.52	+0.86	3.19	-0.19	2.36	-1.28	7.38	+2.60	6.86	+2.39	1.91	-2.51	1.03	-1.63	4.81	+1.93	0.93	-1.35	6.39	+3.48	46.74	+5.39
Camden-on-Gauley	1.01	......	3.20	......	2.93	......	2.21	......	4.90	......	3.90	......	2.67	......	5.55	......	2.60	......	1.00	......	0.80	......	5.00	......	35.77	......
Charleston	2.96	-0.99	2.90	-0.68	4.93	+0.53	4.31	+0.58	3.48	-0.56	2.84	-1.76	4.87	+0.72	6.09	+1.73	2.40	-0.67	3.30	+0.49	1.72	-1.25	6.87	+3.55	46.67	+1.69
Clay	2.60	......	2.97	......	5.29	......	2.89	......	3.99	......	3.45	......	5.53	......	2.58	......	1.32	......	3.31	......	1.24	......	5.01	......	40.18	......
Cuba	1.49	-2.22	......	......	6.90	+3.22	1.15	-2.30	3.85	+0.48	4.45	+0.62	2.95	-1.08	1.55	+1.60	......	......	......	......	......	......	......	......	......	......
Dam 19 O. R.	2.40	......	1.69	......	6.50	......	4.39	......	4.12	......	3.40	......	4.96	......	7.25	......	2.18	......	3.37	......	1.17	......	4.15	......	45.58	......
Dam 20 O. R.	2.62	......	2.23	......	6.10	......	3.38	......	4.02	......	4.04	......	3.60	......	5.74	......	2.94	......	3.83	......	1.02	......	4.35	......	43.87	......
Dam 22 O. R.	2.18	......	2.42	......	5.45	......	2.20	......	2.70	......	5.25	......	3.90	......	3.85	......	1.42	......	2.66	......	0.81	......	4.70	......	37.54	......
Dam 26 O. R.	1.46	......	1.44	......	7.23	......	2.75	......	3.33	......	2.42	......	1.16	......	3.96	......	2.43	......	2.19	......	1.12	......	4.52	......	34.01	......
Evans	4.40	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Gary	3.26	......	4.72	......	5.65	......	3.36	......	4.63	......	4.85	......	4.67	......	2.30	......	1.77	......	3.38	......	1.41	......	6.10	......	46.10	......
Green Sulphur Springs	3.25	+0.17	4.35	+1.56	5.62	+1.55	3.48	+0.05	4.58	+0.92	4.21	+0.04	5.04	+1.20	......	......	......	......	1.03	-1.18	1.21	-0.89	6.20	+3.53	......	......
Hinton	3.34	+0.13	4.02	+0.97	5.80	+1.75	2.52	-0.76	3.68	-0.09	6.36	+2.13	4.40	+0.45	3.50	-0.36	1.26	-1.50	2.36	-0.20	0.64	-1.56	5.36	+2.56	43.24	+3.5
Huntington	2.16	-1.76	2.36	-0.77	6.98	+2.64	2.62	-1.10	3.38	-0.65	2.48	-1.78	3.91	-0.33	2.86	-0.85	2.14	-0.41	2.30	-0.18	1.16	-1.55	6.18	+2.79	38.53	-3.9
Kanawha Falls	2.87	......	1.72	......	4.04	......	3.67	......	3.59	......	4.01	......	5.42	......	4.48	......	1.12	......	0.39	......	0.65	......	5.87	......	37.83	......
Kayford	3.23	......	3.97	......	5.48	......	3.92	......	4.96	......	6.09	......	6.48	......	4.05	......	2.09	......	3.04	......	1.24	......	7.27	......	51.82	......
Lewisburg	2.69	-0.84	3.40	+0.44	5.51	+1.55	3.23	-0.21	4.28	+0.64	4.32	+0.08	3.01	-1.07	4.67	+1.11	1.78	-1.05	2.74	-0.11	0.61	-1.85	6.04	+3.20	42.28	+1.8
Logan	......	......	......	......	......	......	4.17	-0.63	4.82	+0.66	6.48	+1.07	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Marlinton	3.28	-0.79	5.49	+2.10	6.13	+1.77	3.33	-0.01	5.19	+1.18	4.66	-0.30	5.34	+0.01	6.57	+1.94	0.95	-2.16	1.67	-1.32	1.01	-1.73	6.26	+2.66	49.88	+3.3
Miller	3.31	......	3.50	......	4.67	......	3.97	......	4.43	......	4.70	......	7.01	......	6.42	......	2.29	......	2.24	......	1.00	......	......	......	......	......
Organ Cave	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	6.58	......	......	......
Point Pleasant	2.27	-1.63	2.89	-0.55	6.97	+2.34	2.88	-0.46	5.49	+1.63	2.68	-1.72	3.06	-1.04	3.90	+0.78	4.07	+1.74	2.94	+0.22	1.00	-1.75	4.82	+1.59	42.97	+1.1
Powellton	......	......	1.14	-1.91	4.85	+0.22	3.77	+0.10	5.15	+1.05	4.84	+0.25	6.64	+2.15	4.75	+1.10	2.11	-0.87	2.94	+0.55	......	......	3.61	+0.55	......	......
Raleigh	2.95	......	4.61	......	5.52	......	3.54	......	4.63	......	6.00	......	6.56	......	4.49	......	1.20	......	3.90	......	1.26	......	6.60	......	51.26	......
Renick	3.20	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Robertsburg	2.49	-1.51	2.95	-0.07	6.68	+2.60	2.38	-1.36	3.44	-0.16	2.57	-1.48	3.89	+0.15	5.56	+2.31	1.46	-0.85	2.26	-0.52	0.98	-1.39	5.35	+1.89	40.01	-0.3
Ryan	3.24	-0.98	2.64	-0.73	5.62	+1.30	2.36	-1.49	1.65	-2.05	2.55	-1.92	4.13	-0.46	4.32	+0.46	1.37	-1.42	3.01	-0.44	1.11	-1.37	5.45	+2.00	37.45	-7.1
Sharples	2.68	......	4.37	......	5.88	......	......	......	......	......	......	......	......	......	......	......	0.67	......	1.82	......	0.58	......	5.23	......	......	......
Spencer	3.01	-1.39	2.67	-0.37	5.37	+1.43	3.32	-0.31	3.22	-0.48	5.86	+1.51	5.81	+0.53	5.04	+1.48	1.00	-1.94	2.89	-0.32	1.58	-0.90	5.44	+2.07	45.21	+1.3
Sutton	2.92	-2.10	2.32	-0.98	4.90	+0.77	3.62	-0.57	4.95	+0.46	6.53	+1.50	4.73	-0.44	5.39	+1.65	0.89	-2.27	1.71	-1.38	1.39	-2.57	6.83	+2.89	46.18	-3.0
Union	3.21	-0.40	3.92	+1.21	4.07	+0.33	2.81	-0.08	3.56	+0.80	2.16	-2.16	3.38	-1.24	2.62	-1.23	1.97	-0.63	2.46	-0.38	1.19	-0.80	4.89	+2.37	36.24	-2.2
White Sulphur Springs	1.64	......	2.09	......	3.65	......	1.53	......	3.34	......	4.88	......	4.16	......	2.59	......	1.78	......	1.76	......	0.52	......	6.52	......	34.46	......
Williamson	2.81	-1.51	4.35	+1.70	5.66	+1.06	2.85	-1.04	5.54	+1.73	3.01	-1.62	6.82	+2.56	4.62	+1.08	2.02	-1.00	2.41	-0.35	1.20	-1.39	7.05	+3.21	48.84	+4.

THE WEATHER BY MONTHS.

(Continued from page 51.)

the 13th.

NOVEMBER.—The dry, moderately warm, and pleasant weather during September and October continued until the last decade in November. The temperature was below the normal during the last decade, except the 30th. Streams were low and stagnant and water was scarce for industrial purposes. The conditions were favorable for outdoor work.

DECEMBER.—December averaged warm and wet. The co periods were of short duration and a temperature of zero or belo was not recorded. The snowfall averaged about one-half t normal. The weather was especially favorable for outdoor wo and stock, but winter grains were somewhat injured by lack snow-cover during periods of freezing temperature.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXXI. Parkersburg, W. Va., January, 1923. No. 1.

MAR 17 1923

GENERAL SUMMARY.

January was warm, generally cloudy, and rainy, with an unusually light snowfall. The temperature was nearly continuously above the normal, moderately cold weather prevailing during only two or three short periods. A temperature of zero or below occurred at only one station. The precipitation was favorably distributed, but the snowfall in the western and southern counties was unimportant. The weather was especially favorable for outdoor work and the wintering of stock; but frequent rains and alternating periods of freezing and thawing weather were somewhat unfavorable for winter wheat, the ground being practically bare during the entire month in most of the agricultural districts. The rivers were not near flood stages, although the general rains of the 21st-22d and 27-28th caused moderate stages, especially in the smaller streams.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.11 and 30.12 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.74 inches on the 22d, and 29.57 inches on the 7th. Elkins, 30.70 inches on the 23d, and 29.60 inches on the 8th.

TEMPERATURE.

The monthly mean for the State, determined from 47 stations, was 35.2°. The departure from the normal for 40 stations having ten or more years of record was +3.0°. The temperature averaged considerably above the normal from the 1st to the 3d, 5th to the 9th, 13th to the 15th, 18th to the 21st, and from the 24th to the close of the month, with the highest reading occurring generally on the 18th and 21st. The averages were somewhat below the normal on the 10th, 16-17th, and 23d, with the lowest readings occurring at nearly all stations on the 17th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 74 per cent; 8 p. m., 76 per cent. The January averages for the same hours for the past 34 years are 83 and 77 per cent, respectively. Elkins, 8 a. m., 80 per cent; 8 p. m., 73 per cent. The January averages for Elkins for the same hours for the past 22 years are 85 and 78 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 70 stations, was 4.46 inches. The departure from the normal for 45 stations having ten or more years of record was +0.64 inch. The precipitation was heaviest over the central and southern counties, and lightest over the eastern panhandle section. The greater portion of the rainfall was received on the 1st, 3d, 8-9th, 14-15th, 21st-23d, 24th, and 27-28th, the greatest amounts being recorded on the 8th, 15th, 21st, 24th, and 28th. Light snow or snow flurries occurred in most sections on the 3d-4th, 8-10th, and 15-16th. On the 22d the snowfall over the eastern panhandle counties was moderately heavy, but over most other localities the amounts were light.

WIND.

The average wind velocity at Parkersburg was 7.2 miles per hour, or 0.6 mile [illegible] the January average for 33 years. The average at Elkins was 7.2 miles per hour, or 2.1 miles above the January average for 23 years. The highest velocity at Parkersburg was 32 miles per hour from the northwest on the 14th, and at Elkins 32 miles per hour from the west on the 11th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 24 per cent of the possible amount, or 4 per cent above the January average for 25 years. The average at Elkins was 26 per cent, or 3 per cent above the January average for 22 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bens Run, 31st; Bruceton Mills, 3d, 27th, 28th, 29th, and 31st; Charleston, 20th; Davis, 8th, 27th, and 31st; Elkins, 11th; Hinton, 11th; Lewisburg, 27th; Mannington, 31st; Pickens, 9th; Stony River Dam, 1st, 7th, 28th, and 30th; Wheeling, 2d and 20th.

Halos, lunar: Bayard, 3d; Burlington, 2d and 29th; Elkins, 2d and 29th; Pickens, 2d; Wellsburg, 29th.

Halos, solar: Bayard, 2d; Ryan, 29th.

Sleet: Bancroft, 23d; Bayard, 3d, 6th, 24th, and 31st; Davis 2d and 24th; Elkins, 23d and 24th; Gary, 24th; Inwood, 24th; Lewisburg, 23d; Marlinton, 14th, 20th, and 23d; Pickens, 24th; Ryan, 23d and 24th; Terra Alta, 24th, 25th, and 28th; Smithfield, 14th; Union, 23d and 24th.

Thunderstorms: Bancroft and Williamson, 7th; Bens Run, 8th.

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	31.7	.....	.....	3.64	.....	.....	.....	.....	.....	.....
1892	29.4	76	− 3	3.15	.....	.....	.....	.....	.....	.....
1893	22.6	71	−25	2.49	.....	.....	.....	7	7	17
1894	36.6	70	− 8	2.41	4.23	0.83	.....	12	8	11
1895	25.0	69	−21	4.48	6.53	2.37	.....	6	9	16
1896	32.4	72	− 6	1.57	2.72	0.67	1.8	9	14	8
1897	28.8	69	−18	1.70	2.85	0.90	4.0	10	7	14
1898	37.1	75	− 5	5.10	8.04	2.24	5.0	6	9	16
1899	32.1	70	−21	4.05	7.01	2.05	7.5	10	7	14
1900	34.5	74	−10	2.24	3.60	0.82	1.9	9	8	14
1901	33.6	69	− 4	2.41	3.87	1.18	7.3	8	7	16
1902	30.2	64	− 1	3.65	8.52	1.45	9.8	9	7	15
1903	31.8	79	− 7	3.21	6.45	1.55	8.6	8	7	16
1904	27.5	72	−18	2.72	5.82	1.24	10.8	9	8	14
1905	26.4	70	−14	3.15	7.43	1.48	22.0	7	7	17
1906	38.2	80	− 5	3.79	8.70	1.36	5.1	11	7	13
1907	38.7	76	−15	6.41	11.54	2.35	5.6	6	7	18
1908	31.0	62	−16	2.92	8.19	0.50	12.8	12	7	12
1909	36.8	76	− 5	3.41	6.59	1.50	8.7	8	6	17
1910	32.0	67	− 5	5.68	10.10	2.52	15.4	6	6	19
1911	37.3	71	− 5	5.86	12.63	3.11	7.0	8	6	17
1912	23.5	66	−34	2.60	6.93	1.10	13.6	7	8	16
1913	40.7	74	9	6.23	10.53	1.84	5.7	9	6	16
1914	35.8	83	−11	3.18	5.65	1.55	15.6	7	6	18
1915	31.7	68	− 8	4.85	11.38	2.00	10.4	8	6	17
1916	38.8	79	−10	4.86	8.52	1.70	6.1	11	7	13
1917	33.2	77	− 9	4.68	7.67	1.72	8.3	11	6	14
1918	20.7	55	−27	4.24	9.22	2.00	21.5	8	5	18
1919	34.1	69	−16	3.79	6.66	1.60	6.9	16	4	11
1920	28.7	77	−11	4.12	7.26	0.40	3.9	8	6	17
1921	35.5	71	− 2	2.76	5.94	0.10	4.3	11	6	14
1922	30.2	68	−15	2.75	4.81	1.01	10.8	12	6	13
1923	35.2	68	− 1	4.46	7.60	1.13	4.4	7	5	19
Means and extremes	32.2	83	−34	3.71	12.63	0.10	8.7	9	7	15

Climatological Data for January, 1923.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	22	31.2	+ 3.2	57	21	3	17	41	4.83	−0.37	0.70	13.0	16	5	5	21	w.	U. G. Clark.
Brandywine	Pendleton	......	7	34.0	......	60	21	4	11	39	2.55	......	0.70	11.0	7	16	0	15	s.	Elmer Keister.
Burlington	Mineral	875	29	33.4	+ 2.7	53	19	12	17	32	2.18	−0.47	0.80	13.2	7	9	9	13	e.	J. W. Vandiver.
Harpers Ferry	Jefferson	244	34	......	......	......	......	......	......	....	2.02	−0.73	0.69	7.0	9	......	......	......	......	J. C. Newcomer.
Inwood[a]	Berkeley	569	1	34.2	......	60	21	14	17	35	2.00	......	0.89	8.5	6	11	12	7	w.	H. W. Prettyman.
Moorefield	Hardy	900	27	......	......	......	......	......	......	....	....	......	......	......	......	......	......	......	......	M. S. Henkel.
Piedmont	Mineral	919	10	32.0	......	53	19	10	17	22	4.26	......	1.30	10.0	13	8	6	17	......	C. A. Suter, Jr.
Romney	Hampshire	824	25	......	......	......	......	......	......	....	....	......	......	......	......	......	......	......	......	Geo. E. Arnold.
Stony River Dam	Grant	......	3	......	......	......	......	......	......	....	2.45	......	0.66	14.0	11	3	5	23	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	24	31.8	− 1.5	60	2	9	17	41	1.13	−1.42	0.25	7.0	7	7	0	24	......	J. M. Mallow.
Wardensville	Hardy	1,200	5	33.6[b]	......	64[b]	21	11[b]	2†	37[b]	1.48	......	0.81	12.5	6	15[g]	6[f]	3[g]	w.	Luther F. Sutton.
Averages and	extremes	......	....	32.9	+ 1.5	64	21	3	17	41	2.54	−0.75	1.30	10.7	9	9	6	16	w.	
Northern Division.																				
Bens Run	Pleasants	622	21	37.0	+ 4.9	56	14	11	17	29	4.21	−0.20	0.60	1.0	13	13	2	16	......	J. D. Riggs.
Bruceton Mills	Preston	1,549	3	......	......	......	......	......	......	....	5.63	......	0.77	10.2	18	1	4	26	w.	W. M. Wolf.
Buckhannon	Upshur	1,411	26	36.0	+ 4.3	56	14†	6	17	33	6.11	+1.60	0.90	2.5	14	6	0	25	......	H. A. Darnall.
Cairo	Ritchie	680	24	35.8	+ 0.9	59	18	6	17	36	4.82	+0.27	1.25	T.	12	6	4	21	......	O. C. Hess.
Cheat Bridge	Randolph	3,558	5	......	......	......	......	− 1	17	....	5.51	......	0.88	22.0	19	11	4	16	......	H. F. Cromer.
Clarksburg	Harrison	1,015	1	35.0	......	58	18†	7	17	49	4.78	......	0.87	2.0	18	6	6	19	sw.	Clarksburg Water Board.
Cortland	Tucker	3,300	12	......	......	......	......	......	......	....	4.74	......	0.85	13.0	11	3	12	16	......	G. W. Harmon.
Creston	Wirt	701	21	38.3	+ 4.9	61	21	9	17	39	5.47	+1.62	0.90	T.	15	4	2	25	w.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	2	......	......	......	......	......	......	....	4.75	......	0.77	2.2	18	......	......	......	w.	Lockmaster.
Dam 12 O. R.	Ohio	614	7	......	......	......	......	......	......	....	3.13	......	0.64	......	14	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	605	7	......	......	......	......	......	......	....	3.29	......	0.62	......	18	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	2	......	......	......	......	......	......	....	4.06	......	0.64	3.0	18	......	......	......	w.	Lockmaster.
Davis	Tucker	3,093	14	......	......	......	......	......	......	....	6.19	+0.37	0.78	14.7	19	5	6	20	w.	Ross C. Male.
Elizabeth	Wirt	646	11	......	......	......	......	......	......	....	4.76	+0.14	1.20	......	16	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	22	34.0	+ 5.0	59	21	6	11	42	5.06	+1.72	1.56	7.1	24	1	6	24	w.	U. S. Weather Bureau.
Fairmont	Marion	883	17	34.0	+ 1.3	55	18†	8	17†	47	5.11	+1.17	0.78	2.0	19	9	4	18	w.	Creed E. Bolyard.
Glenville	Gilmer	738	29	37.1	+ 4.0	60	18†	6	17	41	6.04	+1.69	0.93	0.2	14	18	6	7	w.	Howard R. Brannon.
Grafton	Taylor	1,000	30	......	......	......	......	......	......	....	....	......	......	......	......	......	......	......	......	W. A. Williams.
Lost Creek	Harrison	1,026	25	35.6	+ 2.9	58	18†	4	17	44	5.46	+1.40	0.70	2.5	15	4	5	22	w.	Allen Smith.
Mannington	Marion	974	20	35.6	+ 4.4	57	18†	5	17	38	4.98	+0.37	0.67	2.9	19	4	4	23	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	30	35.3	+ 3.4	57	21	8	17	38	3.25	−0.62	0.60	0.8	10	2	9	20	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	20	......	......	......	......	......	......	....	....	......	......	......	......	......	......	......	......	G. W. Wright.
New Cumberland	Hancock	987	25	31.6	+ 3.4	55	18	11	17†	44	3.62	+0.86	0.95	1.0	14	4	0	27	n.	Geo. W. Derouin.
New Martinsville††	Wetzel	634	29	36.9	+ 4.1	60	1†	8	17	40	4.76	+1.00	0.90	......	12	5	6	20	n.	Wm. Ankrom.
Parkersburg	Wood	638	36	37.0	+ 5.7	60	18	12	17	33	4.14	+0.95	1.02	0.2	15	3	4	24	sw.	U. S. Weather Bureau.
Parsons	Tucker	1,656	23	33.2[d]	+ 2.0	55[d]	15†	9	11	40[d]	7.60	+2.83	1.75	......	11	5[e]	5[e]	16[e]	......	J. W. Swisher.
Philippi	Barbour	1,149	26	36.8	+ 3.9	59	21	2	17	41	4.54	+0.21	0.82	1.2	18	4	7	20	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	20	31.2	− 0.1	51	14†	1	17	39	6.51	−0.16	0.90	21.0	19	3	7	21	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	36	......	......	......	......	......	......	....	5.98	+1.48	1.22	3.0	14	......	......	......	w.	J. F. Pierce.
Saint Marys	Pleasants	577	14	......	......	......	......	......	......	....	4.36	−0.20	1.00	......	13	......	......	......	nw.	Wm. Hughes.
Smithfield	Wetzel	835	17	35.6	+ 5.0	58	18	6	17	47	5.94	+1.11	1.00	1.8	19	9	4	18	sw.	G. M. Whisler.
Terra Alta	Preston	2,612	22	28.6[a]	+ 0.8	53[a]	20	1[a]	17	46[b]	5.59	+0.29	1.28	14.0	24	2	7	22	w.	N. F. Kidd.
Wellsburg	Brooke	1,225	22	33.0	+ 3.3	56	1	12	17	34	3.41	−0.03	0.98	0.5	13	4	3	24	w.	George P. Pfister.
Weston	Lewis	1,026	27	35.9	+ 2.5	60	21	9	17	39	4.76	+0.59	0.85	2.0	12	3	6	22	......	Weston State Hospital.
Wheeling	Ohio	645	36	33.2	+ 2.6	57	18	10	17†	47	3.16	+0.01	0.57	2.4	19	6	6	19	w.	Miss M. B. Forsyth.
Averages and	extremes	......	....	34.8	+ 3.1	61	21	− 1	17	49	4.90	+0.73	1.75	4 9	16	6	5	20	w.	
Southern Division.																				
Bancroft	Putnam	574	19	37.6	+ 3.2	64	1	13	17	45	4.91	+0.51	0.87	0.9	16	3	3	25	nw.	E. H. Marrow.
Beckley	Raleigh	2,440	23	36.6	+ 3.4	52	2†	11	17	24	4.18	+0.26	0.99	2.4	8	7	7	17	w.	E. E. Phipps.
Bluefield	Mercer	2,558	28	39.6	+ 5.1	63	21†	12	17	36	4.42	+1.20	0.85	5.0	14	9	10	12	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	8	......	......	......	......	......	......	....	3.80	......	1.60	T.	5	0	0	31	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	20	40.6	+ 2.1	61	28	10	17	37	7.02	+3.07	1.10	T.	15	10	2	19	w.	C. V. Lewis.
Clay	Clay	706	7	......	......	......	......	......	......	....	4.64	......	0.94	T.	16	......	......	......	......	Mark King.
Cuba	Jackson	650	21	......	......	......	......	......	......	....	....	......	......	......	......	......	......	......	......	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	7	......	......	......	......	......	......	....	4.23	......	0.62	0.2	17	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	7	......	......	......	......	......	......	....	4.86	......	0.85	......	19	......	......	......	......	Lockmaster.
Dam 22 O. R.	Jackson	538	8	......	......	......	......	......	......	....	5.34	......	1.00	......	11	......	......	......	sw.	Lockmaster.
Dam 26 O. R.	Mason	505	7	......	......	......	......	......	......	....	4.55	......	0.90	......	11	......	......	......	......	U. S. Engineer Office.
Gary	McDowell	1,426	7	34.2[i]	......	64[h]	21	14[h]	17†	36[d]	4.53	......	1.07	T.	13	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	27	36.2	+ 3.3	59	21	10	11	37	6.14	+3.06	1.62	3.0	15	3	2	26	nw.	W. H. Gwinn.
Hinton	Summers	1,450	26	36.8	+ 2.6	62	21	17	17	40	3.57	+0.36	0.62	3.0	14	6	1	24	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	29	37.5[f]	+ 4.7	58[f]	20	20	17†	33[f]	5.00	+1.08	1.82	0.4	12	3	5	23	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	4	......	......	......	......	......	......	....	2.90	......	0.90	T.	8	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	7	......	......	......	......	......	......	....	4.99	......	0.96	0.2	15	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	23	34.4	+ 2.5	60	21	8	17	35	3.55	+0.02	0.85	1.5	11	8	9	14	s.	Geo. T. Argabate.
Marlinton	Pocahontas	2,131	24	28.6	+ 0.4	46	18†	4	11†	32	4.64	+0.57	1.20	9.5	14	1	15	15	sw.	S. L. Brown.
Organ Cave	Greenbrier	......	1	......	......	......	......	......	......	....	....	......	......	......	......	......	......	......	......	D. C. Humphreys.
Point Pleasant	Mason	553	30	37.6	+ 4.0	59	1	14	17	30	4.66	+0.76	1.02	T.	16	6	4	21	......	W. D. Holmes.
Powellton	Fayette	933	27	40.4[j]	+ 3.6	64[j]	21	15[j]	18	44[k]	4.87	+0.92	......	0.6	17	7[k]	0[k]	13[k]	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	7	......	......	......	......	......	......	....	2.40	......	0.50	2.0	7	......	......	......	......	Raleigh Coal & Coke Co.
Robertsburg	Putnam	574	23	36.5	+ 3.1	68	7	14	17†	46	4.98	+0.98	1.03	......	11	8	0	23	......	M. Frazier.
Ryan	Roane	700	20	36.5	+ 3.2	66	18	1	17	44	5.20	+0.98	0.80	2.1	17	5	6	20	......	Wm. E. Ryan.
Sharples	Logan	......	3	......	......	......	......	......	......	....	4.15	......	0.73	T.	8	......	......	......	......	C. E. Rippetoe.
Spencer	Roane	784	19	36.6	+ 3.0	59	18	8	17	40	4.53	+0.13	0.76	T.	12	1	8	22	......	A. M. McKown.
Sutton	Braxton	839	17	38.4	+ 4.8	58	21†	12	11	40	5.95	+0.93	0.87	2.0	15	9	0	22	......	C. B. Eakle.
Union	Monroe	2,250	19	34.9[d]	+ 2.3	62[d]	21	10[d]	17	36[c]	2.85	−0.76	0.77	2.7	12	10[c]	4[c]	14[c]	......	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	13	33.3	......	63	20	9	16	42	4.82	......	1.39	6.2	15	15	3	13	......	J. M. Ayres.
Williamson	Mingo	660	23	39.8	+ 3.9	68	18	20	17†	48	4.56	+0.24	0.74	0.3	13	14	2	15	w.	J. F. Keyser.
Averages and	extremes	......	....	36.6	+ 3.2	68	7†	1	17	48	4.56	+0.84	1.82	1.7	13	7	4	20	w.	
State averages and	extremes	......	....	35.2	+ 3.0	68	7†	− 1	17	49	4.46	+0.64	1.82	4.4	14	7	5	19	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, [a], [b], [c] appearing in the table indicate number of days missing; for example, [b] represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for January, 1923.

Stations.	Drainage-basin.	Day of month.																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac	.54	T.	.09	T.	.15	T.		.31	.28	.29	T.	T.	T.	.27	.30	.41	.11			.22	.17	.19		.68	T.		T.	.10	T.		.12	4.23
Brandywine	do	.60		.15					.25						T.		.20				.05		T.		.70				.60				2.55
Burlington	do			.10					.39	T.					.25						.16	T.			.80			.39	.06				2.15
Harpers Ferry ‖	do				.17	T.	T.		.55	.05						.05						.07	.13		.30	.39			.31				2.02
Inwood	do	.45		.15	.03				.43												.05				.89								2.00
Moorefield	do																																
Piedmont	do	.67		.05		T.	.07		.37	T.	.19		T.		.20		.05				.32	.19	.02		1.30			.27	.56	T.			4.26
Romney	do																																
Stony River Dam ‖	do				.04	.04	.09		.27		.09	.09										.32			.45	.18			.66	.22			2.45
Upper Tract	do				.10		T.		.18		.18					.09	.18				T.						T.	.15	.25				1.13
Wardensville ‖	do	.12		.10	T.	T.			.27		T.				T.	T.	.04				T.	.14			.81			T.	T.				1.48
Northern Division.																																	
Bens Run	Ohio	.40					.07		.50	.11	.09				.36						.32	.50	.60		.25			.51	.46			.10	4.27
Bruceton Mills ‖	Monongahela	.77		.12	T.	.04	T.	T.	.41	.43	.18		.14		.50	.02	.18	.18			.33	.37	.30		.33	T.	T.	.50	.43			.40	5.63
Buckhannon	do	.85		.20	T.		.03		.80	.40	.15				.38	T.	.20				.35	.40	.35		.90		T.	.70	.40				6.11
Cairo	Little Kanawha	.56			T.				.48	.12	T.				.53	T.	T.			T.	.37	1.25	.05		.02		.23	.20	.48			.53	4.82
Cheat Bridge ‖	Monongahela	.85		.01	.18			.05	.18	.09	.45	.18			.31	.31	.12	.20		.08			.41		.88	.06		.29	.74			.12	5.51
Clarksburg	do	.58		.02	.01	T.	.02		.43	.32	.10	.01				.57	.02	.02		.01		.50	.87		.43	.11		.35	.41			T.	4.78
Cortland ‖	do										.18				.50	.18	.27				.45		.32	.36		.18		.65	.80			.85	4.74
Creston ‖	Little Kanawha	.50		.05	.02	T.			.50	.23	.05				.05	.40	T.	T.				.90	.90		.70	.11		.41	.60			.05	5.47
Dam 10, Mon. R. ‖	Monongahela	.77			.05	.02			.36	.14	.35	.02				.77	.03	.04		.02		.44	.74		.24	.13		.12	.48	.03			4.75
Dam 12, O. R. ‖	Ohio	.30		.01		T.	.03	.05	.55	.05	.15					.30	.02					.64	.35		.12	.08			.48				3.13
Dam 13, O. R. ‖	do	.37	.02	.01			.08		.62	.08	.05	.01				.35	.01					.60	.33		.07	.09	.01		.56	.02		.01	3.29
Dam 15, Mon. R. ‖	Monongahela	.58		.02	.18	T.	.02		.12	.11	.30				.01	.62	.02	.04				.54	.64		.11	.09		.22	.41			.03	4.06
Davis	do	.70	.05		.11	.09	T.		T.	.31	.45	.09	T.			.78	.18	.18		.54		.41	.43		.49	.13	.33	.17	.53	.22			6.19
Elizabeth ‖	Little Kanawha	.57		.02		.02			.28	.18	.03					.39	.01	.01			1.20	.61			.49	.03		.41	.48			.03	4.76
Elkins ***	Monongahela	.52		.11	.03	.02	.01	.12	.05	.43	.11		T.		.34	.12	.10	.02	.04		.35	.36	.01	.36	.24	.01	.10	.44	.41			.76	5.06
Fairmont ‖	do	.78		.04	.10	.04	T.	T.	.48	.20	.23	.10	.05	T.		.70	.02	.10		T.		.50	.70		.30	.13	T.	.25	.35	T.		.04	5.11
Glenville ‖	Little Kanawha	.50		.10	.08				.55	.37	T.					.68	T.	.06				.78	.90		.68	.23		.10	.93	T.		.08	6.04
Grafton ‖	Monongahela																																
Lost Creek	do	.70		.03	T.		T.		.60	.38	.06				.35	.12	.07	T.			.42	.60	.55		.62	.05	T.	.49	.42			T.	5.46
Mannington	do	.64		.03	T.	.02	T.		.49	.42	.11	.01			.52	.20	.03	.01		T.	.38	.67	.30		.33	.04		.33	.41			.04	4.98
Morgantown	do	.60		T.						T.	.25				.45	.20	.04				.20	.60	.32		.18	T.	T.	T.	.41			T.	3.25
Moundsville ‖	Ohio																																
New Cumberland ‖	do	.24				T.	.05	.03	.40	.05	.07	T.			.18	.58		.02				.63	.16		.14	.12			.95				3.62
New Martinsville	do	.40					.10		.60	.10	T.				.50	T.	T.				.35	.90	.20	T.	.35			.46	.46			.34	4.76
Parkersburg ***	Ohio	.21		T.	.02		T.	.52	.04	.04	T.			T.	.44	.01	T.		T.		.31	.80		.06	.26		.08	.47	.26			.62	4.14
Parsons	Monongahela	.80							.60		1.50				*	*	1.00					.50			.50		.25	1.75				.70	7.60
Philippi	do	.82			T.	.04	.03		.11	.48	.09	T.			.37	.15	.02			.04	.04	.43	.35		.56	T.	.04	.51	.43			.03	4.54
Pickens	do			.17	.09	T.			.27	.32	.27				.40	.75	.27	.18		.56	.42	.30	.12		.43	.27	.22	.17	.90			.40	6.51
Rowlesburg ‖	do	1.22			.10				.55	.45	.43	.06				.85	.15	.12				.52	.44		.25				.74			.10	5.98
Saint Marys ‖	Ohio	.47		.03					.55	.10	T.	T.			.05	.38						1.00	.65		.23	.15		.23	.50			.02	4.36
Smithfield ‖	Fishing Creek	.82		.06	.02	.01			.47	.28	.30	.01				.78	.02	.03				1.00	.45		.33	.10		.52	.39	.32		.03	5.94
Terra Alta	Monongahela	1.28	.04	.01	.08	.08	.09		.16	.37	.23	.02		.02	.02	.47	.04	.33		.03		.43	.62		.21	.19		.15	.57	.12		.03	5.59
Wellsburg	Ohio	.27		.01		T.	.10		.52	.05	T.		T.		.36	.04	T.	T.			.12	.75			.16		.05	.15	.83				3.41
Weston	Monongahela	.63			.10		.05		.51	.45	.09											.58	.82		.85	.17			.47			.04	4.76
Wheeling ‖	Ohio	.30		.01		T.	.06	.03	.57	.05	.07	.04			.02	.35	.02	.01				.57	.33		.12	.09		.01	.50	.01		T.	3.16
Southern Division.																																	
Bancroft ‖	Great Kanawha	.45		.05	.02		.01		.49	.15					.04	.38		.01				.65	.87		.55	.10		.54	.54			.06	4.91
Beckley	do			.20				.72							.40		.10							.84	.09		.84					.99	4.18
Bluefield	do	.30		.18					.37	.17					.36		.27		.08	.22			.35		.18	.85		.30	.50			.29	4.42
Camden-on-Gauley ‖	do	1.00				T.				.80	T.						T.	T.			.20		T.					1.60	.20				3.80
Charleston ‖	do	.48			.15				.62	.27	.15					.40		T.				.52	.90	.04	1.10	.40	.14	.80	.90	T.		.15	7.02
Clay	do	.10			.34				.50	.15	.11					.14	T.	.02		.08		.18	.60		.70	.20		.51	.94	.04		.03	4.64
Cuba	Sand Creek																																
Dam 19 O. R. ‖	Ohio	.40		.02	T.	.02	.02		.62	.02	.08					.55	.01	.01		T.		.58	.52		.43	.04		.30	.60			.01	4.23
Dam 20 O. R. ‖	do	.45		.02	.01	.02	.02		.70	.02	.07				.03	.58	.05	.03				.85	.68		.34	.06		.36	.55			.02	4.86
Dam 22 O. R. ‖	do			1.00					.45	.04	.42					.35						.75	.95		.50	.08		.35	.45				5.34
Dam 26 O. R. ‖	do	.27							.65	.06						.40						.90	.80		.40	.10		.40	.52			.05	4.55
Gary	Big Sandy	.75		.03	.28				.65	.06	.10					.24	T.	T.		.04			.50		T.			1.07	.45	.10		.26	4.53
Green Sulpr. Spgs.	do	.87		.46				T.	.55	.34	.09	.11	.19		.12	.18					.40	T.	.16		.18			.61	1.62			.26	6.14
Hinton ‖	do	.57		T.	.16				.36	T.	.10		.04		T.	.12	T.	.06		.02		.40	.06		.62			.42	.54	T.		.10	3.57
Huntington ‖	Ohio	.32		T.	T.		T.		.50	.08					.02	.38		T.			T.	.86	.96		.58	.04		.66	.54			.06	5.00
Kanawha Falls ‖	Great Kanawha				.28				.40	.09	.18					.27						T.	.90			.18		.60	T.				2.90
Kayford ‖	do	.62		.04	.29	T.			.36		.21	T.				.36	.03	.02				.26	.55		.53	.19		.49	.96			.08	4.99
Lewisburg	do	.85		.15				T.	.37	.04	T.				.09	.04	T.	T.			.41		T.	T.	.52			.34	.63			.11	3.55
Logan	Guyandotte																																
Marlinton	Great Kanawha	.70		.09	T.		T.	.22	.10	T.	T.				.58	.12	.20	T.			.36	.12		.03	.65			.05	1.20			.22	4.64
Organ Cave	do																																
Point Pleasant	Ohio	.24		.02	T.				.71	.06	.06				.34	.04		T.			.40	1.02	.20		.35	.05	.02	.48	.43			.24	4.66
Powellton	Great Kanawha	.58		.23						.51	.02		.03	*	*	.24	T.	.02			.25	*	*	*	*	1.50		.63	.86				4.87
Raleigh ‖	do	.50														.30	.20	.20				.45	.25				.50						2.40
Robertsburg ‖	do	.44							.45	.12	.04					.42						.90	1.03		.42	.07		.46	.63				4.98
Ryan	do	.50		.04	T.				.56	.15	.10				.32	.04	T.	.04			.50	.64	.32	.01	.80		.09	.46	.44			.19	5.20
Sharples ‖	Coal River							.26		.41	T.						T.					.70	.47	.58	.32				.73	.68			4.15
Spencer ‖	Little Kanawha	.48		.05	T.	T.	T.		.41	.11	T.					.40		T.		T.		.26	.76		.68	.38		.42	.50			.08	4.53
Sutton	Great Kanawha	.76		.22	T.		T.	T.	.53	.30	T.				.36	T.	.09	.09			.53	.17	.60	T.	.87	T.	.18	.44	.66			.15	5.95
Union	do	.77	.10	.18					.47	.07							.09	.10			.40		.15	T.	.04			.40				.08	2.85
White Sulpr. Spgs. ‖	do			1.17	.08			.40	.06	.16	.02				.25	.12	.08				.45	.08		.42				1.39			.04	.10	4.82
Williamson ‖	Big Sandy	.44		T.	.25				.34	.10					T.	.28		.03				.11	.74		.60	.12		.49	.64			.12	4.56

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for January, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	49	49	47	37	34	43	40	39	37	30	42	43	30	55	46	29	22	51	50	49	57	45	28	33	35	42	40	44	36	41	50	41.1
	Minimum	26	18	25	24	23	14	28	25	25	21	5	28	19	20	28	18	3	10	27	20	35	22	10	21	26	12	32	31	25	20	22	21.4
Brandywine	Maximum	42	45	50	47	46	52	49	42	45	32	39	42	40	52	45	32	30	47	52	45	60	55	50	38	47	50	46	50	45	45	48	45.4
	Minimum	30	15	25	27	22	21	24	26	27	25	4	17	16	22	32	22	7	22	23	22	35	31	14	20	25	11	33	33	21	25	24	22.6
Burlington	Maximum	47	47	44	39	44	46	46	45	41	39	36	45	40	40	43	37	28	40	53	45	41	42	34	32	40	48	46	46	43	44	36	41.8
	Minimum	33	20	27	32	29	23	30	25	28	29	15	25	26	13	33	25	12	18	32	22	29	30	15	23	27	16	33	32	33	22	22	25.1
Inwood	Maximum	47	46	43	37	46	43	39	43	42	40	35	46	38	48	45	....	49	44	54	45	60	47	34	32	40	42	39	43	48	38	33	42.9
	Minimum	36	22	28	32	26	25	27	22	30	31	15	25	27	29	21	....	14	16	32	24	34	32	16	22	28	19	31	32	33	21	19	25.6
Moorfield	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Piedmont	Maximum	44	43	38	39	40	45	36	37	34	30	34	44	34	39	43	34	22	41	53	38	41	43	33	30	39	40	41	43	42	38	34	38.5
	Minimum	33	28	29	28	27	25	28	25	29	25	14	29	24	25	33	20	10	19	31	25	32	27	16	21	28	24	32	33	31	21	22	25.6
Romney	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Upper Tract	Maximum	54	60	59	58	49	46	47	48	47	44	40	39	39	38	35	35	35	35	39	44	38	36	36	33	36	35	34	40	42	43	44	42.2
	Minimum	16	19	28	28	22	21	24	28	27	24	20	14	12	15	32	15	9	12	15	20	32	32	28	20	15	15	13	30	30	22	22	21.3
Northern Division.																																	
Bens Run	Maximum	52	50	40	35	44	47	53	48	45	35	45	51	40	56	53	36	30	38	52	50	52	52	34	38	39	43	44	51	42	50	50	45.0
	Minimum	32	22	31	30	31	30	45	35	33	29	16	29	25	30	34	28	11	23	26	27	29	28	19	31	32	30	37	37	30	29	31	29.0
Buckhannon	Maximum	51	54	45	32	40	50	45	43	42	33	49	41	36	56	50	33	24	36	56	52	53	43	38	41	40	38	46	48	41	49	54	43.8
	Minimum	31	21	31	29	30	27	35	32	30	17	33	27	27	27	32	24	6	22	33	26	40	25	17	33	32	31	32	34	31	27	32	28.2
Cairo	Maximum	48	50	44	38	41	48	51	48	43	35	41	51	37	40	52	37	28	59	57	44	58	35	35	39	39	45	43	50	45	48	52	44.5
	Minimum	32	18	28	30	38	26	29	36	33	28	12	32	15	28	28	27	6	23	22	23	34	26	18	31	32	27	38	35	29	28	29	27.1
Clarksburg	Maximum	35	55	41	38	43	50	54	42	42	28	53	36	53	56	38	31	47	58	45	58	54	34	39	40	33	44	50	48	48	47	52	44.9
	Minimum	28	20	21	30	29	26	29	26	33	27	13	15	25	23	34	29	7	9	24	23	28	27	18	19	32	28	31	37	30	27	27	25.0
Creston	Maximum	55	55	49	37	46	50	56	53	42	35	52	54	41	56	52	37	30	60	58	48	61	45	35	40	39	46	47	53	44	49	53	47.7
	Minimum	32	19	31	31	32	35	29	36	32	28	13	35	11	35	36	27	9	24	24	25	43	28	20	32	32	28	39	37	32	31	31	28.9
Elkins	Maximum	48	55	42	33	41	48	47	44	41	25	48	49	37	58	38	29	20	56	46	50	59	36	35	39	33	41	44	48	38	49	56	43.1
	Minimum	26	18	30	26	27	24	29	31	25	21	6	24	22	28	24	18	7	17	26	24	36	25	16	31	24	23	36	32	30	26	31	24.8
Fairmont§	Maximum	37	50	42	34	39	48	50	42	42	28	49	34	50	54	34	28	43	55	45	55	50	37	37	39	34	41	48	45	43	45	50	42.8
	Minimum	31	24	23	28	28	28	28	27	33	27	14	17	25	25	33	28	8	8	25	27	28	26	17	17	31	28	30	34	31	25	24	25.1
Glenville	Maximum	55	59	40	36	50	40	57	54	44	34	53	54	45	49	52	28	28	60	60	50	59	50	35	42	40	42	46	51	46	50	55	47.2
	Minimum	31	18	28	30	31	25	27	36	28	27	13	29	14	26	33	26	6	22	23	23	47	28	19	30	31	26	38	36	28	28	30	27.0
Grafton§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lost Creek	Maximum	54	55	44	35	43	50	55	53	41	32	51	51	38	57	49	32	27	58	55	49	58	44	34	39	37	44	43	49	43	47	52	45.8
	Minimum	30	15	25	27	28	21	26	34	30	25	7	32	21	25	30	24	4	21	20	21	44	24	17	30	30	24	35	35	28	25	26	25.3
Mannington	Maximum	53	51	40	36	40	47	50	46	43	33	45	51	36	54	50	35	25	57	56	47	57	45	32	39	38	42	41	49	41	47	50	44.4
	Minimum	31	19	27	29	30	24	28	34	33	27	7	31	26	26	34	24	5	20	22	23	45	23	18	32	31	28	36	37	32	24	28	26.9
Morgantown	Maximum	55	52	46	35	38	47	44	46	42	33	48	51	34	54	49	32	22	56	54	50	57	38	30	37	37	41	41	48	41	45	50	43.6
	Minimum	30	24	34	27	28	26	27	33	31	26	16	28	24	29	31	20	8	18	27	33	36	22	15	29	30	28	34	35	30	22	35	27.0
New Cumberland§	Maximum	33	46	41	35	35	34	41	41	41	39	45	35	36	49	37	29	44	55	39	52	42	33	34	36	33	37	37	40	37	42	45	39.5
	Minimum	32	20	22	27	27	27	22	26	33	28	14	15	25	26	34	28	11	11	24	23	27	24	12	13	31	28	30	31	28	20	20	23.8
New Martinsville	Maximum	60	52	41	47	43	53	48	49	45	40	47	47	40	58	56	40	28	60	60	52	60	44	35	42	46	42	45	51	44	51	50	47.6
	Minimum	29	19	28	28	29	26	27	33	32	26	13	28	25	27	32	23	8	20	24	24	35	23	17	28	30	28	34	35	29	25	28	26.2
Parkersburg	Maximum	49	52	46	34	44	48	52	47	44	32	52	49	39	55	40	33	28	60	46	53	57	36	35	39	36	44	49	50	42	48	54	44.9
	Minimum	28	26	33	31	32	30	30	36	32	24	19	27	22	35	33	17	12	28	30	31	33	24	21	33	31	30	38	34	30	31	37	29.0
Parsons	Maximum	53	48	36	37	39	43	41	42	43	31	45	....	....	48	55	31	23	53	....	45	47	46	36	41	31	41	....	48	40	48	55	42.4
	Minimum	29	16	21	21	20	25	30	31	28	23	9	....	....	26	30	20	18	13	....	26	27	25	13	28	27	27	....	30	29	21	32	23.9
Philippi	Maximum	54	55	49	34	40	48	50	48	48	42	47	52	35	58	49	33	25	57	56	51	59	54	52	57	55	43	46	50	40	49	52	48.0
	Minimum	28	22	31	25	27	27	28	24	30	22	12	31	21	26	30	21	2	16	26	27	43	23	14	32	27	25	36	33	25	24	37	25.6
Pickens	Maximum	50	50	37	29	35	43	43	40	40	26	44	41	35	51	45	28	28	42	47	47	45	45	35	40	33	40	45	46	40	42	51	40.7
	Minimum	21	18	23	21	27	30	30	22	22	18	5	23	15	25	25	15	1	23	22	32	34	18	14	18	21	15	33	28	24	22	26	21.6
Terra Alta	Maximum	37	50	38	30	34	41	33	35	35	21	43	30	43	50	28	22	41	49	39	53	48	29	25	34	32	34	43	42	35	38	....	37.1
	Minimum	23	20	22	22	22	17	27	25	27	21	12	13	18	18	27	21	1	3	25	20	29	20	7	11	21	21	31	30	25	...	20	20.0
Wellsburg	Maximum	56	45	45	36	37	35	42	40	43	35	39	39	35	48	49	35	23	55	55	44	54	35	34	35	35	37	37	41	37	41	45	40.9
	Minimum	31	19	19	29	28	20	25	25	34	25	15	30	25	24	34	23	12	21	24	24	34	21	15	16	31	29	34	35	30	21	28	25.2
Weston	Maximum	54	38	55	42	40	50	45	55	42	43	30	54	37	54	58	37	30	47	59	48	60	53	36	37	40	35	45	50	49	43	47	45.6
	Minimum	35	22	23	31	29	35	22	31	32	27	11	15	22	24	35	29	9	10	26	26	28	30	19	21	32	28	32	39	31	29	30	26.2
Wheeling§	Maximum	36	50	42	37	37	40	44	42	42	30	47	35	52	54	38	32	46	57	47	52	42	38	35	39	34	40	45	41	43	50	49	42.5
	Minimum	31	21	22	28	27	27	25	29	32	27	15	15	25	24	28	28	10	10	23	22	28	20	11	13	30	29	32	35	29	24	24	24.0
Southern Division.																																	
Bluefield	Maximum	55	58	52	39	54	58	59	56	50	34	55	53	50	51	59	44	36	53	53	48	63	63	52	37	38	52	49	51	52	54	56	51.1
	Minimum	22	22	31	27	32	38	32	30	29	29	22	39	24	25	30	24	12	27	32	34	28	29	22	21	28	20	39	31	26	28	34	28.0
Charleston	Maximum	57	58	59	52	58	57	60	57	52	46	51	58	57	59	52	45	42	52	58	57	52	51	56	48	49	48	50	61	55	53	52	53.6
	Minimum	20	22	25	24	31	32	31	30	31	27	20	23	29	35	37	32	10	15	32	30	31	30	27	25	20	28	33	32	30	30	32	27.5
Gary§	Maximum	43	40	37	29	41	....	43	43	42	29	43	41	60	60	37	30	25	35	35	....	64	33	35	34	32	43	48	46	47	45	51	41.1
	Minimum	25	23	24	29	29	27	....	29	32	29	20	22	24	24	37	30	14	14	25	29	....	32	27	31	32	25	26	42	28	28	39	27.4
Green Sulphur Spgs.	Maximum	48	50	40	36	52	53	54	42	40	32	34	50	50	55	50	36	35	57	50	40	59	54	30	37	40	53	40	52	50	47	43	45.5
	Minimum	28	18	35	28	30	24	30	36	26	25	10	30	18	30	33	28	13	20	27	26	37	30	20	25	20	25	36	37	25	32	36	27.0
Hinton §	Maximum	46	52	38	38	57	56	47	42	43	38	50	52	48	55	38	36	33	58	48	38	62	47	31	39	35	58	42	55	51	46	58	46.4
	Minimum	35	24	24	30	30	27	29	30	28	28	18	20	24	23	33	29	17	18	27	29	32	34	23	26	28	23	24	37	29	29	36	27.2
Huntington §	Maximum	....	....	42	35	50	50	....	45	44	....	....	....	54	54	38	32	49	49	46	58	50	37	34	40	38	43	49	49	38	50	55	45.3
	Minimum	33	25	25	32	32	32	31	30	35	30	21	24	21	21	38	32	20	20	33	32	35	30	25	24	34	32	35	43	30	30	36	29.7
Lewisburg	Maximum	43	48	40	31	49	51	45	41	40	31	43	46	42	50	49	32	25	51	48	37	60	54	31	37	34	49	44	50	47	43	43	43.1
	Minimum	32	17	29	26	29	21	30	32	26	23	12	31	19	29	31	25	8	16	28	25	33	29	18	21	28	16	35	35	26	31	32	25.6
Marlinton	Maximum	38	40	32	28	34	42	44	38	36	22	36	40	36	42	44	26	20	46	46	30	41	40	38	36	32	40	34	42	40	38	40	36.9
	Minimum	24	12	24	24	26	22	24	26	22	14	4	24	16	16	24	14	4	14	24	20	30	22	14	20	16	10	30	32	22	26	30	20.3
Point Pleasant	Maximum	59	51	51	38	43	42	51	52	42	35	52	52	41	50	50	42	32	55	55	49	50	40	35	39	40	43	46	46	42	47	54	45.9
	Minimum	32	21	34	32	30	28	29	37	25	27	18	34	17	33	36	29	14	27	25	27	40	27	20	32	32	29	38	38	26	33	36	29.2
Powellton	Maximum	55	50	....	44	49	54	....	54	47	45	54	56	....	....	60	54	38	59	59	51	64	....	....	....	....	51	51	52	47	....	....	52.1
	Minimum	24	23	....	31	34	31	....	40	30	29	30	28	....	....	21	32	18	15	25	30	....	....	....	....	24	29	40	40	30	....	....	28.8
Robertsburg§	Maximum	45	50	66	40	50	50	68	45	45	35	58	43	35	57	45	35	47	50	50	57	50	37	37	40	37	45	50	50	43	48	58	47.3
	Minimum	32	20	20	28	28	30	28	30	33	28	16	20	16	15	30	28	14	14	25	25	25	28	20	23	32	29	32	40	27	26	35	25.7
Ryan	Maximum	50	57	46	35	47	48	56	53	42	34	54	52	43	58	52	36	35	66	55	49	58	42	34	38	36	45	46	49	40	48	56	47.1
	Minimum	30	15	28	28	28	22	35	36	30	25	10	29	11	30	33	28	1	23	21	22	42	25	19	27	29	24	36	36	23	28	29	25.9
Spencer §	Maximum	37	53	40	38	46	49	53	41	42	30	53	39	54	57	38	38	48	59	46	49	49	37	32	36	37	44	50	50	43	46	53	44.7
	Minimum	32	19	37	30	32	26	29	31	36	27	14	30	15	31	35	30	8	25	27	34	27	27	22	31	31	28	37	40	26	33	36	28.6
Union	Maximum	47	45	41	38	48	53	....	52	42	35	49	50	45	....	54	34	32	52	52	46	62	....	36	35	33	51	52	....	52	46	43	45.4
	Minimum	17	19	30	25	28	23	....	27	26	23	13	38	21	....	27	25	10	17	27	26	....	30	19	22	29	18	31	....	23	33	33	24.4
White Sulphur Spgs§	Maximum	51	37	38	51	54	45	42	42	29	48	42	43	55	35	33	27	54	50	58	63	39	28	39	36	52	42	54	49	44	55	51	44.7
	Minimum	16	12	14	27	21	26	33	20	24	10	12	20	21	22	25	9	12	24	23	30	32	18	22	27	15	19	35	23	23	33	32	21.9
Williamson§	Maximum	39	48	40	40	50	52	52	44	44	38	57	45	50	58	40	40	40	68	47	58	58	38	38	40	38	54	50	50	48	50	55	47.4
	Minimum	30	26	27	32	30	32	32	32	42	30	28	28	30	36	38	32	20	20	36	36	40	34	29	30	35	30	30	45	32	32	40	32.1

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXXI. PARKERSBURG, W. VA., FEBRUARY, 1923. No. 2.

GENERAL SUMMARY.

The temperature for February was considerably below the normal and the precipitation was somewhat in excess, and the month was characterized by nearly continuously cool weather after the 3d and by much cloudiness. The snowfall, however, was slightly below the February average and the ground was practically bare in the agricultural districts most of the month, the conditions being generally unfavorable for winter grains, which were only in fair condition at the close of the month. The rivers were at low or moderate stages, and boating was impeded on the Ohio River by light to moderately heavy running ice from the 17th to the 24th.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.22 and 30.20 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.70 inches on the 15th, and 29.67 inches on the 3d. Elkins, 30.59 inches on the 24th, and 29.64 inches on the 13th.

TEMPERATURE.

The monthly mean for the State, determined from 48 stations, was 30.4°. The departure from the normal for 41 stations having ten or more years of record was −1.5°. The month opened warm and the temperature was also considerably above the normal on the 8-9th, 13th, and 25-26th, with the highest readings occurring at practically all stations on the 13th. The cold periods were from the 4th to the 7th, and the 14th to the 25th, with the lowest temperatures occurring generally on the 18th and 24th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 80 per cent; 8 p. m., 70 per cent. The February averages for the same hours for the past 34 years are 82 and 76 per cent, respectively. Elkins, 8 a. m., 84 per cent; 8 p. m., 82 per cent. The February averages for Elkins for the same hours for the past 22 years are 84 and 74 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 69 stations, was 3.68 inches. The departure from the normal for 46 stations having ten or more years of record was +0.70 inch. The precipitation was heaviest over the central counties and lightest over the eastern panhandle section. Most of the precipitation was received from the 1st to the 3d and on the 10-11th, 12-13th, and 26-27th, but light precipitation also occurred in most localities on the 6-7th, 17-18th, 20th, and 23d. The greatest amounts were measured on the 1st and 13th. Light to moderate snow was received in most sections on the 6-7th, 10-11th, 17-18th, 19-20th, and 22d-23d. The snowfall was heaviest on the 10th and during the night of the 19-20th.

WIND.

The average wind velocity at Parkersburg was 7.4 miles per hour, or 0.1 mile above the February average for 33 years. The average at Elkins was 7.4 miles per hour, or 1.7 miles above the February average for 24 years. The highest velocity at Parkersburg was 38 miles per hour from the northwest on the 14th, and at Elkins 40 miles per hour from the west on the 14th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 34 per cent of the possible amount, or 2 per cent below the February average for 25 years. The average at Elkins was 29 per cent, or 6 per cent below the February average for 23 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bancroft, 27th; Bayard, 1st, 2d, 26th, 27th, and 28th; Buckhannon, 27th; Charleston, 9th; Davis, 2d, 27th, and 28th; Hinton, 27th; Lewisburg, 26th and 27th; New Cumberland, 1st, 2d, and 27th; Philippi, 27th and 28th; Pickens, 27th and 28th; Romney, 13th and 27th; Terra Alta, 1st, 2d, 25th, 26th, 27th, and 28th; Wellsburg, 1st; Wheeling, 12th, 21st, and 24th.

Halo, lunar: Bayard, 1st.

Halo, solar: Ryan, 19th.

Sleet: Bancroft, 10th; Bayard, 7th; Beckley, 5th; Marlinton, 12th; Stony River Dam, 3d and 5th; Terra Alta, 6th, 13th, 24th, and 28th; Union, 6th.

Thunderstorm: Ryan, 2d.

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	38.1	......	......	5.39						
1892	37.1	72	−12	2.30	......	......	......	......	......	......
1893	35.0	71	− 6	4.81	6.70	1.65	......	......	......	......
1894	33.4	74	− 5	3.99	7.48	2.05	......	......	......	......
1895	22.8	79	−17	1.27	2.44	0.61	......	9	7	12
1896	33.4	62	− 5	3.31	6.23	1.50	......	10	9	9
1897	36.8	70	3	5.95	8.18	3.00	......	7	8	14
1898	32.7	74	−13	1.81	3.38	0.64	......	7	7	14
1899	26.1	69	−35	4.32	6.43	2.25	......	10	8	10
1900	30.7	83	−11	3.94	5.62	2.31	19.0	7	5	16
1901	27.1	62	− 6	0.86	1.66	0.10	10.1	5	10	13
1902	26.7	68	−14	3.20	5.65	1.33	4.1	8	8	12
1903	35.3	74	−19	5.99	9.59	2.58	8.1	6	7	15
1904	29.3	80	−13	2.37	4.55	0.52	8.6	10	6	12
1905	25.6	56	−22	2.34	4.65	0.80	8.1	12	9	8
1906	32.4	79	−11	1.60	3.34	0.46	8.1	8	6	14
1907	31.1	68	−23	2.55	4.83	0.67	8.1	15	6	7
1908	30.9	72	−10	3.72	6.26	1.77	11.1	9	8	11
1909	40.4	80	− 5	4.16	7.68	1.44	15.8	7	8	14
1910	31.5	72	−11	3.18	6.56	0.98	3.4	7	8	13
1911	38.7	76	− 6	2.03	3.92	0.40	13.5	9	8	11
1912	27.3	70	−17	2.45	5.08	0.72	4.8	8	8	12
1913	32.6	80	− 4	2.27	6.15	0.21	6.4	10	8	11
1914	28.4	70	−22	3.64	6.96	1.63	4.7	13	6	9
1915	38.4	72	− 2	3.07	6.33	0.90	19.7	9	7	12
1916	31.4	72	−12	4.30	9.19	1.79	3.6	10	5	13
1917	31.0	80	−14	3.29	7.73	1.26	13.2	8	6	15
1918	35.4	81	−19	3.12	6.60	0.45	10.1	9	7	12
1919	35.2	72	− 2	1.85	3.93	0.35	3.8	11	6	11
1920	31.3	69	− 4	2.71	5.49	1.49	3.5	11	5	12
1921	37.4	79	−10	2.61	4.90	1.10	9.3	7	5	17
1922	38.2	77	−14	2.89	5.57	0.94	10.8	8	5	15
1923	30.4	70	−20	3.68	7.38	0.75	6.3	8	7	13
Means and extremes	32.5	83	−35	3.18	9.59	0.10	8.9	9	7	12

Climatological Data for February, 1923.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	22	27.1	− 0.3	61	13	− 5	24	42	5.46	+2.07	1.27	19.5	17	9	8	11	w.	U. G. Clark.
Brandywine	Pendleton	....	7	30.8	....	63	2†	− 4	24	37	0.90	....	0.40	2.5	4	11	0	17	s.	Elmer Keister.
Burlington	Mineral	875	29	31.8	+ 1.5	63	13†	4	24	39	2.16	−0.23	0.84	6.5	8	11	10	7	e.	Mary Vandiver.
Harpers Ferry	Jefferson	244	34	....	....	....	....	....	....	....	2.19	−0.30	1.08	5.0	9	....	....	....	....	J. C. Newcomer.
Inwood	Berkeley	569	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	H. W. Prettyman.
Moorefield	Hardy	900	27	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	M. S. Henkel.
Piedmont	Mineral	919	10	30.2	....	66	13	3	18	45	4.64	....	1.31	....	10	12	8	8	se.	C. A. Suter, Jr.
Romney	Hampshire	824	25	....	....	....	....	3[a]	24	....	....	....	....	4.8	....	11[a]	10[a]	6[a]	w.	Geo. E. Arnold.
Stony River Dam	Grant	....	3	....	....	....	....	....	....	....	4.28	....	1.55	14.0	12	4	3	21	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	24	27.6	− 4.6	60	13†	3	24	45	0.75	−0.94	0.40	....	3	10	5	13	....	J. M. Mallow.
Wardensville	Hardy	1,200	5	29.8[a]	....	67[a]	13†	2[a]	24	37[a]	0.81	....	0.35	1.0	4	16	3	9	s.	Luther F. Sutton.
Averages and	extremes	....	....	29.6	− 1.1	67	13†	− 5	24	45	2.65	+0.15	1.55	7.6	8	11	6	11	w.	
Northern Division.																				
Bens Run	Pleasants	622	21	31.8	0	60	13	0	18	35	3.34	+0.15	0.95	9.5	10	11	9	8	....	J. D. Riggs.
Bruceton Mills	Preston	1,549	3	....	....	....	....	....	....	....	3.10	....	0.72	16.2	16	2	9	17	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	26	31.6	+ 0.1	64	13	0	18†	40	5.10	+1.23	1.50	12.2	14	8	1	19	....	H. A. Darnall.
Cairo	Ritchie	680	24	31.0	− 1.5	62	13	− 5	18	39	3.21	−0.27	0.95	5.5	11	3	7	18	....	O. C. Hess.
Cheat Bridge	Randolph	3,558	5	23.6[a]	....	57[a]	13	−20	24	58[a]	4.60	....	1.15	12.5	17	8	3	17	....	H. F. Cromer.
Clarksburg	Harrison	1,015	1	29.2	....	62	13	0	16	42	3.44	....	0.91	7.5	14	8	6	14	w.	Clarksburg Water Board.
Cortland††	Tucker	3,300	12	....	....	....	....	....	....	....	3.92	....	1.61	17.0	9	2	18	8	....	G. W. Harmon.
Creston	Wirt	701	21	32.8	0	65	13	− 1	18	40	4.13	+1.24	1.10	4.5	12	3	1	24	w.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	2	....	....	....	....	....	....	....	3.09	....	0.87	5.2	15	....	....	....	w.	Lockmaster.
Dam 12 O. R.	Ohio	614	7	....	....	....	....	....	....	....	1.67	....	0.60	....	12	....	....	....	....	Lockmaster.
Dam 13 O. R.	Ohio	605	7	....	....	....	....	....	....	....	1.88	....	0.55	....	13	....	....	....	....	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	2	....	....	....	....	....	....	....	2.90	....	0.86	12.0	13	....	....	....	w.	Lockmaster.
Davis	Tucker	3,093	14	....	....	....	....	....	....	....	6.75	+2.57	1.75	22.5	19	5	6	17	w.	Ross C. Male.
Elizabeth	Wirt	646	11	....	....	....	....	....	....	....	3.49	+0.83	1.11	....	11	....	....	....	....	E. D. Ball.
Elkins	Randolph	1,947	22	29.2	− 2.3	65	13	− 7	24	48	3.72	+0.55	0.89	9.6	15	2	6	20	w.	U. S. Weather Bureau.
Fairmont	Marion	883	17	27.7	− 4.5	60	13	0	18	41	3.92	+0.91	1.05	11.6	16	15	0	13	w.	Creed E. Bolyard.
Glenville	Gilmer	738	29	33.3	+ 0.6	68	13	− 2	18	40	4.66	+0.93	1.18	7.0	11	5	11	12	w.	Howard R. Brannon.
Grafton	Taylor	1,000	30	31.8	+ 0.2	68	13†	− 7	24	43	3.78	+0.48	1.53	4.0	9	2	14	12	sw.	W. A. Williams.
Lost Creek	Harrison	1,026	25	30.8	− 0.2	65	13	− 6	18	40	4.68	+1.62	1.20	7.5	15	6	7	15	w.	Allen Smith.
Mannington	Marion	974	20	30.3	− 0.7	59	13†	− 3	18	37	3.18	+0.39	0.88	6.6	19	4	6	18	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	30	29.7	− 1.6	59	3†	1	18	35	3.19	+0.08	1.10	14.0	13	2	9	17	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	20	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	G. W. Wright.
New Cumberland	Hancock	987	25	24.2	− 3.5	55	2†	− 1	18	40	2.21	−0.16	0.64	12.0	11	6	4	18	s.	Geo. W. Derouin.
New Martinsville[c]	Wetzel	634	29	31.4	− 0.8	62	13†	1	18†	42	2.41	−0.57	0.65	6.0	10	7	3	13	s.	Wm. Ankrom.
Parkersburg	Wood	638	36	31.2	− 2.8	62	13	2	18	33	2.32	−0.92	0.60	6.0	13	4	7	17	nw.	U. S. Weather Bureau.
Parsons	Tucker	1,656	23	27.6[a]	− 2.1	64	13	−14[a]	24	53[a]	3.76	+0.34	1.80	12.0	11	4	6	18	....	J. W. Swisher.
Philippi	Barbour	1,149	26	31.4[b]	+ 0.2	65	13	− 3[b]	24	38[b]	4.22	+0.85	1.23	9.0	14	4	4	20	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	20	27.5	− 4.1	61	13	− 5	18	41	7.38	+2.31	1.96	31.0	17	4	3	21	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	36	....	....	....	....	....	....	....	4.51	+1.10	1.50	....	10	....	....	....	w.	J. F. Pierce.
Saint Marys	Pleasants	577	14	....	....	....	....	....	....	....	3.42	+0.22	0.80	10.2	12	....	....	....	nw.	Wm. Hughes.
Smithfield	Wetzel	835	17	29.6	− 1.0	60	13	0	24	44	3.76	+0.14	1.00	10.8	17	10	9	9	ne.	G. M. Whisler.
Terra Alta	Preston	2,612	22	22.0[a]	− 5.8	59[a]	12	− 6	17†	46[a]	3.99	+0.22	1.22	13.7	22	0	8	20	w.	J. J. Shanahan.
Wellsburg	Brooke	1,225	22	28.0	+ 0.5	55	3	− 2	24	37	2.13	−0.55	0.70	8.3	9	9	2	17	....	George F. Pfister.
Weston	Lewis	1,026	27	33.4	+ 1.5	66	13	1	18	54	4.92	+1.18	1.62	7.5	11	11	7	10	....	Weston State Hospital.
Wheeling	Ohio	645	36	27.0	− 3.8	60	13	0	18	50	1.74	−0.79	0.56	6.9	12	7	6	15	nw.	Miss M. B. Forsyth.
Averages and	extremes	....	....	29.4	− 1.4	68	13†	−20	24	58	3.65	+0.54	1.96	10.4	14	6	6	16	w.	
Southern Division.																				
Bancroft	Putnam	574	19	31.4	− 2.3	69	13	5	18	41	4.47	+1.56	1.10	4.2	15	7	0	21	nw.	E. H. Marrow.
Beckley	Raleigh	2,440	23	29.6	− 3.7	62	13	− 2	19	29	3.68	+0.62	1.50	5.0	8	8	6	14	sw.	E. E. Phipps.
Bluefield	Mercer	2,558	28	36.0	+ 2.1	68	13	3	18	39	5.56	+2.51	1.70	5.5	12	9	6	13	....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	8	....	....	....	....	....	....	....	3.30	....	1.20	T.	3	0	0	28	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	20	32.4	− 6.0	62	1	0	18	37	4.85	+1.27	1.05	4.0	11	11	3	14	w.	C. V. Lewis.
Clay	Clay	706	7	....	....	....	....	....	....	....	3.31	....	1.10	....	12	....	....	....	....	Mark King.
Cuba	Jackson	650	21	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	7	....	....	....	....	....	....	....	3.06	....	0.94	....	12	....	....	....	....	Lockmaster.
Dam 20 O. R.	Wood	551	7	....	....	....	....	....	....	....	3.61	....	1.03	....	13	....	....	....	....	Lockmaster.
Dam 22 O. R.	Jackson	538	8	....	....	....	....	....	....	....	3.25	....	1.45	....	9	....	....	....	....	Lockmaster.
Dam 26 O. R.	Mason	505	7	....	....	....	....	....	....	....	5.03	....	1.40	....	11	....	....	....	....	U. S. Engineer Office.
Gary	McDowell	1,426	7	30.8[d]	....	54[d]	1	6[d]	18	29[d]	5.30	....	1.50	....	11	....	....	....	....	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	27	33.2	+ 0.8	68	13	2	19	40	4.47	+1.68	1.00	9.0	12	6	1	21	w.	W. H. Gwinn.
Hinton	Summers	1,450	26	34.0	0	70	13	6	18	44	3.18	+0.13	0.90	6.5	13	6	1	21	n.	J. B. Lavender, C. E.
Huntington	Cabell	538	29	30.0	− 2.6	60	2	5	18†	32	4.75	+1.62	2.10	2.3	10	6	5	17	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	4	....	....	....	....	....	....	....	3.22	....	1.02	0.2	6	....	....	....	....	J. O. Brown.
Kayford	Kanawha	1,335	7	....	....	....	....	....	....	....	3.79	....	0.72	....	11	....	....	....	....	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	23	31.8	− 0.2	65	13	1	18	37	2.51	−0.45	0.76	6.0	8	5	7	16	nw.	Geo. T. Argabate.
Marlinton	Pocahontas	2,131	24	27.7	− 1.3	56	2	− 2	18	36	4.11	+0.72	1.49	9.0	10	6	10	12	sw.	S. L. Brown.
Organ Cave	Greenbrier	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	D. C. Humphreys.
Point Pleasant	Mason	553	30	33.4	− 0.2	64	13†	1	18	38	4.11	+0.67	1.50	T.	8	6	2	20	....	W. D. Holmes.
Powellton	Fayette	933	27	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	7	....	....	....	....	....	....	....	3.90	....	0.80	3.5	11	....	....	....	....	Raleigh Coal & Coke Co.
Robertsburg	Putnam	574	23	30.2	− 2.7	68	13	0	18	40	4.90	+1.88	1.60	T.	10	9	0	19	....	M. Frazier.
Ryan	Roane	700	20	30.6	− 2.6	66	1	− 9	18	42	3.97	+0.60	1.84	4.4	16	3	8	17	....	Wm. E. Ryan.
Sharples	Logan	....	3	....	....	....	....	....	....	....	3.10	....	0.74	....	6	....	....	....	....	C. E. Rippetoe.
Spencer	Roane	784	19	29.9	− 3.9	64	13	− 1	18	37	4.53	+1.49	1.12	6.0	11	0	11	17	....	A. M. McKown.
Sutton	Braxton	839	17	33.6	− 0.9	66	13†	0	18	49	4.77	+1.47	1.75	9.0	13	9	0	19	....	C. B. Eakle.
Union	Monroe	2,250	19	34.0[d]	+ 0.9	65[d]	13†	3[d]	18	43[d]	3.14	+0.43	0.68	1.2	10	9[c]	3[c]	13[c]	....	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	13	31.2	....	61	1†	4	18	35	3.73	....	1.10	5.0	10	14	1	13	....	J. M. Ayres.
Williamson	Mingo	660	23	34.0	− 2.1	68	13	9	18†	39	4.64	+1.49	1.27	1.5	13	7	4	17	w.	J. F. Keyser.
Averages and	extremes	....	....	31.9	− 1.5	70	13	− 9	18	49	4.01	+1.11	2.10	4.1	11	7	4	17	w.	
State averages and	extremes	....	....	30.4	− 1.5	70	13	−20	24	58	3.68	+0.70	2.10	7.8	12	7	5	16	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, [a], [b], [c] appearing in the table indicate number of days missing; for example, [b] represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for February, 1923.

Stations.	Drainage-basin.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac	1.12	.17	.21	T.		.18	.20			.09	.63		1.27	.09	T.	T.	T	.29		.31	T.	.05	.32	.02		.08	.26	.17				5.16
Brandywine	do	.40	T.				.19					.10		.30							T.		T.	T.									0.99
Burlington	do	.68					.17			.05		.11	.84								.12						.07	.12					2.16
Harpers Ferry ‖	do	.32	.20	T.				.52			.01	T.		1.08	.05						.12	.01		T.					.08				2.19
Inwood	do																																.....
Moorefield	do																																....
Piedmont	do	1.12	.30	T.			.29	.31		T.	.02	.61		1.31							.16				T.	.05	.17						4.61
Romney	do							.12		.03	.19		1.02	.01				T.			.05												†††
Stony River Dam ‖	do	.55	.80	.16				.24				.16		1.55	.10			.01	.04	.08	.32			.21			.05	.07	.04				4.28
Upper Tract	do	.25										T.		.40												T.	T		.10				0.75
Wardensville ‖	do	.30					.08	T.				T.		.35				T.	T.		T.		T.	T.			T.	.08	T				0.81
Northern Division.																																	
Bens Run	Ohio	.95	.08	.12			.03				.33			.55				.06			.46						.48	.28					3.34
Bruceton Mills ‖	Monongahela	.72	.16	.22	T.		.16			T.	.04	.32	T.	.24	.04	.01	T	.14	.04	T.	.34		.06	.16			.16	.26					3.10
Buckhannon	do	1.50	.15		T.		.40			.15	.15	.20	.15	.80		T.		.30	.05		.50		.05					.60	.10				5.10
Cairo	Little Kanawha	.77	T.	.04			T.	.05			.23	.03		.95		T.		.15	T.		.30		.02			T.	.52	.15					3.21
Cheat Bridge ‖	Monongahela	1.15	.69	.42				.16		.04	.06	.19		.58	.06	.08	T.			T.	.28	.16	.16	.16	.05		.06	.30					4.60
Clarksburg ‖	do	.77	.27	.08				.14			.26	.14		.91			.02	.01	.06		.19			.01			.05	.53					3.44
Cortland	do	.60	.35				.16					.32	1.61					.16		.24			.32	.16									3.92
Creston	Little Kanawha	.90	.46	.20				.10			.40	.10		1.10					.06		.15	T.		T.			.10	.54	.02				4.13
Dam 10, Mon. R. ‖	Monongahela	.52	.40	.15				.09			.11	.16		.87	.09				.05		.09		T.	T.	.02	.01	.01	.47	.05				3.09
Dam 12, O. R.	Ohio	.05	.02	.03				.05			.28	.01		.60		T.		.01			.05					T.	.15	.40	.02				1.67
Dam 13, O. R. ‖	do	.15	.05	.13				.04			.28	.03		.55				.04			.09					.02	.13	.33	.04				1.88
Dam 15, Mon. R. ‖	Monongahela	.68	.35	.08				.17			.03	.07		.86		T.		.01	.02		.17						.02	.42	.02				2.90
Davis	do	.75	1.22	.32	T.			.17		T.	.27	.34		1.75	.07	T.	.12	.12	.10	.01	.24	.35	.17	.12		.06		.35	.19				6.75
Elizabeth ‖	Little Kanawha	.88	.29	.16				.04			.30	.03		1.11					.03	.10								.53	.02				3.49
Elkins ***	Monongahela	.90	.12	.22	T		.15	T.		.09	.10	.24	.75	.20	.06	.01	T.	.08	T.	T.	.25		.03	.03	T.	T.	.16	.27	.06				3.72
Fairmont ‖	do	.65	.41	.12	T.	T.		.25	.04		.10	.10		1.05		T.	T.	T.	.10	.04	.28	.16		.04	.02		T.	.48	.08				3.92
Glenville ‖	Little Kanawha	1.18	.47	.18				.15			.26	.34		.85					.18		.39			T.			.12	.54					4.66
Grafton	Monongahela	1.00	.12					.08			.06		1.53				.08	.16									.20	.55					3.78
Lost Creek	do	.98	.16	.10	T.		.07	.02		T.	.45	.19	.02	1.18		T.	T.	.35	.02		.39		.02	T.			.12	.61	T.				4.68
Mannington	do	.88	.09	.10			.08	.01		.01	.24	.13		.84	.01	.01	T.	.03	.01	.01	.14			.01		.02	.21	.32	T.				3.18
Morgantown	do	.63		T.	T.		.16	.12		T.	.08	.16		1.10		T.	T.	.12	.16		.24		.04	.04			.12	.22					3.19
Moundsville ‖	Ohio																																.....
New Cumberland ‖	do	.04		.08				.08			.64			.61				T.	.03		.12	T.		.08		.03	.12	.38					2.21
New Martinsville	do	.46	.12				*	*		*	.32			.65				T.	T.		.16		T.	T.			.50	.20					2.41
Parkersburg ***	Ohio	.41	.12	.05			.03			.06	.10	.01	.57	T.		T.		.06	T.		.25		T.	T.	T.	.01	.58	.07					2.32
Parsons	Monongahela	*	*	1.00			*	.16				.16	1.80							*	.32		.16	.16									3.76
Philippi	do	1.23	.11	.05	T.		.03	.10		T.	.25	.27	T	1.07	.06	T.		.03		T.	.30		T.	.07		T.	.16	.46					4.22
Pickens	do	1.96	.22	.42			.16	.08			T.	.56		.89	.22	.08		.16	.27		.64		.32	.48	.08		.32	.52					7.38
Rowlesburg ‖	do	.90	.85								.25	.44		1.50					.14		.15	.08		.10				.10					4.51
Saint Marys ‖	Ohio	.80	.22	.22				.05			.30	.03		.52					.09		.26	.25					.15	.53					3.42
Smithfield ‖	Fishing Creek	1.00	.03	.18				.11			.33	.10		.82	.01	T.		.05	.06		.30	.05		.01		.04	.08	.55	.04				3.76
Terra Alta	Monongahela	.79	.17	.01			.09	.01		.21	.31		1.22	.03	.01	.09	.02	.02	.01		.33	.04	.02	.01	.02		.41	.09	.05				3.99
Wellsburg	Ohio		.25	.10			T.	.08		T.	.36	T.	.70					T.			.06		T.				.25	.27	.06				2.13
Weston	Monongahela	1.62	.12	.13			.08				.27			1.34	.05			.08			.40		T.	T.			.40	.43					4.92
Wheeling ‖	Ohio	.05	.02	.07	T.			.06		T.	.39	.02		.56	T.	T	T.	.02	T.	T.	.04		T.	T.		T.	.13	.35	.03				1.74
Southern Division.																																	
Bancroft ‖	Great Kanawha	1.10	.92	.32				.10			.22	.10		.77	.06	.01			.08		.04			.01			.17	.55	.02				4.47
Beckley	do	.57	.36	.85		.08	.09						1.50	.07				.16															3.68
Bluefield	do	.15	.82	1.70	.38		.50	.10			.03	.20	.08	1.08							T.			T.			.37	.15					5.56
Camden-on-Gauley ‖	do	1.20	1.10						T.		T.		1.00							T	T.	T.											3.30
Charleston ‖	do	1.05	.48	.28				.20			.48	.22		.85					.20		T.	T.					.24	.75	.10				4.85
Clay ‖	do	1.10	.80	.30				.05			.02			.40	.10		T.		.20		.15			T.			.08	.03	.08				3.31
Cuba	Sand Creek																																.....
Dam 19 O. R. ‖	Ohio	.94	.15	.23				.03			.20	T.		.67		T.		T.	.01	T.	.06	.01		T.		T.	.18	.56	.02				3.06
Dam 20 O. R. ‖	do	1.03	.27	.22				.02			.25	.03		.99					.02		.03	.01					.18	.55	.01				3.61
Dam 22 O. R. ‖	do	.90	.40	.15							.25			1.45		.02					.04			.01			.03						3.25
Dam 26 O. R. ‖	do	1.40	.90	.25				.10			.30	.10		1.25					.05		.03						.10	.55					5.03
Gary	Big Sandy	.15	.66	1.50		.24					.29		.19	1.25	.06												.34	.58	.04				5.30
Green Sulpr. Spgs.	do	1.00	.47	.65		.24	.16					.08	T.	.63	.25						.16			.08			.35	.37	T.				4.47
Hinton ‖	do	.10	.14	.90	.06	.22		.20			T.	.18		.58	.04				.04		.04			T.			T.	.61	.04				3.18
Huntington ‖	Ohio	1.46	.64	.44				.12			.34	.10		.90					.03		T.			T.			.18	.54					4.75
Kanawha Falls ‖	Great Kanawha	1.02	.40	.52				T.			.08			.58														.62					3.22
Kayford ‖	do	.72	.56	.62				.17			.08	.36		.53							.07			.01			.08	.59					3.79
Lewisburg	do	.20		.76		.16	T.					.30	T.	.39							.16						.33	.21					2.51
Logan	Guyandotte																																.....
Marlinton	Great Kanawha	1.17	.32	.42			T.	.20		T.		.30	.15	.70				T.			.40		T.	T.		T.	.35	.10					4.11
Organ Cave	do																																.....
Point Pleasant	Ohio	1.50	.05	.12			T.	.08			.34	T.		1.30				T.	T.		T.						.53	.19					4.11
Powellton	Great Kanawha																																.....
Raleigh ‖	do	.50	.70	.80		.50	.10				.20		.30	.50						.10				.10			.10						3.90
Robertsburg ‖	do	1.60	1.04	.24				.10			.29	.05		.93				T.	T.		T.	T.					.11	.51	.03				4.90
Ryan	do	1.84	.05	.17			.07	.04		.02	.18	.09	.05	.69		T.		.06	.04		.09		T.	T.			.28	.28	.02				3.97
Sharples ‖	Coal River	.74	.31	.52			T.							.71													.40		.42				3.10
Spencer ‖	Little Kanawha	1.12	.66	.26				.12			.32	.08	T.	1.00	T.	T.	T.	.12		T.	.16			T.			.24	.45	T.				4.53
Sutton	Great Kanawha	1.75	.12	.31	T.		.08	.08		T.	.28	.38	T.	.55				T.	.08		.24			.08		T.	.32	.50	T.				4.77
Union	do	.04	.30	.68		.30	.08				.30			.55							.02						.46	.41					3.14
White Sulpr. Spgs. ‖	do	.20	.70	.24	.25		.12				.16		.90							.04							1.10		.02				3.73
Williamson ‖	Big Sandy	.41	.52	1.27	.10	.05	T.	.21			.02	.05		1.03					.10		T.				T.		.10	.70	.08				4.64

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

††† Probably incomplete.

Daily Temperatures for February, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	53	57	56	28	23	23	26	41	45	44	32	38	61	59	34	11	17	16	24	27	36	37	22	35	36	44	44	39	....	....	....	36.0
	Minimum	40	46	28	17	13	11	14	19	30	22	22	-4	35	23	1	0	8	-3	5	5	20	21	13	-5	31	32	35	32	....	....	....	18.2
Brandywine	Maximum	52	63	52	40	31	40	30	50	52	40	37	37	63	60	40	17	27	24	36	37	45	40	30	30	50	47	46	48	....	....	....	41.6
	Minimum	35	35	36	27	21	13	18	16	25	30	24	15	30	29	10	4	14	4	-1	14	12	20	18	-4	20	30	37	32	....	....	....	20.1
Burlington	Maximum	38	45	59	37	30	29	40	43	54	58	39	49	63	63	37	21	30	22	31	35	42	40	29	43	46	44	44	44	....	....	....	41.2
	Minimum	32	34	35	24	20	14	16	21	26	31	29	10	32	33	11	10	16	6	15	15	22	23	20	4	25	31	36	36	....	....	....	22.4
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Moorfield	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Piedmont	Maximum	38	47	59	33	31	26	34	46	54	40	35	38	66	57	26	18	35	18	31	32	41	35	25	39	43	44	47	42	....	....	....	38.6
	Minimum	32	31	33	21	18	15	16	23	29	28	25	9	21	26	14	8	18	3	12	13	25	23	14	7	39	33	37	36	....	....	....	21.8
Romney	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	28	23	35	32	45	33	27	45	48	44	41	....	....	....	......
	Minimum	....	42	37	23	19	14	15	20	28	30	26	13	26	31	9	8	12	4	11	17	23	24	19	3	21	30	33	35	....	....	....	21.2
Upper Tract	Maximum	44	43	36	34	33	33	35	36	35	36	36	58	60	60	58	22	23	24	33	32	33	31	30	30	44	44	44	45	....	....	....	38.3
	Minimum	22	22	26	26	18	14	14	15	18	22	20	16	20	16	13	7	8	4	9	10	10	12	16	3	14	25	39	30	....	....	....	16.8
Northern Division.																																	
Bens Run	Maximum	56	57	59	31	33	28	37	49	47	42	39	43	60	57	28	21	24	19	31	34	40	37	28	41	43	45	46	43	....	....	....	39.9
	Minimum	44	40	30	19	17	17	21	32	35	21	23	20	39	25	8	8	17	0	12	24	16	25	20	6	35	35	38	33	....	....	....	23.6
Buckhannon	Maximum	57	61	54	44	26	32	31	41	41	43	46	41	64	61	29	19	23	16	28	31	38	38	26	40	44	51	49	41	....	....	....	39.8
	Minimum	51	46	30	21	18	18	21	25	28	25	26	15	41	29	7	6	13	0	9	16	23	26	18	0	36	38	36	36	....	....	....	23.5
Cairo	Maximum	57	59	58	32	29	29	36	40	48	43	37	43	62	59	30	22	22	21	30	34	40	39	29	40	45	47	46	45	....	....	....	40.1
	Minimum	46	42	32	19	17	17	21	23	24	22	25	16	39	26	7	5	18	-5	6	21	11	21	20	1	34	34	39	34	....	....	....	22.0
Clarksburg	Maximum	57	60	46	25	29	30	39	49	50	42	37	53	62	36	21	19	20	16	31	31	41	30	25	41	47	49	43	40	....	....	....	38.2
	Minimum	37	44	37	21	18	17	22	21	28	24	22	19	20	28	6	0	7	1	2	16	17	20	19	2	8	35	41	36	....	....	....	20.3
Creston	Maximum	59	61	60	33	32	31	36	50	50	47	37	45	65	55	34	24	22	20	30	33	42	41	30	43	44	50	50	43	....	....	....	41.7
	Minimum	46	44	32	20	19	19	18	32	25	24	26	19	40	28	9	9	17	-1	8	21	13	28	20	3	39	34	40	35	....	....	....	23.8
Elkins	Maximum	58	61	58	25	26	28	31	45	48	44	37	44	65	51	17	16	19	12	28	29	38	33	20	41	40	45	43	38	....	....	....	37.1
	Minimum	49	48	25	20	16	18	19	28	39	23	18	12	44	17	3	4	10	0	9	16	22	17	10	-7	34	34	38	32	....	....	....	21.4
Fairmont§	Maximum	42	54	56	37	22	29	28	32	44	51	31	37	51	60	39	18	21	21	14	30	30	32	31	25	38	40	45	40	....	....	....	35.6
	Minimum	35	40	37	20	16	15	20	20	31	22	20	18	19	26	6	7	9	0	1	13	24	23	19	3	6	34	36	34	....	....	....	19.8
Glenville	Maximum	60	63	60	33	36	30	37	50	50	47	41	46	68	65	34	26	23	20	32	32	45	42	35	43	44	50	49	42	....	....	....	43.0
	Minimum	48	45	32	21	18	17	21	29	25	25	27	16	43	26	9	7	18	-2	9	19	18	19	20	3	38	34	39	36	....	....	....	23.6
Grafton§	Maximum	56	60	60	60	32	28	33	47	53	46	48	50	68	68	32	31	20	16	21	31	39	38	38	36	40	47	46	46	....	....	....	42.5
	Minimum	46	40	29	18	15	16	17	25	25	20	28	40	40	28	4	5	10	-5	9	12	22	18	16	-7	20	33	36	34	....	....	....	21.2
Lost Creek	Maximum	57	59	58	32	30	30	34	47	50	45	35	43	65	60	30	20	20	18	30	30	39	37	28	38	42	48	42	40	....	....	....	39.5
	Minimum	47	43	30	21	17	16	20	25	30	22	24	14	42	25	6	5	13	-6	6	14	21	24	18	-2	35	34	38	34	....	....	....	22.0
Mannington	Maximum	55	57	58	31	28	28	33	45	40	43	36	42	59	59	29	19	20	19	29	33	37	36	28	36	41	46	45	41	....	....	....	38.6
	Minimum	45	41	31	19	17	14	21	30	27	21	18	10	37	26	8	8	14	-3	12	18	23	20	18	-1	35	33	38	35	....	....	....	22.0
Morgantown	Maximum	54	57	59	30	25	25	31	43	46	38	34	45	59	58	24	18	19	15	27	32	36	33	23	31	39	48	47	39	....	....	....	37.1
	Minimum	46	38	29	17	15	14	19	28	32	18	21	27	41	23	5	6	13	1	10	20	23	22	15	2	34	37	37	32	....	....	....	22.3
New Cumberland§	Maximum	51	55	35	17	21	28	34	47	33	31	36	50	55	28	17	18	20	17	30	34	37	29	22	37	42	45	40	36	....	....	....	33.8
	Minimum	31	32	35	9	7	9	7	10	29	14	11	10	15	21	6	5	6	-1	2	10	10	13	14	0	2	34	35	30	....	....	....	14.5
New Martinsville	Maximum	55	60	60	58	....	....	....	....	....	44	40	43	62	62	27	20	22	18	32	37	41	37	28	38	44	45	45	42	....	....	....	41.7
	Minimum	42	37	25	25	....	....	....	....	....	18	18	15	38	20	6	5	11	1	9	22	18	21	17	1	33	32	36	32	....	....	....	21.1
Parkersburg	Maximum	57	59	58	25	29	28	36	50	45	32	37	52	62	44	20	22	22	20	31	33	42	33	25	42	44	48	43	42	....	....	....	38.6
	Minimum	47	40	25	17	17	20	20	32	31	21	24	23	44	17	9	10	10	2	13	25	20	25	15	9	38	38	38	34	....	....	....	23.7
Parsons	Maximum	58	57	59	50	40	27	32	42	51	45	36	45	64	52	23	17	21	17	27	29	38	31	36	39	34	38	42	37	....	....	....	38.8
	Minimum	47	43	47	35	17	11	11	22	26	25	20	6	36	20	6	5	6	-1	7	11	20	20	..	-14	30	32	31	31	....	....	....	20.4
Philippi	Maximum	57	59	57	30	26	32	33	44	49	44	33	52	65	60	30	20	20	15	28	29	38	34	25	35	42	58	62	43	....	....	....	40.0
	Minimum	48	40	28	18	14	15	21	25	32	19	23	17	41	30	....	....	5	-2	6	16	22	21	15	-3	32	37	35	34	....	....	....	22.7
Pickens	Maximum	55	57	54	31	32	34	30	43	45	45	37	41	61	51	25	18	18	23	27	23	39	29	20	37	41	45	46	37	....	....	....	37.3
	Minimum	49	41	25	15	12	16	15	21	28	28	12	11	38	19	0	-1	7	-5	4	9	9	17	10	-4	23	34	34	28	....	....	....	17.7
Terra Alta	Maximum	54	36	20	24	19	28	39	44	31	29	49	59	32	7	10	10	8	24	24	32	23	15	34	40	43	40	32	....	....	....	....	29.9
	Minimum	40	36	13	10	11	12	15	26	19	19	3	19	20	0	-1	-1	-6	-3	5	17	18	10	-6	-3	29	36	30	26	....	....	....	14.1
Wellsburg	Maximum	49	51	55	29	23	29	35	47	47	34	35	54	50	35	24	18	20	17	30	34	36	34	26	35	40	45	45	40	....	....	....	36.3
	Minimum	46	25	29	13	13	9	7	31	29	16	10	33	18	18	6	6	16	2	14	25	7	25	17	-2	31	34	36	32	....	....	....	19.6
Weston	Maximum	58	60	60	32	28	30	32	47	51	48	40	48	66	62	62	20	22	21	29	31	40	38	30	40	43	49	50	43	....	....	....	42.1
	Minimum	45	46	32	22	18	19	22	26	33	25	27	20	44	28	8	8	17	1	9	20	23	26	19	4	37	36	41	36	....	....	....	24.7
Wheeling§	Maximum	52	57	38	20	29	30	38	50	36	39	40	52	60	33	30	20	21	17	35	40	43	35	27	38	42	45	40	39	....	....	....	37.4
	Minimum	34	35	35	14	15	14	18	20	30	17	10	10	10	22	6	5	5	0	2	12	12	12	16	4	5	37	37	30	....	....	....	16.7
Southern Division.																																	
Bluefield	Maximum	60	62	63	60	50	32	35	46	53	51	48	45	68	65	42	27	31	30	30	38	48	50	52	42	46	50	56	52	....	....	....	47.6
	Minimum	48	50	34	33	19	16	20	19	32	33	30	25	35	26	10	6	12	3	8	24	18	18	18	9	22	34	46	37	....	....	....	24.5
Charleston	Maximum	62	58	52	48	47	42	47	55	52	49	50	52	48	41	36	25	24	23	22	27	28	29	31	48	50	51	56	52	....	....	....	43.1
	Minimum	35	48	42	20	21	21	21	28	30	28	22	21	30	26	13	10	2	0	3	6	10	15	12	13	13	38	40	38	....	....	....	21.6
Gary§	Maximum	54	53	....	51	27	27	25	25	41	....	41	51	51	31	15	19	....	18	36	36	48	29	24	....	41	46	46	45	....	....	....	36.8
	Minimum	45	51	51	....	23	26	25	17	19	27	....	30	38	31	14	11	11	6	....	7	19	19	23	23	13	....	35	40	....	....	....	24.9
Green Sulphur Spgs.	Maximum	60	60	56	36	35	30	38	42	52	48	40	37	68	62	37	27	30	22	34	32	50	36	30	48	42	45	50	46	....	....	....	42.6
	Minimum	42	48	35	26	20	21	18	26	28	33	30	22	35	28	10	8	16	3	2	19	14	19	20	8	28	30	38	38	....	....	....	23.8
Hinton§	Maximum	64	58	52	33	36	28	36	54	58	40	36	40	70	47	37	32	34	28	38	36	55	41	30	56	46	43	50	49	....	....	....	43.8
	Minimum	38	49	49	28	23	22	23	25	26	27	33	26	30	30	14	10	10	6	7	8	20	20	21	12	13	33	34	40	....	....	....	24.2
Huntington§	Maximum	55	60	40	25	30	30	36	38	35	30	35	50	59	32	27	25	28	21	35	35	39	30	24	42	45	41	44	39	....	....	....	36.6
	Minimum	50	46	40	20	20	20	20	20	30	27	26	26	28	29	12	12	12	5	5	13	21	21	24	13	13	22	42	39	....	....	....	23.4
Lewisburg	Maximum	57	60	55	35	33	28	31	45	50	45	38	35	65	57	39	23	27	21	32	33	46	39	26	44	43	40	51	45	....	....	....	40.9
	Minimum	41	49	34	24	21	18	19	17	25	35	28	21	31	25	9	6	13	1	2	16	16	26	17	7	31	31	38	37	....	....	....	22.8
Marlinton	Maximum	54	56	50	30	32	28	32	40	46	42	34	30	52	46	24	16	20	16	28	28	38	28	32	36	40	42	50	38	....	....	....	36.0
	Minimum	38	46	30	22	20	16	18	22	22	30	22	12	28	24	6	2	10	-2	2	18	6	20	6	0	28	30	34	32	....	....	....	19.4
Point Pleasant	Maximum	58	58	58	33	29	31	38	48	48	45	38	47	64	64	31	24	25	23	30	33	42	42	32	43	47	48	49	45	....	....	....	41.9
	Minimum	49	43	32	18	18	20	16	30	28	24	25	24	43	26	10	9	18	1	10	26	14	29	22	9	39	37	41	35	....	....	....	24.8
Powellton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Robertsburg§	Maximum	60	62	38	25	32	30	38	51	47	32	40	55	68	39	22	25	24	20	35	33	45	32	21	45	48	50	44	45	....	....	....	39.5
	Minimum	34	43	38	19	19	19	21	18	28	24	23	24	28	27	9	9	9	0	1	10	16	18	21	7	9	39	38	35	....	....	....	20.9
Ryan	Maximum	66	60	54	32	28	29	34	49	47	38	35	47	65	56	27	23	21	18	32	33	40	32	30	45	46	50	45	40	....	....	....	40.1
	Minimum	48	43	32	18	16	13	20	27	20	23	25	18	40	27	7	2	18	-9	0	18	8	21	18	3	31	32	40	35	....	....	....	21.2
Spencer§	Maximum	57	59	40	22	29	28	34	48	47	35	35	53	64	40	19	23	20	16	32	18	42	32	20	40	45	49	43	40	....	....	....	36.8
	Minimum	46	46	40	20	18	20	21	28	27	24	30	22	35	26	8	7	17	-1	7	16	5	18	20	10	20	39	39	36	....	....	....	23.0
Union	Maximum	61	62	59	....	38	32	30	41	48	59	....	42	65	65	41	21	31	31	....	35	48	49	37	41	....	48	55	54	....	....	....	45.3
	Minimum	43	49	35	....	20	17	20	8	25	35	....	25	32	22	10	6	13	3	....	11	15	26	18	6	....	32	38	37	....	....	....	22.8
White Sulphur Spgs§	Maximum	61	52	37	35	27	35	42	53	45	37	37	61	44	32	21	33	25	29	38	18	36	27	42	41	44	52	47	55	....	....	....	40.6
	Minimum	56	49	26	18	20	19	19	24	27	29	21	27	28	11	8	9	5	4	11	17	21	20	7	11	31	33	39	27	....	....	....	21.9
Williamson§	Maximum	59	61	49	37	32	33	36	48	51	36	34	56	68	40	23	25	30	20	37	33	43	38	28	47	49	50	48	45	....	....	....	41.4
	Minimum	46	53	49	32	23	23	23	29	30	30	33	27	29	30	15	14	15	9	9	9	21	23	25	16	16	36	37	45	....	....	....	26.7

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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1923

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXXI. PARKERSBURG, W. VA., MARCH, 1923. No. 3.

GENERAL SUMMARY.

March was slightly cooler and considerably drier than usual, with ample sunshine. The month was generally considered much cooler than usual, as March was warm for the five years preceding 1923. For the past month, also, the warm period occurred at the beginning of the month. At several of the stations, including Elkins and Parkersburg, the temperature averaged practically normal. The precipitation was generally favorably distributed, although the monthly amounts were much deficient over the eastern counties. The snowfall was light Over the southern and western counties the ground was practically bare during the entire month. Owing to light snow-cover, light to moderate rains, and cool nights, the rivers in the district were only at moderate stages. The temperature conditions were excellent for fruit trees, as fruit buds were practically dormant at the close of the month. Low temperature during the last two decades, however, delayed farm work and caused some damage to wheat.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 30.09 and 30.08 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.62 inches on the 31st, and 29.26 inches on the 6th. Elkins, 30.57 inches on the 14th, and 29.17 inches on the 7th.

TEMPERATURE.

The monthly mean for the State, determined from 48 stations, was 41.7°. The departure from the normal for 40 stations having ten or more years of record was −0.8°. Moderately warm weather prevailed from the 1st to the 5th and on the 12-13th and 22-23d, with the highest temperature occurring generally on the 12th. Unseasonably cool weather prevailed on the 7-9th, 19-20th, and during the last four days, with the lowest temperatures occurring generally on the 20th, 29th, and 31st.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 75 per cent; 8 p. m., 56 per cent. The March averages for the same hours for the past 34 years are 79 and 69 per cent, respectively. Elkins, 8 a. m., 80 per cent; 8 p. m., 60 per cent. The March averages for Elkins for the same hours for the past 23 years are 82 and 69 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 69 stations, was 3.23 inches. The departure from the normal for 45 stations having ten or more years of record was —0.61 inch. The precipitation was heaviest over the central and southern counties and lightest over the eastern panhandle. Most of the precipitation was received on the 6-7th, 10-12th, 16th, 19th, and 22-23d, the greatest amounts being measured on the 6th, 12th, and 23d. Most of the snowfall was received on the 6th, 14th, 16th, and 19th, the amounts ranging from a trace at some of the stations in the southern counties to 20 inches at Pickens, Randolph County.

WIND.

The average wind velocity at Parkersburg was 8.8 miles per hour, or 1.6 miles above the March average for 34 years. The average at Elkins was 9.0 miles per hour, or 3.2 miles above the March average for 24 years. The highest velocity at Parkersburg was 43 miles per hour from the west on the 4th, and at Elkins 41 miles per hour from the southwest on the 12th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 55 per cent of the possible amount, or 13 per cent above the March average for 25 years. The average at Elkins was 53 per cent, or 13 per cent above the March average for 24 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bayard, 18th and 22d; Hinton, 3d and 18th; Pickens, 5th; Wheeling, 8th and 11th.

Hail: Davis and Wheeling, 26th.

Halos, lunar: Burlington, 2d; Bayard and Wellsburg, 3d, Williamson, 9th; Wheeling, 16th; Elkins, 25th.

Halo, solar: Cairo, 9th.

Sleet: Brandywine, Cheat Bridge, Inwood, Romney, Smithfield, and Wardensville, 6th; Bayard and Fairmont, 7th; Elkins, 13th; Romney, 16th; Wellsburg, 26th.

Thunderstorms (dates and number of stations reporting): 11th, 1; 12th, 1; 22d, 2; 23d, 1; 24th, 1; 26th, 3.

COMPARATIVE DATA FOR MARCH.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	34.9	......	......	4.91	......	......	......	......	......	......
1892	36.4	87	8	3.50	......	......	......	......	......	......
1893	40.7	84	3	1.49	2.89	0.89	5.2	8	8	15
1894	45.8	88	1	1.94	3.05	0.75	1.9	15	9	7
1895	39 6	90	0	3.05	4.75	0.89	7.9	11	9	11
1896	36.1	76	−10	4.45	8.40	1.76	......	10	8	13
1897	46.1	81	12	3.60	6.52	1.33	......	9	10	12
1898	48.5	86	9	5.13	10.05	1.25	T.	8	9	14
1899	42.5	76	0	5.82	8.48	2.40	4.5	7	9	15
1900	38.5	78	− 5	3.79	6.48	2.18	14.7	7	9	15
1901	42.9	83	−11	3.23	5.27	0.90	2.3	8	8	15
1902	43.4	80	− 5	4.30	6.29	3.00	15.0	10	9	12
1903	51.3	87	13	4.47	6.59	2.70	0.2	10	9	12
1904	43.8	86	7	4.12	6.10	1.38	1.9	9	8	14
1905	46.6	88	− 2	4.10	6 46	1.45	0.7	14	7	10
1906	37.3	75	− 7	4.77	8.11	1.98	13.4	7	6	18
1907	49.6	94	2	4.77	8.18	1.05	4.2	12	8	11
1908	47.8	89	15	6.04	8.60	1.23	1.1	11	8	12
1909	40.8	83	10	3.38	8.66	1.10	4.7	9	10	12
1910	49.5	90	5	0.55	2.25	0.04	1.1	18	9	4
1911	40.5	90	− 5	3.30	7.86	1.12	5.2	11	8	12
1912	39.9	80	6	5.02	9.36	1.78	5.1	8	7	16
1913	45.7	89	− 3	4.53	7 90	1.77	2.7	11	9	11
1914	37.3	83	−13	3.03	7.11	0.89	17.7	10	8	13
1915	34.4	63	7	1.61	4.32	0.53	6.7	12	7	12
1916	38.5	88	− 4	4.88	9.88	2.49	9.0	11	7	13
1917	41.9	85	− 3	6.58	14.20	3.10	11.6	14	4	13
1918	46.5	85	9	4.26	9.37	1.55	0.1	16	5	10
1919	44.5	81	12	2.92	4 81	1.60	0.8	16	6	9
1920	42.8	83	− 5	3.38	8.87	1.40	3 1	17	5	9
1921	52.7	90	10	2.84	5.75	0.63	T.	14	8	9
1922	45.0	85	0	5.33	8.19	1.40	3.3	10	5	16
1923	41.7	82	− 4	3.23	5.50	0.88	3.2	15	5	11
Means and extremes	42.8	94	−13	3.89	14.20	0.04	5.1	11	8	12

Climatological Data for March, 1923.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	22	39.3	+ 1.6	71	12†	2	9	46	3.25	−1.13	0.52	13.0	12	11	6	14	sw.	U. G. Clark.
Brandywine	Pendleton	......	7	42.6	......	75	12†	11	20†	41	2.10	......	0.75	4.0	5	18	1	12	s.	Elmer Keister.
Burlington	Mineral	875	29	43.1	+ 1.9	75	4†	8	9	44	1.48	−1.58	0.63	6.0	3	20	5	6	e.	Mary Vandiver.
Harpers Ferry	Jefferson	244	34	......	......	......	......	......	......	......	2.28	−0.76	0.74	6.0	9	......	......	......	......	J. C. Newcomer.
Inwood^{a}	Berkeley	569	1	42.2	......	78	23	13	28	42	2.13	......	0.89	5.5	6	18	5	8	w.	H. W. Prettyman.
Moorefield^{a}	Hardy	900	27	......	......	82	12†	......	......	......	2.04	−0.63	0.80	10.0	5	27	2	1	......	M. S. Henkel.
Piedmont	Mineral	919	10	41.2	......	72	4†	10	9	41	1.58	......	0.75	......	5	15	5	11	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	25	43.0^{a}	+ 0.4	77^{a}	3	10	29	51^{a}	1.66	−1.44	0.70	7.5	8	16	6	9	......	Geo. E. Arnold.
Stony River Dam	Grant	......	3	......	......	......	......	......	......	......	1.64	......	0.50	7.0	9	9	6	16	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	24	42.8^{c}	− 0.1	76^{c}	12	12^{c}	9	48^{c}	0.88	−1.66	0.48	6.0	4	19	0	12	w.	J. M. Mallow.
Wardensville	Hardy	1,200	5	41.8	......	75	12†	9	29	44	0.95	......	0.40	5.0	5	19^{b}	6^{b}	4^{b}	s.	Luther F. Sutton.
Averages and	extremes	......	....	42.0	+ 1.0	82	12†	2	9	51	1.82	−1.20	0.89	7.0	6	17	4	10	w.	
Northern Division.																				
Bens Run	Pleasants	622	21	44.1	+ 0.9	72	4†	14	29†	40	3.36	−0.78	1.08	1.0	6	19	6	6	......	J. D. Riggs.
Bruceton Mills	Preston	1,549	3	......	......	......	......	......	......	......	3.11	......	0.69	10.4	12	5	14	12	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	26	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	H. A. Darnall.
Cairo	Ritchie	680	24	42.4	− 2.9	75	12	7	20	46	4.23	+0.08	0.88	0.6	11	15	7	9	......	O. C. Hess.
Cheat Bridge	Randolph	3,558	5	35.2^{a}	......	66^{a}	12	− 4	9	48^{a}	4.62	......	0.69	13.5	12	21	0	10	......	H. F. Cromer.
Clarksburg	Harrison	1,015	1	40.9	......	76	12	12	20†	53	2.96	......	0.60	0.2	14	12	7	12	w.	Clarksburg Water Board.
Cortland	Tucker	3,300	12	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	G. W. Harmon.
Creston	Wirt	701	21	44.0	− 0.2	75	12	14	20	46	3.85	−0.17	0.70	0.3	13	13	3	15	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	2	......	......	......	......	......	......	......	3.65	......	0.84	......	17	......	......	......	s.	Lockmaster.
Dam 12 O. R.	Ohio	614	7	......	......	......	......	......	......	......	2.84	......	0.68	......	12	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	605	7	......	......	......	......	......	......	......	2.23	......	0.46	......	13	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	2	......	......	......	......	......	......	......	3.15	......	0.56	1.0	17	......	......	......	w.	Lockmaster.
Davis	Tucker	3,093	14	......	......	......	......	......	......	......	4.76	+0.45	0.88	10.9	20	13	6	12	w.	Ross C. Male.
Elizabeth	Wirt	646	11	......	......	......	......	......	......	......	3.06	......	0.88	......	9	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	22	39.5	+ 0.4	74	12	10	29	44	3.32	−0.75	0.77	2.8	13	8	9	14	w.	U. S. Weather Bureau.
Fairmont	Marion	883	17	39.1	− 2.6	74	12	13	20†	50	3.45	−0.46	0.65	0.5	17	18	1	12	w.	Creed E. Bolyard.
Glenville	Gilmer	738	29	45.8	+ 1.5	78	3†	13	20	51	3.36	−0.88	0.58	0.5	14	15	7	9	w.	Howard R. Brannon.
Grafton	Taylor	1,000	30	43.4	+ 0.7	78	12	6	29	52	2.64	−1.31	0.77	......	4	15	4	12	sw.	W. A. Williams.
Lost Creek	Harrison	1,026	25	42.2	− 0.5	76	12	8	20	46	2.94	−1.15	0.56	1.5	11	13	8	10	w.	Allen Smith.
Mannington	Marion	974	20	42.2	− 0.7	75	12	11	29	42	3.69	−0.06	0.84	2.1	13	13	4	14	sw.	Jas. A. Morgan.
Morgantown^{a}	Monongalia	1,250	30	42.2	+ 0.2	77	12	10	29	42	2.94	−0.77	0.77	......	7	2	11	17	w.	Prof. E. L. Andrews.
Moundsville	Marshall	642	20	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	G. W. Wright.
New Cumberland	Hancock	987	25	36.2	− 3.8	75	12	10	29†	51	2.20	−1.16	0.75	3.0	13	12	3	16	n.	Geo. W. Derouin.
New Martinsville	Wetzel	634	29	42.2^{a}	− 1.4	77	4	11^{a}	29†	47^{a}	3.35	−0.30	0.80	......	7	14	6	11	s.	Wm. Ankrom.
Parkersburg	Wood	638	36	42.1	− 0.2	73	12	14	31	38	3.35	−0.47	1.13	0.1	11	12	7	12	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	23	39.4	− 0.5	75	12	8	8†	43	3.00	−1.06	......	......	8	16^{a}	4^{a}	10^{d}	......	J. W. Swisher.
Philippi	Barbour	1,149	26	43.7^{a}	+ 1.2	80	12†	12^{a}	31	42^{a}	2.53	−1.67	0.62	0.5	10	13	3	15	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	20	37.8	− 1.9	73	12	5	20	44	5.50	−0.28	1.13	20.0	14	13	2	16	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	36	......	......	......	......	......	......	......	3.59	−0.71	0.72	5.0	12	......	......	......	w.	J. F. Pierce.
Saint Marys	Pleasants	577	14	......	......	......	......	......	......	......	3.51	−0.11	0.68	0.5	12	......	......	......	sw.	Wm. Hughes.
Smithfield	Wetzel	835	17	41.3	− 0.3	77	12	11	9	59	3.97	0	0.90	1.0	12	20	4	7	ne.	G. M. Whisler.
Terra Alta	Preston	2,612	22	33.4^{a}	− 5.6	69^{a}	11	− 3	8†	59^{a}	3.03	−1.79	0.58	7.8	22	9	8	14	w.	J. J. Shanahan.
Wellsburg	Brooke	1,225	22	40.0	+ 0.8	72	4	10	29	44	2.89	−0.33	0.80	1.0	9	14	7	10	w.	George P. Pfister.
Weston	Lewis	1,026	27	44.8	+ 1.0	76	12	13	20	42	2.83	−1.64	0.56	2.0	10	14	7	10	......	Weston State Hospital.
Wheeling	Ohio	645	36	39.5^{a}	− 1.7	74^{a}	4†	11	31	60^{a}	3.21	+0.15	0.71	5.3	13	9	6	16	nw.	Miss M. B. Forsyth.
Averages and	extremes	......	....	40.9	− 0.7	80	12†	− 4	9	60	3.35	−0.63	1.13	3 8	12	13	6	12	w.	
Southern Division.																				
Bancroft	Putnam	574	19	42.0^{d}	− 2.5	77^{d}	4	12	20	51^{d}	3.07	−0 87	0.61	0.6	12	16	1	14	s.	E. H. Marrow.
Beckley	Raleigh	2,440	23	39.0	− 4.4	71	12	6	20†	50	4.43	+0.57	1.36	3.0	9	17	4	10	w.	E. E. Phipps.
Bluefield	Mercer	2,558	28	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	8	......	......	......	......	......	......	......	3.00	......	1.00	T.	3	......	......	......	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	20	46.4	− 2.3	79	12	15	20	54	3.93	−0.47	0.75	T.	10	18	0	13	w.	C. V. Lewis.
Clay	Clay	706	7	......	......	......	......	......	......	......	2.82	......	0.70	1.0	10	......	......	......	......	Mark King.
Cuba	Jackson	650	21	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Miss Faythe Howard.
Dam 19 O. R.	Wood	557	7	......	......	......	......	......	......	......	3.74	......	0.98	T.	11	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	7	......	......	......	......	......	......	......	4.24	......	1.07	0.1	15	......	......	......	......	Lockmaster.
Dam 22 O. R.	Jackson	538	8	......	......	......	......	......	......	......	3.00	......	0.65	......	8	......	......	......	sw.	Lockmaster.
Dam 26 O. R.	Mason	505	7	......	......	......	......	......	......	......	2.86	......	0.80	......	8	......	......	......	......	U. S. Engineer Office.
Gary	McDowell	1,426	7	41.6^{b}	......	74^{b}	4	14^{b}	31	43^{d}	4.49	......	0.85	T.	12	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	27	43.6	+ 0.3	75	3	13	20†	46	3.92	−0.15	1.31	3.0	9	16	3	12	w.	W. H. Gwinn.
Hinton	Summers	1,450	26	44.2	0	79	12	15	20†	51	3.42	−0.63	0.90	T.	9	11	0	20	n.	J. B. Lavender, C. E.
Huntington	Cabell	538	29	43.1	− 1.5	79	4	16	20	45	3.54	−0.80	1.06	0.5	11	17	0	14	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	4	......	......	......	......	......	......	......	3.37	......	0.90	......	9	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	7	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	23	41.8	− 0.2	73	12	10	20	42	4.40	+0.44	1.13	T.	10	17	4	10	nw.	Geo. T. Argabate.
Marlinton	Pocahontas	2,131	24	36.0	− 2.6	68	12	6	20	40	4.38	+0.02	1.64	2.0	10	11	13	7	sw.	S. L. Brown.
Organ Cave	Greenbrier	......	1	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	D. C. Humphreys.
Point Pleasant	Mason	553	30	44.4	− 1.0	71	3†	14	31	42	3.25	−0.88	0.92	T.	8	14	6	11	......	W. D. Holmes.
Powellton	Fayette	933	27	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	7	......	......	......	......	......	......	......	4.30	......	0.90	0.5	8	......	......	......	......	Raleigh Coal & Coke Co.
Robertsburg	Putnam	574	23	43.2	− 1.4	80	4	14	20†	52	3.23	−0.85	0.79	T.	11	15	0	16	......	M. Frazier.
Ryan	Roane	700	20	41.8	− 2.1	77	12	8	20	49	3.10	−1.22	0.61	1.9	12	10	7	14	......	Wm. E. Ryan.
Sharples	Logan	......	3	......	......	......	......	......	......	......	4.49	......	1.12	T.	7	......	......	......	......	C. E. Rippetoe.
Spencer	Roane	784	19	42.9	0	79	12	12	20	42	3.56	−0.38	0.69	T.	14	5	13	13	......	A. M. McKown.
Sutton	Braxton	839	17	42.8	− 2.8	77	12†	12	20†	48	3.28	−0.75	0.77	3.0	7	20	0	11	......	C. B. Eakle.
Union^{d}	Monroe	2,250	19	44.4	+ 1.4	75	13	10	20	56	3.71	−0.03	0.85	0.2	12	12	4	11	......	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	13	41.9	......	73	3	12	31	47	3.13	......	0.70	......	10	21	2	8	......	J. M. Ayres.
Williamson	Mingo	660	23	44.6	— 2.2	73	12	18	20	47	5.33	+0.73	1.35	T.	9	20	0	11	w.	J. F. Keyser.
Averages and	extremes	......	....	42.6	− 1.4	80	4	6	20†	56	3.69	−0.35	1.64	0.7	10	15	4	12	w.	
State averages and	extremes	......	....	41.7	− 0.8	82	12†	− 4	9	60	3.23	−0.61	1.64	3.2	10	15	5	11	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for March, 1923.

Stations.	Drainage basin.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac	.08	....	....	....	....	.47	.52	T.	....	.48	....	.18	....	.19	....	.26	T.	....	.19	T.	....	.14	.43	.29	....	T	....	....	....	....	.02	3.25
Brandywine	....do	T.	....	....	....	....	.75	....	....	....	T.	T.	.30	....	T.	....	.60	....	....	.20	....	....	T.	.25	....	....	....	....	....	....	....	....	2.10
Burlington	....do	....	....	....	....	....	.63	....	....	....	....	.55	....	....	....	....	T.	....	....	....	....	....	....	.30	....	....	....	....	....	....	....	....	1.48
Harpers Ferry ‖	....do	....	....	....	....	....	.20	.54	....	....	....	....	.18	.01	.21	....	....	.63	....	.09	....	....	....	.01	.38	....	T.	....	....	....	....	....	2.28
Inwood	....do	....	....	....	....	....	.89	....	....	....	....	....	.22	.11	....	....	.30	.26	....	....	....	....	.35	....	....	....	....	....	....	....	....	....	2.13
Moorefield	....do	T.	....	....	....	....	.80	....	....	....	....	....	.50	.01	....	.23	....	....	....	....	....	....	....	.50	....	....	....	....	....	....	....	....	2.04
Piedmont	....do	T.	....	....	....	....	.75	....	....	....	.15	....	.23	T.	.30	T.	....	....	T.	T.	....	....	T.	.15	T.	....	....	....	....	....	....	....	1.58
Romney	....do	T.	....	....	....	....	.70	....	....	....	....	.03	.25	....	.07	....	.07	.06	....	T.	....	....	....	.04	.44	....	....	....	....	....	....	....	1.66
Stony River Dam‖	....do	....	....	....	....	....	.32	.16	....	....	....	.30	.02	....	.08	....	....	....	....	....	....	....	.06	.50	.17	....	.03	....	....	....	....	....	1.64
Upper Tract	....do	....	....	....	....	....	.48	.10	....	....	T.	....	.15	....	T.	....	....	.15	....	....	....	....	....	....	....	....	....	....	....	....	....	....	0.88
Wardensville‖	....do	T.	....	....	T.	....	.40	....	....	....	T.	....	....	.05	T.	....	.15	.15	....	....	....	....	....	....	.20	....	T.	....	....	....	....	....	0.95
Northern Division.																																	
Bens Run	Ohio	....	....	....	....	....	.95	.17	....	....	.48	....	.34	....	....	....	.34	....	....	....	....	....	....	1.08	....	....	....	....	....	....	....	....	3.36
Bruceton Mills ‖	Monongahela	T.	....	....	.04	T.	.44	.16	.08	....	.33	....	.30	.10	.04	....	.28	....	....	.12	....	....	.69	.53	....	....	....	....	T.	....	T.	T.	3.11
Buckhannon	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Cairo	Little Kanawha	T.	....	....	.62	....	.88	.17	....	....	.51	T.	.45	T.	.10	....	.47	....	....	.03	.05	....	.40	.55	....	....	....	....	....	....	T.	....	4.23
Cheat Bridge ‖	Monongahela	.11	.04	....	....	....	.64	.60	.16	....	....	....	.55	....	.43	....	....	.50	....	....	.37	....	....	.69	.45	....	....	....	....	....	....	.08	4.62
Clarksburg ‖	....do	T.	.01	....	.03	....	.60	.28	T.	....	.09	.35	.26	T.	.09	....	.28	....	....	.05	.02	....	.12	.30	.48	....	....	....	....	....	....	....	2.96
Cortland ‖	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Creston ‖	Little Kanawha	T.	....	....	.03	....	.67	.25	T	....	.10	.37	.53	.05	.10	T.	.51	T.	....	.10	T.	....	.12	.32	.70	....	....	....	....	....	....	....	3.85
Dam 10, Mon. R.‖	Monongahela	....	.02	....	.03	....	.41	.52	.02	.02	.03	.52	.25	.02	.14	....	.08	.15	....	.08	....	....	.12	.40	.84	....	....	....	....	....	....	T.	3.65
Dam 12, O. R. ‖	Ohio	....	....	....	.03	....	.28	.68	....	....	.17	....	.28	....	.01	....	.07	....	....	....	....	....	.25	.40	.50	....	.04	....	....	....	.13	....	2.84
Dam 13, O. R. ‖	....do	....	....	....	.03	....	.46	.40	....	....	.24	....	.03	....	.01	....	.12	....	....	....	....	....	.19	.43	.26	....	.02	....	....	....	.03	.01	2.23
Dam 15, Mon. R.‖	Monongahela	....	....	....	.03	.02	.46	.30	.04	....	.08	.42	.35	....	.08	....	.12	.11	....	.06	.04	....	.08	.38	.56	....	....	....	....	....	....	.02	3.15
Davis ‖	....do	T.	.06	....	.10	.04	.08	.88	.12	....	.22	.64	.25	.04	.16	.08	....	.77	....	.05	.08	....	.05	.54	.47	....	T.	....	.07	....	T.	.06	4.76
Elizabeth ‖	Little Kanawha	....	....	....	....	....	.88	.15	....	....	....	.36	.32	....	....	....	.55	....	....	.03	....	....	.24	.18	.35	....	....	....	....	....	....	....	3.06
Elkins ***	Monongahela	.04	....	....	.04	....	.56	.43	T.	....	.39	.17	.20	.05	.06	....	.46	....	....	.20	....	T.	.22	.50	....	....	T.	....	....	....	T.	T.	3.32
Fairmont ‖	....do	T.	.02	....	T.	T.	.54	.36	.10	.10	.15	.40	.25	.02	.08	T.	.18	.11	....	.08	.04	....	10	.33	.59	....	....	....	T.	....	....	T.	3.45
Glenville ‖	Little Kanawha	T.	....	....	.16	....	.58	.32	....	....	.16	.33	.51	.06	.13	....	.24	T.	....	.10	.08	....	.04	.24	.41	....	....	....	....	....	....	....	3.36
Grafton ‖	Monongahela	....	....	....	....	....	....	.77	....	....	.72	....	....	....	....	....	.47	....	....	....	....	....	....	.68	....	....	....	....	....	....	....	....	2.64
Lost Creek	....do	T.	....	....	.03	....	.56	.19	....	....	.53	T.	.38	.03	.22	....	.30	....	....	.05	....	....	.11	.54	....	....	T.	....	....	....	....	....	2.94
Mannington	....do	.02	....	....	.04	.02	.67	.26	T.	....	.57	....	.27	.02	.05	....	.32	....	....	.07	T.	....	.54	.84	....	....	....	....	T.	....	T.	....	3.69
Morgantown	....do	....	....	....	....	....	.50	T.	T.	....	.65	....	.27	T	.10	....	.15	....	....	T.	....	....	.50	.77	....	....	....	....	....	....	....	....	2.94
Moundsville‖	Ohio	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
New Cumberland‖	....do	.02	....	....	.13	....	.12	.63	....	....	.20	.05	.24	....	.07	....	.11	....	....	....	....	....	.35	.09	.14	....	.05	....	....	....	....	....	2.20
New Martinsville	....do	T.	....	....	....	T.	.80	.30	T.	....	.55	....	....	....	.25	....	.30	....	....	....	....	....	.65	.50	....	....	....	....	T.	....	T.	T.	3.35
Parkersburg ***	Ohio	.01	....	.02	....	....	1.12	.02	....	....	.39	.16	.30	.03	....	T.	.37	....	T.	T.	....	T.	.69	.24	....	....	....	T.	....	....	T.	....	3.35
Parsons	Monongahela	....	....	....	T.	....	*	....	....	....	*	*	....	*	2.00	....	....	....	....	*	....	....	*	1.00	....	....	T.	....	....	....	....	....	3.00
Philippi	....do	.03	....	....	.16	....	.45	.07	....	....	.44	....	.22	.02	T.	....	.30	....	....	T.	....	....	.22	.62	T.	....	T.	....	....	....	....	T.	2.53
Pickens	....do	.24	....	....	....	....	.03	.48	....	....	.27	.38	.23	.07	.40	....	.85	....	....	.30	....	....	.87	1.13	.17	....	....	....	....	....	....	.08	5.50
Rowlesburg ‖	....do	....	....	....	.22	....	.45	.72	....	....	.12	.30	.30	....	....	....	.28	.12	....	.12	.12	....	....	.40	.44	....	....	....	....	....	....	....	3.59
Saint Marys ‖	Ohio	.02	....	....	.02	....	.68	.40	T.	....	.20	.28	.32	....	.09	....	.32	....	....	....	....	....	.43	.45	.30	....	....	....	....	....	....	....	3.51
Smithfield‖	Fishing Creek	T.	T.	....	.01	....	.90	.45	T.	....	.27	....	.33	.01	.09	....	.42	....	....	.03	....	....	.31	.72	.43	....	....	....	....	....	....	....	3.97
Terra Alta	Monongahela	.05	....	.05	.02	.12	.55	.02	.02	.04	.58	.19	....	.16	.01	.05	.23	....	.05	.02	....	.08	.38	.36	....	....	.01	.03	....	....	.01	....	3.03
Wellsburg	Ohio	....	....	....	.05	....	.75	.40	T.	....	.09	....	.21	....	T.	....	....	....	....	T.	....	....	.80	.45	....	....	.09	....	....	....	.05	T.	2.89
Weston	Monongahela	....	....	....	.11	....	.56	.18	....	....	....	.41	....	.02	.27	....	.40	....	....	.10	....	....	.28	.50	....	....	....	....	....	....	....	....	2.83
Wheeling ‖	Ohio	....	....	....	.03	T.	.38	.71	....	....	.21	T.	.30	....	.01	T.	.10	T.	....	T.	T.	....	.28	.58	.42	....	.05	....	.01	....	.13	T.	3.21
Southern Division.																																	
Bancroft ‖	Great Kanawha	....	....	....	.01	....	.61	.25	T.	....	....	.26	.60	....	.09	....	.45	....	....	.13	.01	....	.05	.19	.42	....	....	....	....	....	....	....	3.07
Beckley	....do	....	....	....	.06	....	1.36	.36	....	....	.26	.19	....	.55	....	....	.65	....	....	.20	....	....	.80	....	....	....	....	....	....	....	....	....	4.43
Bluefield	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Camden-on-Gauley‖	....do	T.	....	....	....	....	1.00	....	....	....	....	....	....	....	....	....	1.00	....	....	T	....	....	....	1.00	....	....	....	....	....	....	....	T.	3.00
Charleston ‖	....do	.04	....	....	T.	....	.64	.30	....	....	T.	.70	.75	....	T.	T.	.30	....	....	.22	.08	....	T.	.50	.40	....	....	....	....	....	....	....	3.93
Clay ‖	....do	....	T.	....	....	....	.70	.48	....	....	....	....	.18	....	.06	....	.30	.24	....	.16	.10	....	....	.30	.30	....	....	....	....	....	....	....	2.82
Cuba	Sand Creek	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Dam 19 O. R. ‖	Ohio	T.	....	....	.03	....	.98	.34	T.	....	.10	.30	.44	T.	.04	....	.44	....	....	T.	T.	....	.35	.38	.34	....	....	....	T.	....	....	T.	3.74
Dam 20 O. R. ‖	....do	.01	....	....	.03	....	1.07	.27	.02	....	.13	.33	.52	....	.13	....	.50	....	....	.05	.02	....	.29	.52	.35	....	....	....	....	....	....	....	4.24
Dam 22 O. R. ‖	....do	....	....	....	....	....	.65	.20	....	....	T.	.25	.65	....	.10	....	.50	....	....	T.	....	....	.20	T.	.45	....	....	....	....	....	....	....	3.00
Dam 26 O. R. ‖	....do	....	....	....	....	....	.80	.20	....	....	....	....	.65	....	....	....	.55	....	....	.08	....	....	.18	.15	.25	....	....	....	....	....	....	....	2.86
Gary ‖	Big Sandy	.08	....	....	....	....	.54	.85	T.	....	.04	.28	.26	....	....	....	.17	.66	.04	.47	....	....	....	.78	.32	....	....	....	....	....	....	....	4.49
Green Sulpr. Spgs.	....do	.08	....	....	....	....	1.31	.42	....	....	.30	.55	....	....	....	....	.08	....	.63	.08	....	....	.47	....	....	....	....	....	....	....	....	....	3.92
Hinton ‖	....do	T	....	....	T.	....	.50	.90	....	....	....	.16	.30	....	T.	....	.20	.44	....	.30	T.	....	....	.44	.18	....	....	....	....	....	....	....	3.42
Huntington ‖	Ohio	.04	....	....	T.	....	.80	.26	....	....	.01	....	.88	....	T.	....	.70	....	....	.10	.03	....	.16	.08	.48	....	....	....	....	....	....	....	3.54
Kanawha Falls‖	Great Kanawha	.05	....	....	....	....	....	.90	....	....	....	.26	.90	....	....	....	.25	....	....	.11	.05	....	....	.40	.45	....	....	....	....	....	....	....	3.37
Kayford‖	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lewisburg	....do	T.	....	....	....	....	1.13	.46	....	....	.06	.29	....	.07	....	....	.98	.26	....	.28	....	....	.27	.60	....	....	....	....	....	....	....	....	4.40
Logan	Guyandotte	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Marlinton	Great Kanawha	.10	....	....	.08	....	1.64	T.	....	....	.08	.42	....	.09	T.	....	.81	....	....	.30	....	....	.18	.68	....	....	....	....	....	....	T.	....	4.38
Organ Cave	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Point Pleasant	Ohio	T.	....	....	....	....	.92	.17	....	....	.28	.10	....	....	.02	....	.61	....	....	T.	T.	....	.40	.75	....	....	....	....	....	....	....	....	3.25
Powellton	Great Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Raleigh ‖	....do	.10	....	....	....	....	.90	.90	....	....	....	.40	.40	....	....	....	.30	....	....	.70	.60	....	....	T.	....	....	....	....	....	....	....	....	4.30
Robertsburg ‖	....do	....	....	....	....	....	.79	.20	....	....	....	.18	.50	.10	.03	....	.54	....	....	.09	....	....	.32	.06	.42	....	....	....	....	....	....	....	3.23
Ryan	....do	.04	....	....	T.	....	.61	.28	....	....	.27	.13	.56	.01	.06	....	.44	....	....	.13	....	....	.14	.43	....	....	....	....	....	....	....	....	3.10
Sharples ‖	Coal River	....	....	....	....	....	1.12	.82	....	....	....	.23	.73	....	....	....	.38	....	....	T.	T.	....	....	.79	.42	....	....	....	....	....	....	....	4.49
Spencer ‖	Little Kanawha	.04	T.	....	.05	T.	.60	.23	....	....	.10	.36	.69	.05	.06	....	.40	....	....	.08	T.	....	.08	.40	.42	....	....	....	....	....	....	....	3.56
Sutton	Great Kanawha	T.	....	....	....	T.	.72	.08	....	....	....	T.	.64	....	....	....	.77	....	....	.16	T.	....	.15	.76	....	....	....	....	....	....	....	T.	3.28
Union	....do	....	....	....	....	....	.50	.85	....	....	....	....	.29	.15	.04	....	.50	.58	....	.33	.01	....	.06	.31	.09	....	....	....	....	....	....	....	3.71
White Sulpr. Spgs.‖	....do	.01	....	....	.05	....	.68	....	....	....	.15	.60	....	.46	....	....	.70	....	.03	....	....	....	.20	.25	....	....	....	....	....	....	....	....	3.13
Williamson ‖	Big Sandy	....	....	....	T.	....	1.35	1.03	T.	....	....	.18	1.15	....	....	....	.38	.15	....	.06	T.	....	....	.63	.40	....	....	....	....	....	....	....	5.33

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

††† Probably incomplete.

Daily Temperatures for March, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	34	59	65	67	64	35	34	29	45	45	48	71	71	42	51	57	46	62	61	42	69	69	66	49	60	61	50	50	48	55	41	53.1
	Minimum	28	29	39	39	32	23	22	19	2	28	20	34	40	25	10	40	21	19	15	7	27	42	48	22	23	32	28	21	6	41	9	25.5
Brandywine	Maximum	42	51	74	70	58	60	40	39	48	54	47	75	70	56	52	57	60	57	45	44	65	67	75	64	60	67	60	54	50	68	47	57.3
	Minimum	25	21	35	40	28	25	24	22	12	30	27	34	35	32	20	30	31	29	24	11	25	56	54	31	23	32	24	32	11	30	13	27.9
Burlington	Maximum	42	67	73	75	69	37	38	36	42	51	48	72	72	47	53	62	57	64	52	44	67	72	75	57	65	63	60	55	48	65	32	56.8
	Minimum	28	36	35	48	36	29	28	26	8	29	22	36	46	34	20	41	26	21	23	16	23	45	46	35	25	34	30	31	10	28	17	29.4
Inwood	Maximum	42	68	74	74	60	36	35	33	38	53	49	64	56	45	46	62	52	58	52	41	61	69	78	63	61	62	62	42	63	54	....	55.1
	Minimum	28	29	41	45	34	24	26	27	14	28	29	34	36	36	21	40	29	25	24	15	25	46	36	28	38	25	30	13	32	17	....	29.2
Moorfield	Maximum	50	72	78	78	74	68	63	56	52	55	49	82	79	74	70	68	67	....	62	57	71	74	82	80	67	68	64	58	53	70	64	66.8
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Piedmont	Maximum	40	64	70	72	41	31	35	34	42	46	48	72	62	40	50	60	50	62	56	44	68	62	69	68	66	61	57	51	48	58	30	53.5
	Minimum	30	40	38	41	29	27	26	24	10	30	24	35	39	30	22	31	32	25	18	14	27	43	49	33	27	35	34	23	12	30	15	28.8
Romney	Maximum	52	70	77	75	40	34	38	38	52	53	51	74	51	40	58	63	55	66	41	48	71	69	75	58	65	65	61	42	61	63	....	57.0
	Minimum	29	33	45	53	36	25	25	24	11	25	23	34	39	33	21	37	27	24	39	14	22	34	42	32	26	39	29	32	10	23	14	29.0
Upper Tract	Maximum	56	65	70	70	48	65	45	48	50	54	60	76	75	70	53	54	60	64	64	48	49	56	70	70	68	65	....	....	....	60	40	59.8
	Minimum	25	25	40	36	30	24	30	30	12	18	21	28	32	32	33	30	21	21	21	14	18	28	36	35	26	25	....	....	....	20	14	25.9
Northern Division.																																	
Bens Run	Maximum	60	66	70	72	45	60	54	36	53	52	55	72	65	45	64	59	60	69	45	45	68	64	56	52	65	58	57	53	54	55	42	57.1
	Minimum	29	34	50	44	34	30	28	23	20	40	25	44	38	30	28	34	28	42	18	15	30	44	42	32	28	32	28	27	14	39	14	31.1
Buckhannon	Maximum	49	53	45	60	51	59	63	55	45	53	74	61	49	40	59	39	63	62	42	64	66	66	67	51	62	56	56	48	51	60	....	55.6
	Minimum	38	32	29	30	34	31	18	30	26	24	46	40	37	27	39	25	39	25	30	12	27	49	45	32	26	36	31	22	13	28	....	30.8
Cairo	Maximum	40	65	72	72	54	48	52	37	53	53	54	75	66	46	63	64	51	65	56	45	68	61	62	55	64	62	57	54	55	54	38	56.8
	Minimum	29	25	38	49	35	28	28	18	15	37	21	44	40	31	24	30	19	22	20	7	22	43	42	31	24	33	23	27	13	37	14	28.0
Clarksburg	Maximum	44	67	70	71	39	54	34	32	49	47	62	76	47	39	66	60	55	67	31	48	72	68	64	52	63	53	56	38	57	52	27	53.6
	Minimum	27	31	42	49	35	28	28	24	16	21	24	27	45	30	25	26	20	23	31	12	19	40	59	33	25	36	28	29	12	23	15	28.2
Creston	Maximum	42	69	72	73	52	54	54	37	55	55	50	75	74	50	54	65	50	65	61	45	69	67	67	54	64	63	58	57	56	56	49	58.5
	Minimum	30	27	42	51	36	29	29	18	16	38	24	41	41	32	26	35	20	24	21	14	23	41	44	32	25	34	24	29	15	37	15	29.5
Elkins	Maximum	32	63	69	69	36	49	46	30	51	47	48	74	56	38	54	58	48	65	55	46	68	67	65	47	62	56	54	46	52	58	22	52.6
	Minimum	29	31	51	36	28	28	22	19	13	32	24	17	36	25	20	27	24	26	11	10	26	44	35	29	25	33	31	16	10	20	10	26.4
Fairmont§	Maximum	37	63	72	71	35	50	37	35	49	45	58	74	47	35	64	56	49	63	37	40	65	61	60	53	64	53	55	42	50	49	29	51.5
	Minimum	30	31	33	38	35	27	27	23	19	19	24	27	42	32	25	28	24	25	30	13	15	30	45	31	27	32	27	26	13	16	14	26.7
Glenville	Maximum	40	72	78	75	68	55	53	41	60	58	51	78	76	48	67	66	58	70	68	50	74	68	67	55	68	68	60	60	59	61	52	62.1
	Minimum	30	26	38	50	35	27	28	21	16	36	24	41	42	33	23	35	20	23	29	13	23	45	45	32	25	32	25	29	14	46	14	29.4
Grafton§	Maximum	48	50	68	73	71	71	52	52	54	51	58	78	72	72	63	63	56	67	56	45	71	64	64	64	66	57	58	55	55	53	53	60.6
	Minimum	32	34	40	44	28	22	25	21	11	31	20	37	35	28	20	32	17	21	16	8	19	42	44	30	32	30	22	25	6	30	10	26.2
Lost Creek	Maximum	39	67	72	71	51	53	50	35	53	49	54	76	69	42	61	65	50	65	62	44	69	64	61	50	61	60	54	54	52	51	48	56.6
	Minimum	26	31	49	48	34	25	25	21	12	34	18	41	39	30	20	33	16	20	16	8	24	45	44	31	21	38	22	27	10	41	12	27.8
Mannington	Maximum	38	64	71	73	55	45	51	34	48	50	51	75	70	43	63	64	47	62	62	40	65	64	63	51	63	61	55	53	51	52	49	56.0
	Minimum	28	29	37	49	33	25	28	24	15	34	21	43	42	30	22	35	20	22	20	12	25	44	46	32	23	32	21	26	11	37	14	28.5
Morgantown	Maximum	37	62	70	71	..	45	48	31	47	50	55	77	66	41	60	64	46	62	58	40	65	65	62	49	62	58	54	52	50	50	45	54.7
	Minimum	31	33	52	44	....	27	25	22	17	39	26	44	40	28	26	33	22	28	16	11	38	47	43	30	28	37	27	22	10	34	13	29.8
New Cumberland§	Maximum	38	61	67	69	38	35	35	34	50	46	55	75	48	32	63	61	45	61	27	43	63	62	47	46	60	39	53	28	49	49	22	48.4
	Minimum	29	32	34	42	28	25	25	20	14	15	22	24	36	25	23	27	18	21	23	11	15	38	42	29	22	27	22	18	10	15	10	23.9
New Martinsville	Maximum	40	67	73	77	47	40	46	36	53	53	58	75	67	46	67	66	52	66	60	45	65	61	63	55	63	63	58	57	54	55	44	57.3
	Minimum	28	28	47	43	32	26	25	20	15	32	22	44	37	27	24	32	19	22	17	13	21	41	....	31	24	35	25	24	11	34	11	27.0
Parkersburg	Maximum	41	65	72	72	43	53	35	37	53	53	53	73	48	41	62	64	48	63	56	43	65	61	63	51	63	54	57	38	54	53	28	53.8
	Minimum	34	35	55	38	31	34	27	24	23	33	28	45	40	32	31	31	25	28	19	16	35	45	37	32	30	32	26	23	16	20	14	30.4
Parsons	Maximum	52	58	68	68	50	48	42	49	45	50	53	75	60	41	55	58	60	63	51	43	64	60	63	58	54	57	51	46	46	40	41	53.8
	Minimum	28	36	39	36	36	24	22	8	22	24	22	40	38	30	12	23	21	20	13	8	21	35	22	40	30	31	27	20	18	15	10	21.9
Philippi	Maximum	36	65	73	75	52	56	50	31	53	52	55	80	80	60	60	55	51	64	62	43	68	65	66	57	62	60	54	51	51	56	45	57.8
	Minimum	28	31	50	49	32	32	23	20	16	38	25	40	38	28	25	30	22	25	....	16	40	45	26	28	42	29	27	20	10	40	12	29.6
Pickens	Maximum	31	61	70	61	43	45	32	33	52	43	44	73	61	36	54	47	50	65	43	43	67	64	62	52	62	55	56	44	53	61	37	51.6
	Minimum	25	22	42	40	27	25	18	14	11	29	23	41	34	20	17	20	15	27	8	5	27	43	38	24	25	34	27	20	9	30	6	24.1
Terra Alta	Maximum	57	65	64	29	33	28	21	45	39	51	69	49	28	58	53	46	62	34	41	66	58	58	39	59	50	49	32	46	48	17	....	46.5
	Minimum	25	36	42	27	19	19	16	− 3	7	15	29	37	23	11	25	18	18	24	4	7	40	49	24	20	36	23	29	2	13	6	− 3	20.3
Wellsburg	Maximum	38	62	68	72	46	37	35	32	46	49	59	71	63	45	65	64	46	41	38	40	64	60	62	59	64	58	64	58	45	51	42	53.1
	Minimum	31	32	38	44	30	26	27	22	13	36	22	36	36	27	21	34	20	22	19	14	27	40	40	22	23	31	24	22	10	33	13	27.0
Weston	Maximum	39	67	73	72	60	55	52	34	54	51	51	76	72	41	59	61	50	65	62	45	70	67	67	52	65	62	60	51	53	53	48	57.8
	Minimum	31	33	52	51	35	30	27	23	18	28	25	45	41	33	38	35	23	26	20	13	28	48	46	32	27	41	29	30	15	45	14	31.7
Wheeling§	Maximum	39	67	72	74	38	40	39	40	50	53	59	74	46	35	67	60	54	70	29	44	72	63	53	54	64	40	59	36	52	55	....	53.3
	Minimum	30	33	35	42	33	30	25	22	15	19	25	29	36	28	25	30	20	20	25	12	12	40	45	30	25	32	23	20	12	13	11	25.7
Southern Division.																																	
Bluefield	Maximum	47	66	70	72	63	50	50	40	57	56	66	74	73	50	71	67	54	56	62	49	64	66	69	59	60	68	64	60	60	66	64	61.1
	Minimum	28	30	45	43	36	37	27	20	20	41	42	38	41	32	34	34	24	28	16	10	27	27	51	30	30	39	33	40	20	41	10	31.1
Charleston	Maximum	50	72	78	77	59	49	47	43	60	70	59	79	51	52	68	60	58	70	49	52	70	71	65	70	71	60	64	53	62	63	58	61.7
	Minimum	33	31	33	55	38	38	30	21	22	25	37	37	45	36	31	31	28	39	37	15	16	29	49	30	21	39	35	21	22	20	17	31.1
Gary§	Maximum	43	61	....	74	44	43	36	...	51	51	63	61	50	47	56	55	51	41	42	36	62	56	55	41	66	57	46	45	58	61	30	51.1
	Minimum	33	26	28	....	36	39	31	24	....	23	41	44	49	36	34	46	29	29	37	15	19	35	45	35	28	34	32	37	23	26	11	32.0
Green Sulphur Spgs.	Maximum	40	68	75	73	65	41	42	40	55	50	42	72	68	50	60	53	63	59	59	46	64	57	60	67	68	67	60	50	60	65	54	57.8
	Minimum	27	23	29	46	38	34	28	24	17	38	38	40	45	34	28	27	26	34	19	13	23	42	26	32	30	32	32	30	18	26	13	29.4
Hinton§	Maximum	38	72	78	75	49	42	43	46	60	51	50	79	52	56	61	58	58	67	45	54	68	57	66	59	72	71	65	52	64	68	34	58.4
	Minimum	29	26	27	35	40	38	31	22	20	22	40	40	48	37	32	35	29	29	30	15	17	28	43	34	29	31	31	35	21	20	15	30.0
Huntington§	Maximum	44	52	66	79	50	40	40	42	52	50	61	74	55	45	65	57	48	62	29	45	65	68	56	55	65	54	58	42	57	59	40	54.0
	Minimum	35	35	41	52	39	36	32	24	24	24	33	38	43	37	35	37	25	27	29	16	20	30	53	35	31	39	28	32	22	24	18	32.2
Lewisburg	Maximum	37	65	71	71	63	41	40	36	51	47	43	73	65	46	55	58	50	61	54	43	61	57	66	52	62	63	57	52	53	62	46	54.9
	Minimum	29	23	37	46	35	32	27	19	15	36	35	37	42	33	26	33	22	25	15	10	22	39	51	30	24	32	30	33	16	26	11	28.7
Marlinton	Maximum	34	58	66	64	48	32	34	28	41	42	32	68	60	38	44	52	44	56	42	36	58	58	60	46	56	58	52	44	46	58	30	48.0
	Minimum	22	20	30	36	30	28	22	18	10	28	22	32	34	24	24	32	20	18	12	6	18	34	44	26	20	26	44	22	12	22	8	24.0
Point Pleasant	Maximum	45	66	71	71	50	52	52	38	54	55	46	65	65	53	65	65	48	63	63	46	63	66	66	53	62	63	58	58	56	56	45	57.4
	Minimum	35	34	50	49	36	33	29	26	20	42	24	44	39	33	29	35	22	27	21	15	27	45	42	31	28	37	26	28	16	43	14	31.5
Powellton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Robertsburg§	Maximum	43	70	75	80	75	55	40	40	57	52	63	75	55	48	67	58	53	68	26	17	70	63	55	55	68	48	58	50	55	55	32	56.9
	Minimum	32	30	40	53	40	32	29	18	19	24	27	32	38	34	30	36	21	26	26	14	18	47	48	30	28	30	24	29	18	23	14	29.4
Ryan	Maximum	40	68	75	75	49	54	50	38	51	51	48	77	64	44	65	60	49	65	45	45	68	67	62	55	65	50	58	46	55	60	42	55.2
	Minimum	27	23	35	49	35	28	26	14	14	37	24	45	39	32	26	33	17	22	28	8	19	54	40	29	22	28	22	23	13	25	11	27.5
Spencer§	Maximum	58	60	72	72	40	52	36	37	53	48	57	79	46	42	62	56	49	64	35	45	67	65	61	62	63	49	57	45	54	59	29	54.0
	Minimum	30	30	52	60	35	30	28	19	17	37	25	38	41	33	27	42	20	27	29	12	25	45	60	30	25	40	25	28	16	44	14	31.8
Union	Maximum	46	65	71	....	72	48	44	40	63	55	....	74	75	49	55	60	53	....	63	43	63	65	68	56	....	66	65	60	55	65	67	59.5
	Minimum	26	29	39	....	35	33	27	19	16	40	...	36	44	32	28	43	24	....	19	10	23	40	52	29	....	25	29	39	17	29	11	29.4
White Sulphur Spgs§	Maximum	68	65	73	47	49	38	41	51	50	56	71	52	49	61	60	49	65	46	42	61	63	72	55	66	67	62	49	55	62	42	51	55.1
	Minimum	21	40	42	31	33	28	20	13	24	35	36	46	33	26	34	22	23	29	13	20	32	39	31	23	31	27	40	17	24	14	12	27.7
Williamson§	Maximum	40	68	71	71	48	53	40	40	53	53	62	73	56	48	65	58	49	63	35	48	66	62	61	54	65	63	58	45	58	60	30	55.4
	Minimum	36	30	30	46	41	40	34	26	26	26	43	43	55	38	38	45	29	29	32	18	19	30	50	35	33	38	34	34	26	26	19	33.8

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXXI. Parkersburg, W. Va., April, 1923. No. 4.

GENERAL SUMMARY.

April was characterized by nearly continuously cool weather, with the amount of sunshine considerably above the normal. It was the coolest April of State record since 1911, except in 1920. The lowest temperature of April State record, 4° below zero, occurred on the 1st. Owing to the lateness of the season, about 12 days, and to the favorable conditions for fruit during March, this cold weather caused but little damage, except in the extreme eastern counties, where peach, plum and pear bloom was killed in some localities. The amount of sunshine received was exceeded in only three Aprils of State record. The rainfall was only slightly below the April average and was favorably distributed over the State and throughout the month. The snowfall was unimportant and was mostly confined to the extreme northern portion of the State. At the close of the month the seeding of oats was practically completed, potato planting was well advanced, and the ground was being prepared for corn. Wheat was only in fair to poor condition, having been damaged by low temperatures.

PRESSURE.

The mean sea-level pressure at Parkersburg and Elkins was 30.02 inches. The highest and lowest readings observed were as follows: Parkersburg, 30.71 inches on the 1st, and 29.54 inches on the 5th. Elkins, 30.71 inches on the 1st, and 29.48 inches on the 28th.

TEMPERATURE.

The monthly mean for the State, determined from 49 stations, was 50.1°. The departure from the normal for 42 stations having ten or more years of record was —1.2°. The month opened exceptionally cold for the season, the lowest temperatures on the 1st ranging generally from near zero to about 15° above zero. Moderately cold weather also prevailed from the 9th to the 12th, 15th to the 19th, and the 24th to the 26th. The highest temperature occurred on the 3d-4th, 20th-22d, and 27th, with the highest for the month on the 21st and 27th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 71 per cent; 8 p. m., 50 per cent. The April averages for the same hours for the past 34 years are 75 and 62 per cent, respectively. Elkins, 8 a. m., 72 per cent; 8 p. m., 55 per cent. The April averages for Elkins for the same hours for the past 23 years are 79 and 64 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 72 stations, was 3.45 inches. The departure from the normal for 50 stations having ten or more years of record was —0.10 inch. The rainfall was heaviest over the central-western counties and lightest over the extreme eastern. Practically all the rainfall was received from the 3d to the 6th, 13th to the 15th, and on the 28th, the greatest amounts being measured on the 13th and 28th. There were scattered light showers on the 8th, 21st, and 22d. Snow flurries or light snow occurred in many localities of the extreme northern counties on the 5th, 8th, and 14-15th.

AUG 1 1923

HAIL.

Light hail fell in sections of Randolph, Ritchie, and Webster Counties on the 5th. No damage resulted.

WIND.

The average wind velocity at Parkersburg was 6.7 miles per hour, or 0.1 mile below the April average for 33 years. The average at Elkins was 6.9 miles per hour, or 1.7 miles above the April average for 23 years. The highest velocity at Parkersburg was 30 miles per hour from the west on the 22d, and at Elkins 31 miles per hour from the west on the 22d.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 59 per cent of the possible amount, or 12 per cent above the April average for 25 years. The average at Elkins was 61 per cent, or 17 per cent above the April average for 24 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bancroft, 11th, 18th, and 29th; Charleston, 20th; Davis, 8th; Marlinton, 29th; Rowlesburg, 7th, 11th, 24th, and 27th; Smithfield, 17th; Wheeling, 7th, 21st, and 27th; Terra Alta, 15th.

Hail: Cairo, Camden-on-Gauley, and Cheat Bridge, 5th.

Halo, lunar: Wheeling, 30th.

Halos, solar: Burlington and Ryan, 26th; Terra Alta, 3d and 7th.

Haze, light: Bayard, 21st, 24th, 27th, and 30th; Terra Alta, 25th, 26th, and 27th.

Sleet: Terra Alta, 13th; Bayard, Cheat Bridge, Davis, Marlinton, Stony River Dam, and Terra Alta, 14th.

Smoke, light: Pickens, 27th.

Thunderstorms (dates and number of stations reporting): 4th, 5; 5th, 12; 6th, 2; 13th, 1; 21st, 6; 28th, 5; 29th, 1.

COMPARATIVE DATA FOR APRIL.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	52.0	......	......	2.81	......	......	......	......	......	......
1892	50.6	87	17	4.28	......	......	......	......	......	......
1893	53.4	92	20	5.18	8.98	2.91	0.8	8	8	14
1894	50.6	90	14	3.32	5.30	1.97	1.6	12	8	10
1895	52.9	90	17	2.93	5.47	0.90	......	11	9	10
1896	57.7	95	12	2.06	4.35	0.82	......	13	12	5
1897	51.5	90	19	2.97	7.10	1.58	......	11	10	9
1898	48.0	86	2	3.14	4.86	1.40	......	10	9	11
1899	53.4	93	18	1.84	3.17	0.92	0.5	13	9	8
1900	51.8	88	16	1.35	2.08	0.43	T.	14	7	9
1901	47.5	95	18	7.05	10.70	2.50	6.0	10	4	16
1902	49.8	96	21	3.06	4.57	1.53	10.0	10	10	10
1903	51.3	91	8	4.47	7.30	2.29	0.4	11	8	11
1904	47.7	82	12	3.15	5.71	1.12	1.3	9	9	12
1905	52.2	89	14	2.78	5.57	1.10	1.5	11	9	10
1906	54.1	92	15	3.16	6.59	0.57	0 3	15	8	7
1907	45.6	92	10	3.49	6.66	1.42	6.1	8	8	14
1908	54.8	92	18	4.30	8.02	0.77	0.3	13	8	9
1909	53.0	93	10	5.04	8.57	1.70	2.4	10	11	9
1910	53.2	91	16	3.39	9.07	1.63	0.6	10	8	12
1911	49.5	88	6	4.29	7.00	0.83	1.5	9	8	13
1912	55.4	88	20	4.03	8.00	1.09	0.2	11	10	9
1913	52.4	92	12	2.99	5.48	1.61	0.1	14	6	10
1914	52.1	93	16	4.63	10.05	1.29	0.1	10	9	11
1915	55.5	101	10	1.93	5.69	0.10	T.	15	8	7
1916	50.5	90	17	3.07	5.70	1.25	4.3	9	7	14
1917	51.7	90	10	2 99	5.31	1.29	1.8	13	8	9
1918	50.3	85	18	5.11	9.14	1.83	10.4	9	7	14
1919	51.8	90	10	2.44	4 21	1.03	0.2	12	8	10
1920	49.7	91	15	4.91	7.26	1.64	1.2	8	7	15
1921	55.7	95	10	2.50	5.09	0.40	0.4	13	7	10
1922	54.4	91	15	3.15	6.76	0.50	0.1	13	7	10
1923	50.1	88	— 4	3.45	4.88	1.00	0.1	16	5	9
Means and extremes	51.8	101	— 4	3.49	10.70	0.10	1.9	11	8	11

Climatological Data for April, 1923.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	22	46.2	− 0.5	78	21	1	1	50	3.96	+0.11	1.23	2.0	10	16	1	13	sw.	U. G. Clark.
Brandywine	Pendleton	......	7	48.8	......	80	20†	4	1	51	2.35	......	......	0	5	19	4	7	sw.	Elmer Keister.
Burlington	Mineral	875	29	50.1	− 0.5	81	21	5	1	49	2.79	−0.04	0.98	0.5	5	19	5	6	e.	Mary Vandiver.
Harpers Ferry	Jefferson	244	34	......	......	......	......	......	......	....	2.83	−0.23	1.32	1.0	6	......	......	......	......	J. C. Newcomer.
Inwood	Berkeley	569	1	51.3^{a}	......	83^{a}	20	9^{a}	1	42^{a}	1.46	......	0.57	T.	6	20	3	7	w.	H W. Prettyman.
Moorefield	Hardy	900	27	......	......	85	21	......	......	59^{o}	2.64	−0.35	0.80	T.	6	24	2	4	......	M. S. Henkel.
Piedmont	Mineral	919	10	50.3	......	83	21	7	1	48	4.01	......	1.13	2.0	9	14	7	9	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	25	51.0^{a}	− 0.6	87^{a}	21	7	1	52^{a}	3.23	+0.21	1.82	0	5	14^{f}	4^{f}	6^{f}	......	Geo. E. Arnold.
Stony River Dam	Grant	......	3	......	......	......	......	......	......	....	2.83	......	1.66	0.8	7	8	10	12	w.	A. C. Becker.
Upper Tract^{b}	Pendleton	1,230	24	48.6	− 1.4	76	21†	6	1	54	1.00	−1.47	0.50	0	3	20	0	8	w.	J. M. Mallow.
Wardensville	Hardy	1,200	5	47.7^{d}	......	79^{d}	20	4^{d}	1	47^{d}	2.19	......	0.80	1.5	7	21^{a}	5^{a}	3^{a}	w.	Luther F. Sutton.
Averages and	extremes	......	....	49.2	− 0.8	87	21	1	1	59	2.66	−0.30	1.82	0.7	6	18	4	8	w.	
Northern Division.																				
Bens Run	Pleasants	622	21	51.4	− 0.8	82	21	12	1	44	3.80	−0.28	1.60	0	7	17	3	10	......	J. D. Riggs.
Bruceton Mills ††	Preston	1,549	3	......	......	......	......	......	......	....	6.08	+2.38	1.38	T.	10	5	15	10	sw.	W M. Wolf.
Buckhannon	Upshur	1,411	26	49.4	− 1.7	82	21	9	1	45	3.74	−0.52	1.04	0	6	20	1	9	......	H. A. Darnall.
Cairo	Ritchie	680	24	51.5	− 3.3	82	21†	7	1	49	4.01	+0.33	1.28	0	8	14	8	8	......	O C. Hess.
Cheat Bridge	Randolph	3,558	5	42.4^{a}	......	72^{a}	20†	− 4	1	50^{a}	3.36	......	0.81	1.0	10	21	2	7	......	H. F. Cromer.
Clarksburg	Harrison	1,015	1	50.8	......	82	21	7	1	49	4.61	......	1.82	0	9	15	8	7	w.	Clarksburg Water Board.
Cortland	Tucker	3,300	12	......	......	......	......	......	......	....	3.66	+0.14	2.00	0	4	11	5	14	......	G. W. Harmon.
Creston	Wirt	701	21	51.7	− 1.3	82	21	9	1	50	4.26	+0.25	1.78	0	9	12	2	16	w.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	2	......	......	......	......	......	......	....	4.88	......	2.07	0	9	......	......	......	s.	Lockmaster.
Dam 12 O. R.	Ohio	614	7	......	......	......	......	......	......	....	3.63	......	0.90	0	9	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	605	7	......	......	......	......	......	......	....	3.26	......	0.83	0	8	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	2	......	......	......	......	......	......	....	4.20	......	1.78	0	8	......	......	......	w.	Lockmaster.
Davis	Tucker	3,093	14	......	......	......	......	......	......	....	4.41	+0.44	1.64	T.	11	14	5	11	w.	Ross C. Male.
Elizabeth	Wirt	646	11	......	......	......	......	......	......	....	4.01	+0.04	1.14	0	8	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	22	48.0	− 0.7	79	21	5	1	47	3.20	−0.09	1.29	T.	11	10	8	12	w.	U. S. Weather Bureau.
Fairmont	Marion	883	17	48.6	− 3.2	81	21	10	1	48	3.50	+0.02	1.47	T.	9	21	0	9	w.	Creed E. Bolyard.
Glenville	Gilmer	738	29	53.2	− 0.2	85	21†	8	1	53	3.52	−0.22	1.65	0	9	18	5	7	w.	Howard R. Brannon
Grafton	Taylor	1,000	30	50.3	− 1.3	86	21	2	1	56	4.10	+0.33	2.00	0	4	17	1	12	s.	W. A. Williams.
Lost Creek	Harrison	1,026	25	49.4	− 0.8	76	21†	3	1	50	3.81	+0.45	1.23	0	7	14	8	8	w.	Allen Smith.
Mannington	Marion	974	20	49.4	− 1.8	82	21	6	1	48	4.48	+0.51	1.57	0	11	14	6	10	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	30	51.0	− 0.2	83	21	6	1	38	3.87	+0.52	1.34	0	6	3	12	15	w.	Prof. E L Andrews.
Moundsville	Marshall	642	20	......	......	85^{p}	20†	......	......	....	......	......	......	......	......	......	......	......	......	G. W. Wright.
New Cumberland	Hancock	987	25	47.0	− 2.3	82	21	5	1	53	3.06	−0.30	1.05	0	10	15	5	10	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	29	51.2	− 1.8	85	21	6	1	50	3.85	+0.26	1.30	0	7	17	4	9	s.	Wm. Ankrom.
Parkersburg	Wood	638	36	52.6	− 0.5	81	27	15	1	40	3.47	+0.56	1.33	0	8	11	9	10	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	23	47.5^{e}	− 1.2	84^{d}	27	0^{e}	1	54^{e}	3.50	−0.35	1.25	0	5	10^{e}	9^{e}	6^{e}	......	J. W. Swisher.
Philippi	Barbour	1,149	26	51.4	+ 0.2	82	21	6	1	42	3.12	−0.81	0.81	0	9	13	3	14	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	20	47.7	− 0.6	78	20	2	1	52	3.62	−1.42	0.87	T.	10	17	6	7	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	36	......	......	......	......	......	......	....	3.90	−0.11	1.00	0	8	......	......	......	w.	J. F. Pierce.
Saint Marys	Pleasants	577	14	......	......	......	......	......	......	....	4.24	+0.34	1.20	0	8	......	......	......	sw.	Wm. Hughes.
Smithfield	Wetzel	835	17	51.0	0	86	20†	7	1†	62	4.60	+0.70	1.60	0	11	19	6	5	se.	G. M. Whisler.
Terra Alta	Preston	2,612	22	46.2^{i}	− 1.0	73^{i}	20	11^{h}	1	50^{j}	4.86	+0.84	1.81	1.3	16	11	6	13	w.	J. J. Shanahan.
Wellsburg	Brooke	1,225	22	48.8	− 0.2	83	21	5	1	48	3.52	+0.41	1.10	0	11	16	7	7	w.	George P. Pfister.
Weston	Lewis	1,026	27	52.1	− 0.4	82	21	10	1	47	3.18	−0.87	0.85	0	9	17	6	7	......	Weston State Hospital.
Wheeling	Ohio	645	36	50.0	− 2.1	84	20†	8	1	53	3.69	+0.56	1.06	0	9	19	4	7	w.	Miss M. B. Forsyth.
Averages and	extremes	......	....	49.7	− 1.1	86	20†	− 4	1	62	3.85	+0.06	2.07	0.1	9	15	5	10	w.	
Southern Division.																				
Bancroft	Putnam	574	19	49.6	− 3.9	77	20†	12	1	47	3.06	−0.77	1.01	0	8	15	4	11	se.	E. H. Marrow.
Beckley ††	Raleigh	2,440	23	49.0	− 0.7	77	24	8	1	35	3.28	−0.66	1.00	0	4	21	3	6	......	E. E. Phipps.
Bluefield	Mercer	2,558	28	54.2	+ 1.0	79	27†	10	1	58	2.90	−0.48	1.10	0	7	23	1	6	......	Norfolk & Western Ry
Camden-on-Gauley	Webster	2,062	8	......	......	......	......	......	......	....	3.60	......	1.00	0	4	12	0	18	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	20	54.9	− 1.7	85	21†	18	1	53	2.99	−0.74	1.00	0	7	20	2	8	w.	C. V. Lewis.
Clay	Clay	706	7	......	......	......	......	......	......	....	2.77	......	0.70	0	6	......	......	......	......	Mark King.
Dam 19 O. R.	Wood	557	7	......	......	......	......	......	......	....	3.93	......	1.32	0	10	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	7	......	......	......	......	......	......	....	3.61	......	1.28	0	7	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	7	......	......	......	......	......	......	....	4.42	......	1.50	0	8	......	......	......	sw.	U. S. Engineer Office.
Gary^{a}	McDowell	1,426	7	48.6	......	77	7	13	1	40	3.05	......	1.35	0	7	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	27	50.6	− 0.2	81	27	9	1	47	3.61	+0.18	1.04	0	6	15	6	9	w.	W. H. Gwinn.
Hinton	Summers	1,450	26	52.9	0	84	20†	12	1	50	3.33	+0.05	1.00	0	8	17	0	13	n.	J. B. Lavender, C. E.
Huntington	Cabell	538	29	52.8	− 1.2	80	21†	17	1	45	3.56	−0.16	1.98	0	6	15	3	12	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	4	......	......	......	......	......	......	....	3.16	......	1.50	0	7	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	7	......	......	......	......	......	......	....	2.89	......	0.91	0	8	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	23	49.4	− 0.7	79	27	7	1	45	3.38	−0.06	1.12	0	7	14	10	6	nw.	Geo. T. Argabate.
Marlinton	Pocahontas	2,131	24	44.4	− 2.7	74	27	4	1	46	4.31	+0.97	1.12	0	7	12	13	5	sw.	S. L. Brown.
Organ Cave	Greenbrier	......	1	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	D. C. Humphreys.
Point Pleasant	Mason	553	30	52.6	− 2.3	80	20†	12	1	45	3.58	+0.24	1.57	0	10	8^{i}	4^{i}	9^{i}	......	W. D. Holmes.
Powellton	Fayette	933	27	......	......	......	......	......	......	....	1.52	−2.15	......	0	......	......	......	......	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	7	......	......	......	......	......	......	....	3.90	......	0.90	0	8	......	......	......	......	Raleigh Coal & Coke Co.
Ravenswood (Dam 22)	Jackson	538	8	......	......	......	......	......	......	....	3.12	......	1.33	0	7	......	......	......	......	Lockmaster.
Robertsburg	Putnam	574	23	51.8	− 1.1	85	21	10	1	58	4.08	+0.34	1.13	0	9	19	0	11	......	M. Frazier.
Ryan	Roane	700	20	49.2	− 3.2	84	21	6	1	52	2.85	−1.00	1.29	0	8	13	4	13	......	Wm. E. Ryan.
Sharples	Logan	......	3	......	......	......	......	......	......	....	2.35	......	0.84	0	5	......	......	......	......	C. E. Rippetoe.
Spencer	Roane	784	19	50.6	− 1.9	80	27	9	1	45	3.32	−0.31	1.22	0	7	13	10	7	......	A. M. McKown.
Sutton	Braxton	839	17	50.4	− 2.7	88	21†	8	1	52	3.63	−0.56	1.12	0	6	24	0	6	......	C. B. Eakle.
Union	Monroe	2,250	19	52.0^{e}	+ 1.4	80^{e}	27	9^{e}	1	49^{g}	3.03	+0.14	0.93	0	8	17^{d}	1^{d}	8^{d}	......	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	13	51.0	− 0.2	80	26	16	1	49	2.99	−0.99	1.05	0	6	17	1	12	......	J. M. Ayres.
Williamson	Mingo	660	23	53.2	− 1.8	78	20†	18	1	45	3.27	−0.62	1.20	0	7	23	1	6	w.	J. F. Keyser.
Averages and	extremes	......	....	51.1	− 1.3	88	21†	4	1	58	3.29	−0.30	1.98	0	7	16	4	10	w.	
State averages and	extremes	......	....	50.1	− 1.2	88	21†	− 4	1	62	3.45	−0.10	2.07	0.1	8	16	5	9	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for April, 1923.

Stations.	Drainage-basin.	Day of month.																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac				.06	.32	.32		.01					1.23	.69	.47	T.						.16		T.				.36	.34	T.		3.96
Brandywine	do				T.	.30								*	*	1.65													.40				2.35
Burlington	do				T.	.35								.93	.98	.18													.35				2.79
Harpers Ferry ‖	do				T.	.07	.39								1.32	.37								.01						.67			2.83
Inwood	do					.57								.09	.05	.18													.16	.41			1.46
Moorefield	do				.11	.34								.80	.76	T.	.23												.40				2.64
Piedmont	do				.10	.29	.06							.94	1.00	.45	T.						T.						1.13	.03	.01		4.01
Romney	do					.12	.47								1.82	.37														.45			3.23
Stony River Dam‖	do					.20	.35							.10	1.66	.06														.41	.05		2.83
Upper Tract	do				T.									.50	.40														.10				1.00
Wardensville‖	do			T.	.35	.35								.80	.26	.09													.20	.14			2.19
Northern Division.																																	
Bens Run	Ohio			.12	.38	.32			.02					.33	1.03														1.60				3.80
Bruceton Mills ‖	Monongahela			.08	.35	.60	.81		T					.94	1.25	.47	.07	T.	T.			T	.13						1.38	T.			6.08
Buckhannon	do			.10	.70			.25	T.					1.04	.85							T.							.80				3.74
Cairo	Little Kanawha			.15	.20	.45	.01		.04		T.			.95	.93		T.	T.											1.28	T.			4.01
Cheat Bridge ‖	Monongahela				.18	.17	.81			.04				.46	.70	.13	.11												.05	.71			3.36
Clarksburg ‖	do				.17	.20	.48							.12	1.82	.18	.02						T.						.19	1.43			4.61
Cortland ‖	do								.10					2.00	.90															.66			3.66
Creston ‖	Little Kanawha				.30	.24	.11		.03					.45	1.05	.30													.15	1.63			4.26
Dam 10, Mon. R.‖	Monongahela				.08	.30	.49							T.	2.07	.53	.03						.04						.02	1.32			4.88
Dam 12, O. R ‖	Ohio				.38	.40	.10		.02						.90	.85	.01												.32	.65			3.63
Dam 13, O. R ‖	do				.22	.60	.09		.04						.83	.60													.34	.54			3.26
Dam 15, Mon. R.‖	Monongahela				.03	.08	.30							.02	1.78	.50							.02							1.47			4.20
Davis	do				.12	.14	.99			.04				.05	1.64	.43	.07						.22							.69	.02		4.41
Elizabeth‖	Little Kanawha				.21	.75	.05							.42	1.14	.22													.12	1.10			4.01
Elkins***	Monongahela			.10	.08	.56	.01		.02					1.23	.29	.04	.06					T.							.78	.03			3.20
Fairmont ‖	do				.08	.06	.32		T.	T.				T	1.09	.43	.03		T.	T.			.02						.23	1.24	T.		3.50
Glenville ‖	Little Kanawha				.08	.26	.14		.03					.20	.83	.33													.05	1.60			3.52
Grafton‖	Monongahela						.75							.75															2.00	.60			4.10
Lost Creek	do			.03	.10	.58	T.		T.		T.			.62	1.01	.24	T.												1.23		T.		3.81
Mannington	do			.09	.07	.28	.13		T.					.45	1.38	.43	.02						.02						1.57	.04			4.48
Morgantown	do			T.	.26	.42								.55	1.34	.20	T.												1.10				3.87
Moundsville‖	Ohio																						.08						.55	.50			+++
New Cumberland‖	do				.26	.36	.06		.05						1.05	.64	.16												.26	.19	.03		3.06
New Martinsville	do			.20	.10	.35								.40	1.25	.25													1.30				3.85
Parkersburg***	Ohio			.11	.25	.29		T.	.02		T.			1.04	.57	.03	T.					T.							1.16				3.47
Parsons	Monongahela			.25									1.25	1.00	.25							T.							.75				3.50
Philippi	do			.02	.11	.53	.01		T.					.68	.81	.22	T.	T.				T.							.68	.06			3.12
Pickens	do			.25	.48	.49	.25		.13					.82	.25	.05							.03						.87				3.62
Rowlesburg ‖	do				.20	.15	.85							.15	1.00	.56							.09							.90			3.90
Saint Marys ‖	Ohio				.45	.47	.10							.03	1.17	.32													.50	1.20			4.24
Smithfield‖	Fishing Creek				.20	.15	.44		.10					.04	1.60	.62	.01						.02						.41	1.01			4.60
Terra Alta	Monongahela			.30	.34	.73		.01	.01		.01		.07	1.81	.34	.05		T.	.01			.01		.01				.01	1.14	.01			4.86
Wellsburg	Ohio			.21		.75	.05		.05					.34	1.10	.22	.05	.05					.05						.65				3.52
Weston	Monongahela			.10	.17	.72			.02					.80	.85	.08													.40	.04			3.18
Wheeling ‖	Ohio				.32	.56	.07		.03						.87	.77	.01	T.					T.						.42	.64			3.69
Southern Division.																																	
Bancroft ‖	Great Kanawha				.12	.63	.05							1.01	.46	.22													.03	.54			3.06
Beckley	do					.45								1.00	.93														.90				3.28
Bluefield	do				.35	.18	.18							.67	.30	.12													1.10				2.90
Camden-on-Gauley ‖	do			.80		1.00								.80															1.00				3.60
Charleston ‖	do				.15	.30	.27	T.	T.				T.	1.00	.48	.15														.64	T.		2.99
Clay ‖	do					.07	.60							.60	.70	.20														.60			2.77
Cuba	Sand Creek																																
Dam 19 O. R. ‖	Ohio				.18	.44	.20		.01			T.		.16	1.32	.42	.02	T.					T.						.40	.78			3.93
Dam 20 O. R. ‖	do					.44	.10							.21	1.28	.32													.25	1.01			3.61
Dam 26 O. R. ‖	do				.15	.36	.10							.45	1.50	.28													.18	1.40			4.42
Gary ‖	Big Sandy					.03	.01							.52	.36	.56													.22	1.35			3.05
Green Sulpr. Spgs.	do				.30	.52	.16						.87	1.04															.72				3.61
Hinton ‖	do				.08	.28	.22		T.					.76	.36	.47													.16	1.00			3.33
Huntington ‖	Ohio				.08	.58								1.00	.98	.32													T.	.60			3.56
Kanawha Falls‖	Great Kanawha				.10	.15	.30							.56	.42	.13														1.50			3.16
Kayford‖	do				.12	.12	.55			T.				.54	.42	.13									T.				.10	.91			2.89
Lewisburg	do			T.	.59	.31			.06					1.12	.37														.91	.02			3.38
Logan	Guyandotte																																
Marlinton	Great Kanawha			.38	.14	1.12			T.					.94	.91	.16													.66				4.31
Organ Cave	do																																
Point Pleasant	Ohio			.05	.21	.36	.05		.02					1.57	.30	.03													.94	.05			3.58
Powellton	Great Kanawha			*	*	*	*	.07						*	.44	.04													*	*	.97		1.52
Raleigh ‖	do			T.	.10	.70	.60						T.	.20	.90	.30					.65	.45											3.90
Ravenswood (Dam 22	Ohio				.12	.30	.10							.20	1.33	.22													T.	.85			3.12
Robertsburg ‖	Great Kanawha				.15	.56	.02							.68	1.13	.35	.02												.18	.99			4.08
Ryan	do			.15	.05	.23			.02					1.29	.43	.02													.66				2.85
Sharples ‖	Coal River				.37	.25								.24	.84														T.	.65			2.35
Spencer ‖	Little Kanawha				.11	.28	.06							.22	1.22	.33														1.10			3.32
Sutton	Great Kanawha			.12	.28	.75								1.12	.88														.48				3.63
Union	do				.20	.65	.05							.93	.13		.08												.53		.46		3.03
White Sulpr. Spgs ‖	do			.08	.42	.52								.78	.14														1.05				2.99
Williamson ‖	Big Sandy				.05	.40	.10		T.					.56	.33	.63													T.	1.20			3.27

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

+++ Probably incomplete.

Daily Temperatures for April, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	40	63	63	65	63	56	74	74	47	53	63	68	66	45	42	49	46	48	66	75	78	75	65	56	60	67	77	75	59	60	....	61.3
	Minimum	1	16	22	49	47	32	24	30	25	25	22	26	36	28	25	31	33	30	36	43	30	49	47	24	27	24	27	46	40	42	....	31.2
Brandywine	Maximum	47	61	67	69	65	72	74	70	55	60	68	72	57	48	47	57	55	54	70	80	76	74	70	60	67	72	80	74	70	65	....	65.2
	Minimum	4	20	27	40	30	35	23	38	27	22	24	35	40	25	28	30	30	25	37	36	40	52	50	29	30	27	35	47	45	38	....	32.3
Burlington	Maximum	40	64	71	72	62	61	74	70	52	61	69	73	72	48	38	54	54	57	70	79	81	75	68	63	67	67	79	75	65	67	....	64.9
	Minimum	5	17	22	43	49	35	27	40	32	28	27	34	42	32	29	32	30	27	30	61	36	54	55	29	35	30	33	54	45	45	....	35.3
Inwood	Maximum	39	60	71	74	69	62	73	68	52	64	70	74	68	46	40	58	56	57	72	83	82	...	76	64	68	66	78	74	64	66	....	65.3
	Minimum	9	18	32	49	48	35	38	31	31	31	34	44	42	31	28	30	34	31	32	49	42	...	54	34	44	32	56	54	48	40	....	37 3
Moorfield	Maximum	57	67	72	74	66	65	79	75	67	62	73	79	77	68	61	60	57	61	75	81	85	80	76	67	70	73	84	80	67	70	....	70.9
	Minimum	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Piedmont	Maximum	39	64	70	71	64	60	78	68	54	60	68	72	64	48	35	51	53	55	72	80	83	78	67	63	66	68	79	68	64	67	....	64.3
	Minimum	7	20	29	49	51	37	30	35	31	30	29	37	43	31	28	33	34	29	33	52	40	53	54	30	35	32	35	54	45	44	....	36.3
Romney	Maximum	43	67	72	74	61	63	79	68	56	63	72	74	49	35	41	56	55	58	72	83	87	75	63	66	69	71	84	72	65	....	....	65.3
	Minimum	7	17	38	46	48	38	27	51	30	28	29	39	43	32	27	30	34	30	32	52	39	54	53	29	37	31	35	53	45	45	....	36.6
Upper Tract	Maximum	60	60	62	68	68	....	....	63	63	63	68	68	63	49	48	49	54	68	69	75	76	76	76	68	70	72	74	74	73	72	....	66.0
	Minimum	6	15	20	40	39	....	....	25	28	29	30	38	28	28	28	33	33	30	39	38	40	36	30	30	30	30	30	38	45	40	...	31.3
Northern Division.																																	
Bens Run	Maximum	44	56	64	68	67	59	76	69	52	59	69	73	55	52	63	59	54	60	73	79	82	74	68	68	70	74	81	75	65	70	....	65.9
	Minimum	12	21	37	52	40	36	32	35	29	32	31	34	48	39	39	41	34	30	33	40	42	44	36	36	36	37	38	55	44	46	....	37 0
Buckhannon	Maximum	42	64	67	60	67	75	59	55	48	52	65	70	62	55	60	52	51	55	59	76	82	79	68	60	69	68	79	69	62	67	....	63.2
	Minimum	9	21	34	30	36	30	29	34	30	36	28	37	47	40	40	40	33	35	33	38	40	50	49	38	36	32	37	45	41	42	...	35.7
Cairo	Maximum	46	67	59	70	67	61	76	74	52	58	70	75	67	65	64	59	54	59	74	80	82	72	68	62	69	73	82	74	76	70	....	67.5
	Minimum	7	19	28	50	50	36	27	35	25	27	26	35	45	43	41	38	30	26	30	33	37	50	43	35	33	32	33	52	56	42	....	35.5
Clarksburg	Maximum	49	67	67	70	60	59	77	51	52	56	66	72	54	55	62	48	53	56	71	79	82	72	67	63	66	71	80	75	64	67	....	64.4
	Minimum	7	18	33	53	53	35	29	44	30	29	27	37	46	44	38	40	34	28	31	37	38	54	51	40	31	33	33	51	41	47	....	37.1
Creston	Maximum	59	67	65	69	66	63	76	74	53	57	68	72	67	53	61	58	55	58	71	79	82	75	67	65	70	73	80	73	65	69	....	67.0
	Minimum	9	20	34	50	51	37	29	34	26	28	28	36	49	46	43	38	32	29	33	35	40	45	50	35	32	34	35	45	44	45	....	36.4
Elkins	Maximum	42	64	66	66	63	54	74	63	47	54	63	69	54	46	58	49	49	52	66	75	79	69	62	57	60	68	78	66	59	62	....	61.1
	Minimum	5	21	42	53	39	32	27	29	27	27	28	32	42	35	36	37	35	34	32	35	36	51	45	35	30	30	34	50	41	45	....	35.0
Fairmont§	Maximum	41	63	66	69	58	59	73	57	53	58	67	72	58	44	59	57	53	53	71	73	81	73	63	63	63	70	78	59	63	67	....	62 8
	Minimum	10	15	27	43	52	33	30	39	28	29	29	33	35	38	35	38	33	29	31	35	41	44	49	36	32	35	36	35	40	45	...	34.5
Glenville	Maximum	50	71	71	72	67	65	81	80	58	61	58	72	78	60	67	66	56	58	75	84	85	80	77	70	72	79	85	80	66	73	....	70.6
	Minimum	8	18	35	50	50	36	28	36	25	26	29	30	42	46	40	38	32	29	31	34	38	52	50	33	30	32	34	55	42	48	....	35.9
Grafton§	Maximum	45	66	69	72	60	60	72	78	78	58	68	72	68	68	62	62	60	54	72	74	86	77	77	66	68	72	82	80	78	70	....	69.1
	Minimum	2	10	32	52	48	33	50	34	24	26	24	30	42	34	33	37	29	23	25	34	31	34	32	30	34	25	31	38	36	32	....	31.5
Lost Creek	Maximum	44	64	65	66	58	60	75	74	52	54	66	74	69	52	60	59	54	57	70	74	76	76	68	65	66	74	69	68	64	66	. ..	64.6
	Minimum	3	15	43	51	48	33	25	33	24	24	22	34	42	48	37	37	30	25	28	35	35	52	45	37	27	28	29	53	38	45	....	34.2
Mannington	Maximum	40	64	66	69	63	57	74	73	49	56	67	71	66	49	60	58	53	56	71	79	82	74	68	63	65	69	79	76	6[illegible]	67	....	65.0
	Minimum	6	18	30	52	51	32	27	35	27	27	24	32	42	36	35	40	28	25	28	34	35	43	48	30	30	30	31	53	40	47	....	33.9
Morgantown	Maximum	39	63	66	69	59	55	73	70	49	56	66	70	65	50	56	51	51	54	70	77	83	77	66	61	64	69	78	73	63	66	...	63.6
	Minimum	6	28	47	53	54	33	36	33	28	31	32	33	47	32	33	38	34	30	32	53	51	52	48	34	33	35	43	55	44	46	....	38.5
New Cumberland§	Maximum	39	64	60	55	65	61	72	46	49	54	67	67	50	42	61	48	52	59	73	79	82	68	64	60	65	70	79	60	62	68	....	61.4
	Minimum	5	11	34	45	39	30	30	34	25	29	27	29	35	33	34	36	30	26	26	33	38	42	49	31	35	32	37	41	44	39	....	32.6
New Martinsville	Maximum	44	68	66	71	69	62	76	72	54	57	70	74	68	63	64	60	55	60	74	80	85	74	70	65	74	75	83	75	63	72	. .	68.2
	Minimum	6	20	34	50	49	31	28	33	27	28	25	33	43	35	35	39	29	26	29	32	38	41	47	33	33	32	33	53	41	44	...	34.3
Parkersburg	Maximum	43	65	62	68	67	60	75	68	51	56	68	72	58	49	63	50	55	60	73	80	80	72	64	62	65	70	80	65	63	69	...	61.6
	Minimum	15	28	44	54	40	37	36	33	30	34	32	40	49	43	44	41	36	33	37	45	49	54	50	41	39	43	41	53	47	48	...	40.5
Parsons	Maximum	42	60	71	....	....	....	75	63	52	60	67	72	58	50	55	50	52	65	68	79	83	....	58	63	65	73	84	63	65	63	. .	63.7
	Minimum	0	26	40	....	....	....	30	30	25	27	23	26	35	33	32	32	33	....	28	31	45	....	37	35	26	24	30	49	40	45	...	31.3
Philippi	Maximum	43	64	68	68	63	57	76	74	49	57	66	71	68	54	60	59	50	52	68	76	82	75	69	61	64	70	79	74	63	65	...	64.8
	Minimum	6	27	45	54	52	33	36	32	28	30	32	35	48	35	35	38	35	31	34	47	48	54	49	38	31	34	42	57	44	31	....	38.0
Pickens	Maximum	46	65	63	62	60	55	73	63	51	57	64	72	61	56	58	47	50	50	75	78	75	72	67	60	60	69	77	68	58	62	....	62.5
	Minimum	2	23	38	49	43	28	28	25	22	24	26	30	43	35	35	33	28	27	35	43	46	46	45	28	25	28	25	39	49	39	....	32.9
Terra Alta	Maximum	61	62	63	53	53	71	....	....	....	....	....	...	...	....	39	43	44	58	61	73	62	48	52	57	65	71	60	52	57	....	....	57.4
	Minimum	11	34	46	49	29	25	49	....	....	....	....	....	....	....	....	30	25	31	41	33	48	44	25	31	24	30	52	41	40	30	....	34.9
Wellsburg	Maximum	40	64	61	63	64	59	73	68	55	53	67	69	66	50	64	56	54	66	73	79	83	69	66	65	69	69	79	74	62	69	....	65.0
	Minimum	5	23	28	30	46	31	38	29	35	21	24	30	39	35	35	38	28	27	25	37	36	43	43	27	27	28	33	52	38	43	...	32.5
Weston	Maximum	44	66	68	69	60	59	77	72	55	58	68	73	69	54	61	59	54	55	71	78	82	74	70	58	66	72	81	76	66	67	....	66.1
	Minimum	10	22	46	47	51	36	30	35	30	29	28	38	47	41	40	39	36	31	33	38	42	55	51	38	31	35	36	58	43	47	....	38 1
Wheeling§	Maximum	46	68	64	60	69	65	77	44	55	56	71	75	53	45	66	51	58	61	77	84	82	73	66	69	72	74	84	68	68	72	....	65.8
	Minimum	8	15	34	50	45	30	30	32	25	32	27	33	40	36	34	37	30	27	29	39	40	47	45	31	31	36	36	43	38	44	....	34.1
Southern Division.																																	
Bluefield	Maximum	68	62	62	64	62	62	72	69	63	74	68	74	72	68	64	66	64	62	71	75	68	70	65	72	69	75	79	79	79	69	...	68.9
	Minimum	19	20	44	48	50	35	36	25	35	37	33	36	50	31	30	32	32	33	40	44	50	48	50	50	38	37	54	56	56	46	....	39.5
Charleston	Maximum	65	73	68	73	65	64	82	57	58	64	74	65	62	60	68	72	61	62	77	82	85	82	75	75	70	81	85	78	68	75	....	70.9
	Minimum	18	20	29	33	53	39	35	32	29	23	35	36	48	52	40	40	35	34	38	41	48	47	55	41	40	41	43	43	49	47	....	38.9
Gary§	Maximum	30	63	..	63	62	52	77	61	55	59	65	55	54	55	45	55	51	44	61	75	73	76	63	58	61	68	58	57	62	69	....	59.6
	Minimum	13	23	29	....	43	37	37	39	31	28	30	33	40	49	39	37	33	33	36	36	43	47	51	55	34	36	39	49	53	41	....	37.7
Green Sulphur Spgs.	Maximum	50	62	58	56	65	67	74	70	55	69	74	72	69	65	62	60	54	56	72	71	74	80	76	70	74	80	81	71	64	68	...	67.3
	Minimum	9	21	30	32	30	30	27	37	29	26	29	30	50	38	35	32	29	30	36	37	39	33	45	42	40	45	45	40	34	36	....	33.9
Hinton§	Maximum	55	65	65	64	62	65	79	67	59	66	75	78	68	48	65	65	55	61	77	84	79	80	79	72	69	78	84	63	66	73	....	68.9
	Minimum	12	15	26	33	34	40	31	33	32	29	30	33	35	47	36	36	33	36	40	43	42	46	58	50	39	37	40	45	51	45	....	36.9
Huntington§	Maximum	45	65	60	71	65	59	76	47	50	60	68	71	60	50	65	54	55	61	72	79	80	76	72	64	65	70	80	64	67	70	...	64.7
	Minimum	17	20	35	53	55	36	35	39	28	30	33	38	45	49	42	42	35	35	40	42	50	52	55	45	41	42	43	50	50	48	...	40.8
Lewisburg	Maximum	46	60	63	62	56	60	72	72	53	60	67	73	66	61	58	58	51	54	68	76	73	72	71	64	62	71	79	68	61	64	....	64 0
	Minimum	7	18	28	40	46	35	27	35	27	24	27	29	48	34	32	32	31	29	41	32	39	49	51	41	31	3[illegible]	38	49	48	45	....	34.8
Marlinton	Maximum	40	54	58	58	54	52	68	56	48	52	60	68	54	48	48	50	48	48	64	70	72	68	66	62	60	63	71	60	56	60	....	58.1
	Minimum	4	12	22	42	44	32	22	30	24	20	22	24	44	32	32	30	24	26	36	28	82	50	48	32	30	26	30	46	40	40	. ..	30.8
Point Pleasant	Maximum	45	60	60	63	63	61	76	76	50	56	69	74	71	54	63	57	55	60	73	80	80	72	70	68	67	69	76	76	64	71	....	66.0
	Minimum	12	25	34	53	51	34	31	36	24	31	30	37	52	44	43	41	36	33	37	45	49	54	51	39	35	37	37	57	44	45	....	39.2
Powellton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Robertsburg§	Maximum	50	70	62	70	68	68	80	46	60	59	74	78	60	51	67	51	57	62	77	80	85	76	78	67	69	72	82	63	60	70	. ..	67.2
	Minimum	10	12	31	41	54	32	30	32	23	30	32	31	52	46	42	40	31	28	35	37	40	45	55	41	34	35	37	42	45	45	...	36.4
Ryan	Maximum	45	66	65	68	65	60	66	62	49	60	70	76	59	52	62	54	55	60	72	80	84	76	71	67	68	73	83	64	66	71	....	65.6
	Minimum	6	17	31	48	42	35	25	33	20	24	23	26	48	45	41	31	27	27	29	30	37	43	45	31	28	30	31	44	44	39	....	32.7
Spencer§	Maximum	41	65	63	67	65	59	70	42	52	58	69	74	59	56	60	60	54	64	72	78	79	74	69	64	65	71	80	60	64	68	....	64.1
	Minimum	9	25	37	51	53	34	30	42	24	27	27	34	40	47	43	45	30	28	34	37	42	47	48	39	32	34	35	40	51	46	...	37.0
Union	Maximum	....	63	63	66	63	61	73	74	....	62	70	75	73	69	....	61	61	55	71	78	79	....	75	73	70	73	80	79	...	67	....	69.4
	Minimum	9	....	35	41	45	35	28	..	21	21	21	29	48	32	...	31	33	29	37	33	39	....	51	47	30	32	40	51	..	45	...	34.6
White Sulphur Spgs§	Maximum	58	61	65	61	59	74	69	56	63	69	75	79	47	53	62	55	58	72	79	71	76	76	68	66	73	80	65	64	69	77	....	66.7
	Minimum	16	22	41	40	38	26	35	30	23	25	28	43	41	33	27	32	25	43	30	37	50	55	45	28	31	35	50	50	46	35	...	35.4
Williamson§	Maximum	48	66	61	63	63	59	75	62	51	60	68	74	68	68	64	53	53	57	71	78	78	75	73	66	65	70	78	64	65	68	...	65.5
	Minimum	18	21	38	45	51	40	37	37	30	32	32	36	39	55	45	43	37	38	39	40	43	51	56	53	40	42	45	46	54	45	. ..	40.9

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXXI. Parkersburg, W. Va., May, 1923. No. 5.

GENERAL SUMMARY.

May averaged considerably cooler and much drier than usual, and the month was characterized by unusually low May temperatures on the 9-11th, and by light to heavy snow or snow squalls from the early morning until into the night of the 9th. Cool weather also prevailed from the 11th to the 25th, except on the 15th and 19th. The lowest temperatures on the 9th, 10th, and 11th ranged generally from 30° to 35°, but a temperature of 29° or lower occurred at 22 stations. The midday temperatures on the 9th were also the lowest of May State record. While the snow melted practically as fast as it fell in most localities, amounts from 4 to 10 inches were measured in many of the more elevated sections. The storm, considering both the amount of snowfall and the duration of the fall, was probably the most severe and disagreeable of May State record. The following remarks by Dr. J. L. Cunningham, Cooperative Observer at Pickens, well describes the conditions in the central portion of the State:

> "May 9 was the most blustering day of the winter. Snow began to fall about daybreak and snow and high winds continued all day. The temperature at 7 a. m. was 25 degrees, at noon 27 degrees, and at 8 p. m. 25 degrees. The weather cleared during the night. On the morning of May 10 the snow on the lawn was 6 inches deep and drifts on the walks were from 10 to 12 inches deep. Icicles from 22 to 35 inches long hung from the eaves of the roof. Snow on sidewalks 9 inches deep; drifts on the mountains from 3 to 4 feet deep."

The precipitation was fairly well distributed over the State, except the eastern panhandle section, where the amounts were especially light. The last week was droughty. Owing to continued cool weather germination and growth were much retarded. Fruit was also much damaged in many localities. At the close of the month pastures, meadows, wheat, and oats were generally in fair to poor condition.

PRESSURE.

The mean sea-level pressures at Parkersburg and Elkins were 29.95 and 29.94 inches, respectively. The highest and lowest readings observed were as follows: Parkersburg, 30.23 inches on the 24th, and 29.49 inches on the 12th. Elkins, 30.26 inches on the 18th, and 29.51 inches on the 16th.

TEMPERATURE.

The monthly mean for the State, determined from 47 stations, was 59.7°. The departure from the normal for 42 stations having ten or more years of record was —2.2°. The first week was favorably warm and the temperature was considerably above the normal on the 15th, 28th, and 29th. The temperature was especially low for the season on the 9-11th and generally below the normal from the 11th to the 15th and the 16th to the 25th.

HUMIDITY.

The averages of the humidity readings at Parkersburg and Elkins at 8 a. m. and 8 p. m., with the normals, were as follows: Parkersburg, 8 a. m., 65 per cent; 8 p. m., 55 per cent. The May averages for the same hours for the past 33 years are 75 and 64 per cent, respectively. Elkins, 8 a. m., 76 per cent; 8 p. m., 60 per cent. The May averages for Elkins for the same hours for the past 22 years are 79 and 64 per cent, respectively.

PRECIPITATION.

The average precipitation for the State, determined from 70 stations, was 2.58 inches. The departure from the normal for 48 stations having ten or more years of record was —1.30 inches. The precipitation was heaviest over the northern panhandle section and lightest over the eastern panhandle section. Precipitation was general on the 8-10th, 12-13th, 16th, and 20th-21st, the amounts on the 9-10th being received mostly as snow. There were also scattered showers on the 23d and 28th.

HAIL.

Light hail fell on the 8th in sections of Fayette, Hampshire, Putnam, and Roane Counties.

WIND.

The average wind velocity at Parkersburg was 5.4 miles per hour, or 0.1 mile below the May average for 33 years. The average at Elkins was 5.8 miles per hour, or 1.6 miles above the May average for 22 years. The highest velocity at Parkersburg was 36 miles per hour from the northwest on the 8th, and at Elkins 31 miles per hour from the southwest on the 16th.

SUNSHINE AND CLOUDINESS.

At Parkersburg the sunshine averaged 59 per cent of the possible amount, or 5 per cent above the May average for 25 years. The average at Elkins was 62 per cent, or 4 per cent above the May average for 24 years.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bancroft, 27th; Elkins, 19th and 22d; Hinton, 22d, 27th, and 30th; Mannington, 18th, 22d, and 31st; Marlinton, 7th, 17th, 18th, 19th, 22d, 24th, 25th, and 27th; Moundsville, 22d, 23d, and 24th; Terra Alta, 31st; Wardensville, 22d; Wheeling, 18th and 29th.

Halo, lunar: Terra Alta, 5th.

Halos, solar: Terra Alta, 7th, 9th, and 22d.

Haze, light: Bayard, 5th, and 17th; Philippi, 26th to the 30th.

Smoke, light: Pickens, 5th and 6th.

Thunderstorms (dates and number of stations reporting): 5th, 1; 6th, 1; 8th, 10; 9th, 1; 11th, 1; 12th, 6; 15th, 4; 20th, 3; 22d, 1; 23d, 1; 26th, 1; 27th, 1; 28th, 1; 29th, 2.

COMPARATIVE DATA FOR MAY.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	57.2	......	......	3.18	......	......	......	......	......	......
1892	62.2	96	32	5.04	......	......	......	......	......	......
1893	59.5	92	30	4.51	6.41	1.83	......	12	9	10
1894	62.1	100	28	4.44	9.40	2.17	......	16	9	6
1895	61.6	105	20	2.60	6.31	0.79	......	12	11	8
1896	68.3	95	33	3.01	5.92	0.65	......	11	13	7
1897	57.6	90	23	4.60	7.06	2.17	......	13	10	8
1898	63.0	94	25	4.51	6.15	2.76	......	13	10	8
1899	64.1	96	35	5.17	7.68	3.17	......	11	11	9
1900	62.5	98	21	2.99	6.75	0.35	......	14	9	8
1901	61.8	96	21	6.15	8.88	2.50	......	11	10	10
1902	65.2	98	25	3.17	6.09	1.30	......	14	11	6
1903	64.3	95	20	3.03	6.24	0.80	T.	18	9	4
1904	61.8	98	25	3.55	5.89	1.54	T.	12	11	8
1905	64.2	96	26	4.95	7.96	1.90	0.0	12	10	9
1906	62.7	98	22	2.59	6.89	0.39	T.	15	9	7
1907	59.0	93	24	3.88	6.37	1.38	T.	12	10	9
1908	63.4	96	28	6.19	11.45	2.73	0.1	9	12	10
1909	60.8	93	21	3.82	6.05	1.80	0.1	14	9	8
1910	57.9	96	19	3.92	5.87	1.55	0.0	11	10	10
1911	66.0	100	22	1.46	6.35	0.03	0.0	20	8	3
1912	63.3	94	31	3.93	7.50	1.16	0.0	15	8	8
1913	61.6	95	19	5.16	8.86	1.89	0.0	14	8	9
1914	62.4	100	24	1.96	3.75	0.55	0.0	15	8	5
1915	61.1	92	29	4.22	6.85	2.56	0 0	10	9	12
1916	64.0	97	28	3.58	6.00	0.90	T.	14	9	8
1917	55.5	95	25	1.88	5.45	2.45	T.	11	8	12
1918	66.7	97	25	4.34	10.28	1.85	T.	15	9	7
1919	61.5	100	30	5.25	10.71	2.75	0.0	12	7	12
1920	58.9	95	24	2.76	6.97	1.05	T.	16	6	9
1921	61.4	96	24	4.48	10.67	2.12	T.	12	7	12
1922	63.7	94	26	3.67	5.83	1.55	0.0	14	7	10
1923	59.7	93	21	2.58	5.33	0.18	1.3	16	6	9
Means and extremes	62.0	105	19	3.93	11.45	0.03	0.1	14	9	8

Climatological Data for May, 1923.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	22	55.1	− 1.7	86	29	26	3†	50	2.88	−1.34	0.49	5.0	11	20	3	8	sw.	U. G. Clark.
Brandywine††	Pendleton	....	7	57.9	....	86	29	29	11	44	1.50	....	0.95	T.	4	18	2	11	sw.	Elmer Keister.
Burlington	Mineral	875	29	58.4	− 3.1	87	29	30	9†	45	1.51	−2.18	0.92	T.	5	20	7	4	sw.	Mary Vandiver.
Harpers Ferry	Jefferson	244	34	....	....	....	....	....	....	....	1.64	−1.94	0.97	0	4	....	....	....	....	J. C. Newcomer.
Inwood	Berkeley	569	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	H W. Prettyman.
Martinsburg	Berkeley	435	31	59.6	− 3.5	92	29	37	9†	38	1.63	−2.06	0.75	T.	6	22	0	9	sw.	Dr. H. S. Gardner.
Moorefield	Hardy	900	27	....	....	92	29	....	....	....	0.61	−2.94	0.25	T.	4	29	0	2	....	M. S. Henkel.
Piedmont^{a}	Mineral	919	10	59.3	....	88	29	32	10†	41	1.39	....	0.42	2.0	6	16	7	7	se.	C. A. Suter, Jr.
Romney	Hampshire	824	25	60.6^{a}	− 2.4	90^{a}	29	31	11	45^{a}	1.32	−2.31	0.55	T.	7	20	5	6	....	Geo. E. Arnold.
Stony River Dam	Grant	....	3	....	....	....	....	....	....	....	1.60	....	0.56	3.0	7	13	6	12	e.	A. C. Becker.
Upper Tract	Pendleton	1,230	24	55.5^{a}	− 5.9	85^{a}	28†	29^{a}	11†	47^{a}	0.48	−2.70	0.48	T.	1	27	0	4	e.	J. M. Mallow.
Wardensville	Hardy	1,200	5	58.7^{f}	....	93^{f}	29	28^{f}	11	46^{f}	0.18	....	0.10	T.	2	16^{e}	9^{e}	1^{e}	s.	Luther F. Sutton.
Averages and	extremes	....	....	58.2	− 3.3	93	29	26	3†	50	1.32	−2.21	0.97	1.0	5	21	4	6	sw.	
Northern Division.																				
Bens Run	Pleasants	622	21	61.8	− 1.4	90	28	33	9†	40	2.65	−1.87	0.44	T.	7	23	3	5	....	J. D. Riggs.
Bruceton Mills	Preston	1,549	3	....	....	....	....	....	....	....	2.12	....	0.50	2.5	9	8	13	10	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	26	60.4	− 1.5	86	15	30	10	38	2.63	−1.97	0.58	4.0	10	18	7	6	....	H. A. Darnall.
Cairo	Ritchie	680	24	61.5	− 2.3	90	15†	31	10	44	3.08	−0.44	0.70	T.	7	13	10	8	....	O. C. Hess.
Cheat Bridge	Randolph	3,558	5	51.2^{a}	....	80^{a}	30	22^{a}	10	43	1.96	....	0.50	3.0	8	18^{a}	1^{a}	11^{a}	....	H. F. Cromer.
Clarksburg	Harrison	1,015	1	60.6	....	89	19	32	9†	42	2.52	....	0.80	0.6	8	14	10	7	nw.	Clarksburg Water Board.
Cortland	Tucker	3,300	12	....	....	....	....	....	....	....	2.38	....	0.65	4 0	6	17	9	5	....	G. W. Harmon.
Creston	Wirt	701	21	62.4	− 1.1	91	30	33	9†	42	2.22	−1.69	0.88	T.	10	16	2	13	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	2	....	....	....	....	....	....	....	2.60	....	0.77	T.	7	....	....	....	s.	Lockmaster.
Dam 12 O. R.	Ohio	614	7	....	....	....	....	....	....	....	3.17	....	0.80	....	6	....	....	....	....	Lockmaster.
Dam 13 O. R.	Ohio	605	7	....	....	....	....	....	....	....	2.50	....	0.82	....	7	....	....	....	....	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	2	....	....	....	....	....	....	....	2.01	....	0.78	T.	7	....	....	....	w.	Lockmaster.
Davis	Tucker	3,093	14	....	....	....	....	....	....	....	2.46	−1.69	0.64	2.0	10	16	9	6	w.	Ross C. Male.
Elizabeth	Wirt	646	11	....	....	....	....	....	....	....	2.27	−1.42	0.75	....	8	....	....	....	....	E. D. Ball.
Elkins	Randolph	1,947	22	57.8	− 1.3	85	29	28	9	41	1.96	−2.02	0.49	0.5	12	6	15	10	w.	U. S. Weather Bureau.
Fairmont	Marion	883	17	60.6	− 1.8	87	29	31	10	43	2.26	−1.72	0.65	T.	7	20	3	8	w.	Creed E. Bolyard.
Glenville	Gilmer	738	29	64.2	+ 0.7	93	28†	31	10	50	3.72	−0.49	1.26	0.2	10	16	8	7	w.	Howard R. Brannon.
Grafton	Taylor	1,000	30	59.0	− 3.1	90	29	29	9†	50	1.61	−2.67	0.80	2.0	4	15	3	13	sw.	W. A. Williams.
Lost Creek	Harrison	1,026	25	56.7	− 4.4	84	27	30	9†	40	2.60	−1.69	0.61	0.5	9	16	7	8	w.	Allen Smith.
Mannington	Marion	974	20	59.1	− 1.9	86	15	31	11	45	2.91	−2.14	0.64	2.4	9	15	7	9	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	30	62.3	− 0.2	90	28	30	10	38	2.07	−1.55	0.43	1.0	9	9	10	12	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	20	....	....	....	....	31^{g}	10	....	3.33	+0.03	0.80	T.	6	17^{a}	7^{a}	6^{a}	sw.	G. W. Wright.
New Cumberland	Hancock	987	25	58.8	− 1.9	88	28†	32	10	42	5.04	+1.74	1.82	T.	8	19	4	8	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	29	61.5	− 2.1	92	28	31	10	47	3.85	+0.11	0.80	T.	7	19	4	8	n.	Wm. Ankrom.
Parkersburg	Wood	638	36	62.2	− 1.0	87	15	34	9	35	2.31	−1.15	0.66	T.	7	10	10	11	n.	U. S. Weather Bureau.
Parsons ††	Tucker	1,656	23	58.2^{a}	− 0.9	91^{a}	29	28^{a}	10	50^{a}	2.00	−1.90	1.05	....	2	17^{a}	8^{a}	5^{a}	....	J. W. Swisher.
Philippi	Barbour	1,149	26	61.4	− 0.3	87	15†	29	9†	43	2.21	−2.07	0.57	1.0	7	13	8	10	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	20	57.6	− 1.2	86	29	23	10	45	4.49	−0.84	0.88	9.0	11	19	2	10	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	36	....	....	....	....	....	....	....	2.89	−1.47	0.60	....	7	....	....	....	w.	J. F. Pierce.
Saint Marys	Pleasants	577	14	....	....	....	....	....	....	....	2.95	−0.91	0.75	T.	9	....	....	....	sw.	Wm. Hughes.
Smithfield	Wetzel	835	17	60.2	− 0.8	91	28	32	10†	49	3.66	−0.52	1.21	T.	7	22	3	6	se.	G. M. Whisler.
Terra Alta	Preston	2,612	22	52.8^{a}	− 6.2	79^{a}	14†	25	9	40^{a}	3.34	−1.65	0.86	2.5	11	16	8	7	w.	J. J. Shanahan.
Wellsburg	Brooke	1,225	22	60.2	− 0.3	89	28	31	11	47	4.42	+0.94	1.82	T.	7	23	0	8	w.	George P. Pfister.
Weston	Lewis	1,026	27	61.4	− 1.7	87	28†	32	9†	41	2.56	−1.75	0.60	T.	9	12	8	11	....	Weston State Hospital.
Wheeling	Ohio	645	36	60.4	− 2.5	91	28	31	10	47	3.45	−0.01	0.81	0.3	7	16	7	8	sw.	Miss M. B. Forsyth.
Averages and	extremes	....	....	59.7	− 1.7	93	28†	22	10	50	2.83	−1.11	1.82	1.2	8	16	7	8	w.	
Southern Division.																				
Bancroft	Putnam	574	19	58.7	− 5.1	85	15†	29	10	37	2.03	−2.11	0.57	1.1	12	8	12	11	se.	E. H. Morrow.
Beckley	Raleigh	2,440	23	55.4	− 4.8	80	15†	21	10	41	3.30	−0.12	0.97	10.0	4	13	8	10	w.	E. E. Phipps.
Bluefield ††	Mercer	2,558	28	62.5	+ 0.6	89	29†	29	9†	40	0.87	−2.97	0.65	T.	8	27	1	3	....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	8	....	....	....	....	....	....	....	1.02	....	0.82	T.	2	22	0	9	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	20	64.6	− 1.3	91	15	31	10	47	2.93	−1.11	1.40	T.	8	14	7	10	....	C. V. Lewis.
Clay	Clay	706	7	....	....	....	....	....	....	....	2.62	....	1.10	....	11	....	....	....	....	Mark King.
Dam 19 O. R.	Wood	557	7	....	....	....	....	....	....	....	3.32	....	1.17	T.	9	....	....	....	....	Lockmaster.
Dam 20 O. R.	Wood	551	7	....	....	....	....	....	....	....	2 74	....	0.94	T.	10	....	....	....	....	Lockmaster.
Dam 26 O. R.	Mason	505	7	....	....	....	....	....	....	....	3.19	....	0.80	T.	8	....	....	....	....	U. S. Engineer Office.
Gary	McDowell	1,426	7	59.6^{g}	....	85^{h}	30	....	....	40^{i}	5.33	....	1.98	T.	12	....	....	....	....	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	27	60.4	− 1.0	85	29	27	10	44	3.28	−0.38	1.25	5.0	8	4	11	16	w.	W. H. Gwinn.
Hinton	Summers	1,450	26	61.8^{a}	− 2.0	87^{a}	27†	29	10	45^{a}	2.56	−1.21	0.88	T.	7	13	2	16	....	J. B. Lavender, C. E.
Huntington	Cabell	538	29	62.8	− 2.1	87	30	33	10	35	3.09	−0.94	0.80	T.	12	9	6	16	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	4	....	....	....	....	....	....	....	2.59	....	1.43	....	6	....	....	....	....	J. O. Brown.
Kayford	Kanawha	1,335	7	....	....	....	....	....	....	....	4.42	....	1.60	10.0	11	....	....	....	....	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	23	59.0	− 1.6	83	29	29	9†	41	2.16	−1.48	0.56	T.	6	16	6	9	s.	Geo. T. Argabate.
Marlinton	Pocahontas	2,131	24	54.5	− 3.5	82	30	24	10	46	2.78	−1.23	1.02	1.5	10	4	23	4	sw.	S. L. Brown.
Organ Cave	Greenbrier	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	D. C. Humphreys.
Point Pleasant	Mason	553	30	61.2	− 4.1	84	31	34	9†	40	2.97	−0.89	0.71	T.	11	12	6	13	....	W. D. Holmes.
Powellton^{10}	Fayette	933	27	64.8	+ 0.9	92	15	31	10	46	....	....	0.63	T.	5	14	0	4	....	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	7	....	....	....	....	....	....	....	2.00	....	0.70	....	4	....	....	....	....	Raleigh Coal & Coke Co.
Ravenswood (Dam 22)	Jackson	538	8	....	....	....	....	....	....	....	2.02	....	0.72	T.	5	....	....	....	....	Lockmaster.
Robertsburg	Putnam	574	23	62.4	− 1.5	91	29	33	10	43	2.06	−1.54	0.54	T.	9	21	0	10	....	M. Frazier.
Ryan	Roane	700	20	59.9	− 2.3	87	29†	27	10	47	1.41	−2.29	0.53	2.3	9	13	10	8	....	Wm. E. Ryan.
Sharples	Logan	....	3	....	....	....	....	....	....	....	3.33	....	1.06	T.	7	....	....	....	....	C. E. Rippetoe.
Spencer††	Roane	784	19	59.9	− 2.7	85	15†	31	10	41	1.70	−2.00	0.82	T.	8	11	9	11	....	A. M. McKown.
Sutton	Braxton	839	17	57.7	− 7.6	88	25†	29	9†	46	2.84	−1.65	0.65	4.0	7	24	0	7	....	C. B. Eakle.
Union^{d}	Monroe	2,250	19	61.0	+ 0.2	84	31	27	10	49	3.07	+0.31	1.00	0.2	8	17	4	6	....	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	13	60.2	− 0.6	86	31	29	10	43	2.04	−1.83	0.58	1.0	7	22	5	4	....	J. M. Ayres.
Williamson	Mingo	660	23	62.0	− 3.4	85	15†	34	10	37	2.22	−1.59	0.60	T.	10	17	6	8	w.	J. F. Keyser.
Averages and	extremes	....	....	60.4	− 2.5	92	15	21	10	49	2.74	−1.20	1.98	1.5	8	15	6	10	w.	
State averages and	extremes	....	....	59.7	− 2.2	93	28†	21	10	50	2.58	−1.30	1.98	1.3	8	16	6	9	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used i determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for May, 1923.

Stations.	Drainage-basin.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac								.38	.46	.21	.04	.31	.21			.19	T.		.01	.33	.38	.03										2.58
Brandywine	do							.75	.20	T.		T.				T.	.25		T.					.30									1.59
Burlington	do								.16	T.		.15					.28				.67	.25											1.51
Harpers Ferry ⦀	do									.44				.07			.16					.97											1.64
Inwood	do																																
Martinsburg	do								.56	T.		.04	.10			.05	.13		T.		.75												1.63
Moorefield	do									.25									.18		.08	.10											0.61
Piedmont	do								.40	.10			.20	.06							.42	.21											1.39
Romney	do									.27		.01	.27	.11			.07	.04				.55											1.32
Stony River Dam ⦀	do									.12	.24		.12	.24			.30	.02				.56											1.60
Upper Tract	do									T.											T.			.48									0.48
Wardensville ⦀	do									T.							.10		T		.08												0.18
Northern Division.																																	
Bens Run	Ohio								.40	.38		.42	.32				.44				.43	.26											2.65
Bruceton Mills ⦀	Monongahela								.20	.20	.09	.28	.50	.09			.39				.23	.14					T						2.12
Buckhannon	do								.60	.58		.37	.22	.20			.42		.05		.05			.14									2.63
Cairo	Little Kanawha								.70	.60		.43	.28	.25			.60		T.		.22	T		T.				.10					3.68
Cheat Bridge ⦀	Monongahela									.50	.22		.41				.31	.02		.06		.28			.16								1.96
Clarksburg ⦀	do								.06	.80	.23		.42	.50			.24	.15				.12					T.						2.52
Cortland ⦀	do								.42	.32		.20	.65						.27		.52												2.38
Creston ⦀	Little Kanawha								.13	.88	.14		.36	.32			.15	.10		.06	T.	.05			.03		T.						2.22
Dam 10, Mon. R. ⦀	Monongahela									.77	.19		.66	.31			.23	.07				.37											2.60
Dam 12, O. R. ⦀	Ohio									.68	.12		.80	.60			.35					.62											3.17
Dam 13, O. R. ⦀	do									.41	.19		.82	.50		.02	.40	.16															2.50
Dam 15, Mon. R. ⦀	Monongahela									.78	.12		.50	.24			.17	.08				.12											2.01
Davis ⦀	do									.64	.13		.33	.42			.28	.07		.06		.46	.05	.02									2.46
Elizabeth ⦀	Little Kanawha								.05	.75	.10		.41	.35			.20	.06				.35											2.27
Elkins ***	Monongahela						.01		.45	.20		.20	.10	.06		.42	.07		.05		.03	.01		.36			T.						1.96
Fairmont ⦀	do								T.	.65	.27		.53	.37			.20	.11				.13	T		T.								2.26
Glenville ⦀	Little Kanawha								T.	1.26	.27		.07	.56			.45	.06		.03		.05			.15				.82				3.72
Grafton ⦀	Monongahela									.16		.80	.20									.45											1.61
Lost Creek	do								.61	.52	.04	.06	.51	.31			.34		T.		.06	T.		.15									2.60
Mannington	do								.58	.45	.04	.28	.62	.12			.64				.16	.02											2.91
Morgantown	do								.43	.08	.30	.20	.41	.06			.24				.20	.15											2.07
Moundsville ⦀	Ohio								T.	.80	.15		.78	.40			.45				.75												3.33
New Cumberland ⦀	do									.81	.19		.99	1.82		.03	.54	.05				.61											5.04
New Martinsville	do								.65	.60		.45	.65				.80				.60	.10											3.85
Parkersburg ***	Ohio								.51	.07		.49	.33		T.	.17	.08	T.	T.		.66			T.					T.				2.31
Parsons	Monongahela							1.05		.95									T.			T.											2.00
Philippi	do								.39	.38	T.	.10	.57	.26			.50		.01		T.	T.											2.21
Pickens	do								.66	.43	.24	.13	.60	.43			.65				.23	.09		.15				.88					4.49
Rowlesburg ⦀	do									.60	.49		.43	.53			.44	.10				.30											2.89
Saint Marys ⦀	Ohio								.05	.75	.23		.55	.35			.23	.07			.02	.70											2.95
Smithfield ⦀	Fishing Creek								.01	1.20	.30		.83	.53			.45					.34											3.66
Terra Alta	Monongahela					.01		.01	.84	.08		.38	.86		.01	.49	.07		.01		.58												3.34
Wellsburg	Ohio								.26	.45	T.	.28	1.82				.69				.72	.20											4.42
Weston	Monongahela								.60	.46	.04	.05	.60	.20			.48				.11		.02										2.56
Wheeling ⦀	Ohio								.01	.80	.15	T.	.81	.70		T.	.31	T.				.67											3.45
Southern Division.																																	
Bancroft ⦀	Great Kanawha								.21	.57	.07	.01	.17	.05			.56	.03				.07		.27				.01			.01		2.03
Beckley	do								.72	.80				.81		.97																	3.30
Bluefield	do								.02	.04			.02		.02		.09				.01			.65						.02			0.87
Camden-on-Gauley ⦀	do								.20	T.	T.																			.82			1.02
Charleston ⦀	do								T.	1.40	.25		.30	.10			.28	.10			T.			.30	.20								2.93
Clay ⦀	do								.03	1.10	.20		.10	.08		.10		.15				.04		.02	.30				.50				2.62
Dam 19 O. R. ⦀	Ohio								.02	.67	.12	T.	.48	.38		T.	.18	.02	T.	T.	T.	1.17								.28			3.32
Dam 20 O. R. ⦀	do								.06	.58	.19		.43	.24			.24	.02		.02	.02	.94											2.74
Dam 26 O. R. ⦀	do									.60			.30	.20			.55				.10	.80		.10		.54							3.19
Gary ⦀	Big Sandy						.05		.10	.40	.16		.45	1.98			.87					.05		.02	.90	.01					.34		5.33
Green Sulpr. Spgs.	do					T.			.28	.24	.16		.37	.42			1.25		T.					.42								.14	3.28
Hinton ⦀	do									.38	.08			.58			.88	.04				.04			.56								2.56
Huntington ⦀	Ohio								.26	.54	.08		.22			.06	.44				.32	.42		.58			.02		.14		.01		3.09
Kanawha Falls ⦀	Great Kanawha								T.	1.43	.12		.14				.30							.10	.50								2.59
Kayford ⦀	do								.02	1.60	.31		.07	.44			.37		T.	.01		.10		.06	1.33						.11		4.42
Lewisburg	do								.56	.27	T.		.05	.19			.53							.56									2.16
Logan	Guyandotte																																
Marlinton	Great Kanawha						.32		.06	.15		.03	.56			T.	.30		.10		.20			1.02			.04						2.78
Organ Cave	do																																
Point Pleasant	Ohio								.71	.22		.15	.25	.10		.19	.32		.02		.71	.25							.05				2.97
Powellton	Great Kanawha								.11	.60	.04		.18				.63																‡‡‡
Raleigh ⦀	do									.50	.40						.70					.40											2.00
Ravenswood (Dam 22)	Ohio									.72	T.		.45	.20			.25				T.	.40											2.02
Robertsburg ⦀	Great Kanawha								.12	.49	.06		.16	.13			.15				.15	.54		.26									2.06
Ryan	do								.53	.20	.03	.11	.06			.02	.22				.01			.23									1.41
Sharples ⦀	Coal River									1.06	.20		T.	.66			.30					.30		T.	.76						.05		3.33
Spencer ⦀	Little Kanawha								T.	.82	.10		.31	.10			.10	.14		.06		.07					T.						1.70
Sutton	Great Kanawha								.65	.32	T.	.38	.32				.52							.38				.27					2.84
Union	do								.15	.23	1.00	T.	.20				.98					.09		.39	.03								3.07
White Sulpr. Spgs. ⦀	do								.58	.08		.15	.21			.52					.08			.50									2.12
Williamson ⦀	Big Sandy					T.	.02		.15	.42	.16		T.	.22			.20				T.	.25		.20	.40						.20		2.22

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

⦀ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

‡‡‡ Probably incomplete.

Daily Temperatures for May, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	67	71	70	79	77	74	79	78	58	49	57	70	59	71	80	78	60	65	75	75	66	71	71	72	74	78	82	84	86	80	75	72.0
	Minimum	30	27	26	29	36	36	37	42	27	26	27	48	42	28	40	59	43	33	44	43	50	38	45	32	31	40	44	43	43	44	61	38.2
Brandywine	Maximum	70	72	75	76	78	76	75	70	56	54	65	75	65	72	78	80	67	74	80	80	75	74	68	73	75	83	84	83	85	80	78	74.1
	Minimum	34	32	31	33	38	36	38	40	32	32	29	45	51	30	54	60	50	34	44	48	55	39	42	48	36	43	49	48	46	45	50	41.7
Burlington	Maximum	73	73	71	75	79	72	79	78	68	59	64	80	68	73	84	82	70	74	78	78	69	67	66	71	77	80	83	84	87	81	71	74.6
	Minimum	32	33	31	34	40	43	44	43	30	34	30	42	48	32	53	62	50	38	38	45	58	40	48	37	32	43	47	47	50	49	51	42.1
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Martinsburg	Maximum	57	68	67	73	80	74	63	68	43	58	65	79	70	71	67	83	61	63	70	75	72	70	69	75	82	88	86	88	92	75	78	71.9
	Minimum	43	45	41	45	49	45	45	39	37	37	49	53	38	51	57	52	46	48	49	49	47	49	44	41	44	53	54	55	55	51	54	47.3
Piedmont	Maximum	73	74	72	79	80	77	81	74	56	62	63	74	64	74	86	79	64	74	76	79	64	68	65	72	79	84	84	84	88	75	....	74.1
	Minimum	40	37	37	38	44	46	46	50	34	32	32	49	48	34	56	61	48	40	45	48	48	42	50	39	40	46	51	50	53	50	....	44.5
Romney	Maximum	76	76	73	81	84	75	81	81	48	64	72	80	69	75	88	83	68	78	84	84	70	70	65	73	81	87	87	87	90	76	....	76.9
	Minimum	39	35	36	36	43	50	46	52	35	34	31	47	49	32	55	61	50	40	45	47	59	38	50	35	37	43	50	49	51	50	51	44.4
Upper Tract	Maximum	70	70	74	76	76	76	75	63	56	55	69	68	75	....	80	80	75	75	75	74	72	71	70	71	78	82	84	85	85	85	71	73.9
	Minimum	34	33	32	32	35	40	39	39	35	33	29	29	49	....	37	36	33	34	33	34	34	35	36	38	38	37	37	38	48	47	58	37.1
Northern Division.																																	
Bens Run	Maximum	77	79	84	85	77	80	83	69	48	60	55	71	74	80	89	73	67	69	81	68	69	70	75	80	80	85	83	90	85	87	89	76.2
	Minimum	41	41	45	46	51	47	44	46	33	33	37	52	45	40	52	41	45	48	43	54	55	43	51	47	50	55	58	58	58	57	57	47.5
Buckhannon	Maximum	70	72	77	79	75	71	80	71	62	56	64	74	62	76	86	80	64	69	77	74	65	67	63	76	76	80	83	84	84	84	84	73.7
	Minimum	38	37	39	41	48	44	43	55	32	30	34	47	47	42	62	57	49	40	49	49	52	41	52	42	49	54	54	55	53	65	57	47.0
Cairo	Maximum	76	78	82	83	83	78	83	81	59	61	57	71	66	78	90	79	68	70	82	75	69	71	72	81	80	85	85	90	88	88	90	77.4
	Minimum	36	36	39	41	47	41	39	51	33	31	32	52	46	38	62	55	47	38	45	45	53	40	49	43	45	53	55	60	55	53	55	45.6
Clarksburg	Maximum	74	73	80	80	75	74	81	61	42	57	71	72	63	79	87	76	65	70	89	79	61	67	68	77	80	82	85	86	85	86	86	74.6
	Minimum	37	37	39	41	49	46	42	51	32	32	33	52	48	42	55	59	47	40	47	52	55	44	53	43	45	53	55	55	54	51	56	46.7
Creston	Maximum	75	79	84	85	75	73	82	72	53	61	60	73	67	78	90	71	68	72	84	73	69	74	67	80	81	85	89	89	90	91	90	76.8
	Minimum	38	39	42	43	50	46	45	53	33	33	34	52	46	41	67	55	48	41	48	54	55	42	51	45	47	58	57	59	56	57	57	48.1
Elkins	Maximum	68	73	77	79	75	72	78	68	35	52	66	71	59	74	81	73	61	68	75	75	65	71	60	73	78	81	83	84	85	84	83	71.8
	Minimum	38	35	36	40	45	43	42	35	28	29	33	56	41	35	61	49	45	37	47	51	45	39	51	45	43	48	52	51	51	52	54	43.8
Fairmont§	Maximum	74	73	81	82	74	75	80	74	59	63	65	76	64	82	85	72	66	68	76	71	63	67	71	80	81	82	84	86	87	85	85	75.2
	Minimum	38	39	41	44	49	47	45	43	34	31	35	47	46	39	47	47	44	42	47	54	54	41	44	46	45	54	57	58	55	59	55	46.0
Glenville	Maximum	80	83	88	90	86	78	87	83	62	62	62	75	69	82	92	89	71	76	85	85	73	76	75	85	85	89	91	93	91	93	93	81.6
	Minimum	36	35	38	40	46	41	41	54	32	31	32	53	47	38	65	59	50	39	47	52	55	40	47	47	47	55	57	60	55	55	58	46.8
Grafton§	Maximum	73	71	84	82	79	76	83	79	79	58	60	75	63	82	84	84	84	61	69	68	76	69	68	70	80	83	83	84	90	85	89	76.6
	Minimum	32	32	36	36	44	39	39	42	29	29	29	51	44	34	58	55	35	35	42	42	48	44	36	47	36	38	46	50	52	47	53	41.3
Lost Creek	Maximum	74	65	70	74	73	70	70	70	59	54	53	71	59	70	80	79	61	60	74	72	65	63	64	72	71	76	84	82	78	80	79	70.1
	Minimum	34	32	34	36	45	40	37	50	30	30	31	50	45	38	60	56	44	35	43	48	53	38	49	38	40	50	51	52	50	50	52	43.3
Mannington	Maximum	73	73	79	80	76	74	81	77	57	58	56	72	62	76	86	82	64	68	77	74	67	66	70	76	79	80	83	84	85	82	84	74.2
	Minimum	34	34	34	39	47	42	39	48	32	32	31	51	46	35	61	58	43	38	41	49	53	38	48	38	42	50	53	52	52	52	51	44.0
Morgantown	Maximum	71	70	78	82	76	78	80	66	58	56	59	72	64	78	86	82	63	69	79	74	66	65	71	77	81	85	85	90	86	86	85	74.8
	Minimum	40	42	49	52	59	46	49	54	31	30	42	51	45	40	62	59	43	43	46	63	52	40	48	50	52	55	59	63	60	61	57	49.8
New Cumberland§	Maximum	71	75	77	81	74	78	82	59	45	57	61	64	59	73	85	72	65	71	80	70	61	68	72	76	80	85	81	88	88	86	87	73.3
	Minimum	33	35	42	40	46	44	40	45	33	32	36	46	42	33	48	60	44	40	44	52	51	42	48	43	42	46	52	55	54	52	53	44.3
New Martinsville	Maximum	77	77	84	84	75	77	85	80	56	61	60	73	65	80	90	80	66	72	82	77	80	70	75	82	82	88	85	92	90	86	90	78.1
	Minimum	36	37	37	43	46	45	40	51	32	31	32	50	43	38	59	53	42	38	44	51	52	40	48	43	43	50	54	52	44	55	54	44.9
Parkersburg	Maximum	75	76	80	81	72	75	81	67	39	60	57	72	62	77	87	71	66	68	80	70	66	68	72	78	79	83	83	86	85	85	86	73.8
	Minimum	49	48	50	53	54	49	46	39	34	35	42	49	46	44	61	52	48	44	51	59	50	44	51	49	52	58	60	64	62	60	62	50.6
Parsons	Maximum	73	75	80	84	80	81	68	51	55	65	77	....	63	76	89	85	63	79	81	80	63	81	63	79	83	88	88	90	91	82	85	76.6
	Minimum	31	30	30	35	44	39	45	29	29	28	48	....	44	30	55	44	43	32	38	47	46	36	45	37	36	41	47	46	45	48	49	39.9
Philippi	Maximum	71	71	80	80	74	74	80	77	59	55	59	71	61	78	87	78	62	66	77	76	67	68	65	77	80	82	87	86	84	85	86	74.3
	Minimum	41	39	47	50	54	45	37	54	29	29	39	53	44	40	62	59	45	41	49	63	53	39	51	47	55	55	57	57	57	60	57	48.6
Pickens	Maximum	70	75	78	82	74	80	78	67	54	52	61	68	59	75	80	71	60	63	76	76	63	72	65	75	76	81	84	81	86	84	85	72.6
	Minimum	34	34	41	38	43	42	41	54	25	23	31	49	39	31	56	45	40	40	43	54	50	35	46	47	43	48	53	51	41	51	50	42.6
Terra Alta	Maximum	67	66	71	71	66	72	59	31	51	61	62	54	69	79	63	53	61	69	71	53	65	58	67	69	76	77	77	79	74	69	....	65.3
	Minimum	28	37	34	38	43	41	42	27	25	30	47	41	29	46	47	39	35	42	46	52	32	42	41	39	42	47	48	45	46	52	46	40.3
Wellsburg	Maximum	73	75	77	84	76	79	82	76	59	57	57	62	62	86	84	83	64	68	82	72	67	69	76	80	85	85	86	89	88	86	86	76.0
	Minimum	32	32	33	37	44	40	38	45	34	32	31	50	43	52	56	54	44	49	42	50	52	39	49	40	39	46	54	59	54	57	48	44.4
Weston	Maximum	75	75	81	82	74	76	82	78	60	58	60	73	63	73	84	82	66	69	79	75	68	67	65	79	80	82	85	87	87	87	87	75.5
	Minimum	39	38	40	43	51	45	43	56	32	32	35	53	47	43	44	56	48	40	49	54	55	53	51	45	46	47	57	56	54	56	57	47.3
Wheeling§	Maximum	76	78	81	86	77	81	87	60	44	62	67	72	75	77	82	74	68	69	82	83	65	70	78	80	84	81	85	91	89	89	90	76.9
	Minimum	36	35	37	42	49	46	40	45	35	31	34	34	43	45	45	55	42	42	44	51	52	38	49	42	42	36	54	54	55	55	51	43.8
Southern Division.																																	
Bluefield	Maximum	77	77	79	77	72	73	79	72	69	60	70	73	74	71	81	81	70	70	79	78	80	80	79	69	73	82	83	88	89	89	81	76.6
	Minimum	43	43	50	48	53	54	42	55	29	29	32	51	50	44	58	58	42	42	49	49	54	45	52	48	49	51	52	53	61	62	52	48.4
Charleston	Maximum	81	83	87	87	86	79	81	69	43	64	69	72	87	88	91	85	86	81	85	86	67	77	75	76	73	80	84	82	84	85	86	79.5
	Minimum	45	44	49	50	56	50	47	40	34	31	40	42	40	42	50	61	60	59	52	55	59	41	49	42	48	60	61	59	60	60	61	49.6
Gary§	Maximum	50	71	80	67	70	63	79	....	59	45	56	55	62	76	....	81	62	69	76	74	69	79	62	67	68	83	84	76	66	85	66	69.0
	Minimum	38	39	40	43	53	43	46	49	....	....	....	....	....	....	56	....	51	42	49	58	60	48	53	57	46	54	54	55	59	59	56	50.3
Green Sulphur Spgs	Maximum	76	80	75	78	73	80	83	70	64	58	70	65	68	72	81	74	68	76	82	84	70	81	72	65	78	80	83	84	85	80	82	75.4
	Minimum	36	36	45	40	48	40	43	53	30	27	32	34	34	38	60	59	50	52	38	50	52	42	58	45	46	48	52	54	54	53	55	45.3
Hinton§	Maximum	82	84	80	82	73	84	86	67	42	64	72	73	61	76	82	73	72	72	85	78	72	85	64	63	76	84	87	85	87	85	....	76.1
	Minimum	40	39	41	40	45	43	46	50	34	29	35	40	53	42	47	60	50	43	47	51	51	47	51	55	50	53	55	56	58	60	60	47.5
Huntington§	Maximum	76	76	81	80	69	74	81	67	42	63	70	70	65	77	86	68	70	70	82	72	69	70	60	73	76	80	85	85	81	87	86	73.9
	Minimum	45	46	51	52	58	50	46	50	35	33	40	50	49	45	51	62	50	47	52	62	57	47	50	50	52	58	62	62	61	63	63	51.6
Lewisburg	Maximum	73	77	75	75	72	79	78	67	59	55	68	69	61	71	78	74	64	70	79	73	69	78	68	67	72	78	81	79	83	81	81	72.7
	Minimum	37	36	43	38	44	39	42	51	29	29	29	50	49	41	56	57	48	36	44	50	55	41	54	52	45	50	51	52	54	50	54	45.4
Marlinton	Maximum	68	76	70	72	70	76	74	64	38	50	62	64	56	66	72	70	58	62	72	68	66	76	60	64	66	74	78	76	80	82	78	68.0
	Minimum	32	30	34	32	38	34	38	38	26	24	26	46	40	38	58	48	40	32	46	50	48	36	50	48	40	42	54	52	46	50	56	41.0
Point Pleasant	Maximum	76	75	77	77	76	75	80	79	52	61	61	63	61	75	75	71	66	66	80	80	71	69	68	72	75	80	82	82	82	83	84	73.5
	Minimum	40	40	47	46	55	45	40	52	34	34	40	53	47	39	64	56	45	43	43	61	53	44	50	47	49	59	59	60	57	59	59	49.0
Powellton	Maximum	....	84	87	88	82	....	....	86	71	66	73	71	....	82	92	88	....	....	....	....	....	....	....	....	80	85	91	....	88	88	90	83.1
	Minimum	....	40	47	48	53	....	....	56	33	31	35	43	....	40	63	19	....	....	....	....	....	....	....	....	39	47	45	....	47	59	60	46.4
Robertsburg§	Maximum	78	78	87	86	70	77	82	65	40	62	72	70	70	83	88	68	63	72	87	74	72	60	71	71	76	84	88	85	91	88	90	76.1
	Minimum	39	39	17	45	55	17	39	52	34	33	36	50	46	41	56	58	48	40	48	57	52	44	47	46	47	67	67	58	57	59	57	48.7
Ryan	Maximum	78	79	82	84	70	75	83	63	45	55	60	71	65	80	82	75	69	74	78	83	68	73	63	80	83	82	86	86	87	85	87	75.2
	Minimum	37	32	40	39	46	38	37	45	30	27	28	47	43	36	54	52	46	38	46	53	50	38	49	49	48	57	57	58	54	55	55	41.6
Spencer§	Maximum	75	75	80	71	71	74	81	59	36	59	69	70	64	77	85	68	67	70	81	70	65	70	59	74	77	82	83	85	85	85	85	72.6
	Minimum	39	38	40	45	45	45	40	47	33	31	34	47	46	45	51	61	48	40	44	52	53	44	47	50	49	57	58	61	56	58	59	47.2
Union	Maximum	77	79	80	78	78	....	81	80	64	58	78	80	71	....	78	75	73	69	83	....	82	78	79	64	72	78	82	83	....	83	84	75.7
	Minimum	37	35	46	38	47	....	38	51	30	27	29	51	41	....	58	58	48	37	44	....	53	44	54	51	51	50	50	54	....	51	53	45.4
White Sulphur Spgs§	Maximum	80	76	76	74	79	81	71	46	59	71	73	66	72	81	73	69	71	82	75	75	79	65	65	75	77	82	81	83	81	79	86	74.5
	Minimum	36	42	36	41	36	42	49	32	30	29	44	54	41	56	58	51	36	45	50	57	42	52	52	49	47	52	50	51	49	55	57	45.8
Williamson§	Maximum	75	78	80	77	71	83	80	66	38	60	71	69	64	78	85	70	69	70	80	70	69	75	60	74	74	79	82	81	81	85	85	73.5
	Minimum	45	46	47	50	50	50	50	51	36	34	35	42	49	46	48	61	50	48	50	57	57	51	48	55	52	54	60	62	62	62	62	50.6

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXXI. Parkersburg, W. Va., June, 1923. No. 6.

GENERAL SUMMARY.

June averaged somewhat warmer and slightly wetter than usual and the month was characterized by high temperature during the first week and from the 18th to the 25th, and by frequent thunderstorms and an unfavorable rainfall distribution. The rainfall was much deficient over the eastern counties, where the conditions were decidedly droughty, while heavy rain fell over the central and central-western counties. Excessive rain on the 12th in the southeastern portion of Wyoming County, and on the 24th in the west-central portion of Brooke County, caused high water in the local streams, doing some damage. Crops made good growth during the month, except during the beginning of the last decade, when rain was much needed.

TEMPERATURE.

The monthly mean for the State, determined from 47 stations, was 70.2°. The departure from the normal for 41 stations having ten or more years of record was +1.3°. The highest temperatures occurred mostly on the 5th and 22d, and the lowest on the 10th and 30th.

PRECIPITATION.

The average precipitation for the State, determined from 71 stations, was 4.54 inches. The departure from the normal for 47 stations having ten or more years of record was +0.27 inch.

HAIL.

Light hail fell in sections of the following counties on dates indicated: Brooke, Jackson, and Wood, 1st; Berkeley and Randolph, 3d; Jackson, Tucker, and Webster, 7th; Webster, 12th: Brooke, 22d; Taylor, 26th.

Moderately heavy hail, causing some damage, fell over sections of the northern portion of Jefferson County on the 3d.

MISCELLANEOUS PHENOMENA.

(Dates and number of stations reporting.)

Halos, solar: 15th, 1; 21st, 1; 23d, 1; 24th, 1; 27th, 1.

Thunderstorms: 1st, 4; 2d, 2; 3d, 4; 4th, 3; 5th, 8; 6th, 10: 7th, 9; 8th, 4; 11th, 3; 12th, 2; 13th, 1; 15th, 12; 16th, 2; 17th, 2; 18th, 3; 19th, 3; 20th, 1; 21st, 2; 22d, 7; 23d, 9; 24th, 16; 25th, 11; 26th, 11; 27th, 4; 28th, 7; 29th, 1.

EVAPORATION STATION, CLARKSBURG, W. VA.

An evaporation station was established at Clarksburg, W. Va., May 17, 1923. The station is located at the Clarksburg Filtration Plant, which is 2 miles southwest of the city and in latitude 39 degrees 16 minutes Nortn and longitude 80 degrees 20 minutes West. There is an excellent hard road from Clarksburg to the station.

The evaporation tank, with its supplemental instruments, is placed on a low dome-shaped elevation, from which there is an excellent view of the surrounding country, the evaporation tank not being shaded by hills or other high objects in any direction. The West Fork River is 75 feet away to the northwest and is about 200 feet wide at the station. The Filtration Plant is 175 feet away to the north.

The station is a Standard Class A Evaporation Station, which is described in Circular L, Instument Division. The evaporation pan is cylindrical in form, made of galvanized iron, 10 inches deep and 48 inches in diamater, and the water in the pan when full is 8 inches deep. The pan rests on a leveled wooden support 2 inches in height, assuring drainage and air circulation.

Measurements are made by means of a modified form of the Boyden hook gage, which is adjusted by vernier to read to hundredths of inches. The anemometer is mounted on the same framework with the pan, the centers of the cups clearing the rim of the pan by about 1 inch. The ordinary 8-inch rain gage of the Weather Bureau is located 3 feet from the evaporatfon pan. The temperature equipment consists of the Henry J. Green instrument shelter inclosing maximum and minimum thermometers, the floor of the shelter being 4 feet above the ground and the thermometers about 5 feet above.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA.

Stations.	Mean barometric pressure. (sea level)	Mean relative humidity.			Sunshine.		Wind.				
		8 a. m.	local noon.	8 p. m.	Total hours.	Percentage of possible.	Total movement miles.	Average hourly velocity.	Max. velocity. Miles per hour.	Max. velocity. Direction.	Max. velocity. Date.
Cincinnati, Ohio	29.98	80	58	64	311.4	70	4,045	5.6	32	nw.	15
Columbus, Ohio	29.98	78	60	66	327.4	73	5,716	7.9	50	n.	24
Elkins	29.99	89	61	76	250.5	56	3,046	4.2	21	ne.	24
Lexington, Ky	29.99	74	55	....	240.2	56	7,796	10.8	36	se.	18
Parkersburg	30.00	79	55	66	288.6	65	3,633	4.2	31	nw.	24
Pittsburgh, Pa	29.97	73	51	60	316.0	70	6,138	8.5	51	nw.	15
Wytheville, Va	29.99	84	59	77	......	67	3,617	5.0	27	w.	28

COMPARATIVE DATA FOR JUNE.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	71.2	......	......	5.02						
1892	74.1	99	41	3.90	......	......	......	......	......	......
1893	70.2	99	40	3.81	6.41	1.83	......	13	10	7
1894	70.4	103	32	3.27	6.78	1.25	......	16	10	4
1895	72.1	102	38	2.92	5.66	1.20	......	15	10	5
1896	69.8	95	30	5.35	9.86	0.11	......	8	14	8
1897	69.3	96	35	4.31	6.77	1.31	......	12	12	6
1898	70.9	99	41	3.21	7.50	0.66	......	14	11	5
1899	72.0	98	35	4.99	8.93	1.46	......	14	9	7
1900	71.2	98	41	5.30	15.62	2.49	......	9	12	9
1901	70.7	104	32	5.67	11.10	1.37	......	12	12	6
1902	68.0	100	33	5.19	8.49	2.45	......	11	13	6
1903	65.1	93	34	4.80	12.30	2.01	......	8	11	11
1904	69.5	97	36	4.20	8.29	2.05	......	10	13	7
1905	70.6	100	34	4.38	7.72	1.74	......	13	11	6
1906	70.9	101	38	5.25	9.32	2.84	......	11	12	7
1907	65.3	97	33	6.00	11.95	1.93	......	10	11	9
1908	69.2	98	36	3.12	6.75	1.35	......	15	10	5
1909	71.1	101	35	5.73	9.19	2.47	......	9	13	8
1910	66.6	96	32	5.67	11.27	1.52	......	10	10	10
1911	70.7	101	40	4.44	9.34	1.88	......	14	10	6
1912	67.3	95	29	4.27	9.21	1.11	......	13	10	7
1913	69.5	99	29	3.44	6.55	0.86	......	18	8	4
1914	72.0	100	30	3.00	6.60	0.62	......	15	11	4
1915	67.7	95	33	3.63	7.09	1.21	......	15	8	7
1916	65.8	94	35	5.42	14.54	2.50	......	14	8	8
1917	67.7	99	31	3.81	6.58	1.38	......	14	9	7
1918	68.2	99	34	4.17	10.11	0.87	......	16	7	7
1919	73.0	100	40	5.06	10.15	1.67	......	16	8	6
1920	67.9	98	36	5.01	9.70	2.53	......	13	7	10
1921	72.4	101	38	4.01	8.67	0.47	......	15	9	6
1922	70.7	97	33	4.66	7.95	1.75	......	12	9	9
1923	70.2	102	35	4.54	10.37	1.25	......	16	7	7
Means and extremes	69.7	104	29	4.47	15.62	0.11	......	13	10	7

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., June 1923.

See temperature and precipitation data in Climatological Tables, Pages 22, 23, and 24.

Station.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation		.228	.271	.211	.271	.179	.241	.181	.157	.210	.038	.037	.055	.190	.180	.159	.184	.211	.245	.274	.261	.241	.292	.190	.291	.233	.176	.169	.488	.148	....	6.011
	Wind movement		44	45	43	51	69	95	124	74	51	58	40	55	45	46	39	29	29	31	42	37	31	57	60	58	77	68	32	106	33	....	1,569

Climatological Data for June, 1923.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	22	65.6	+2.3	91	22	35	30	44	6.71	+1.81	1.25	0	13	14	11	5	w.	U. G. Clark.
Brandywine	Pendleton	......	7	69.6	......	94	20	40	10†	40	2.20	......	1.20	0	4	25	0	5	sw.	Elmer Keister.
Burlington	Mineral	875	29	69.0	+0.7	94	23	35	29	47	3.18	-0.79	0.95	0	9	19	7	4	se.	Mary Vandiver.
Harpers Ferry	Jefferson	244	34	......	......	......	......	......	......	....	1.94	-1.88	0.63	0	11	......	......	......	......	J. C. Newcomer.
Inwood	Berkeley	569	1	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	H. W. Prettyman.
Martinsburg	Berkeley	435	31	74.0	+3.4	98	20†	49	13†	37	2.56	-1.80	0.80	0	10	26	0	4	w.	Dr. H. S. Gardner.
Moorefield	Hardy	900	27	......	......	99	4†	......	......	....	2.71	-1.45	1.02	0	8	27	0	3	......	M. S. Henkel.
Piedmont	Mineral	919	10	70.9	......	95	21	43	30	37	3.65	......	1.25	0	10	16	8	6	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	25	72.4ᵃ	+2.5	97ᵃ	3†	42	30	43ᵃ	2.91	-1.21	0.89	0	12	18	7	5	......	Geo. E. Arnold.
Stony River Dam	Grant	......	3	......	......	......	......	......	......	....	4.49	......	0.88	0	14	6	9	15	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	24	69.2ᵈ	+1.3	90ᵈ	1†	40ᵈ	11	39ᵈ	1.25	-2.94	0.75	0	2	16ʲ	1ʲ	3ʲ	......	J. M. Mallow.
Wardensville	Hardy	1,200	5	......	......	102ᵘ	5	......	......	....	2.54	......	......	0	8	......	......	......	......	Luther F. Sutton.
Averages and	extremes	......	....	70.1	+2.0	102	5	35	29†	47	3.10	-0.41	1.25	0	9	19	5	6	w.	
Northern Division.																				
Bens Run	Pleasants	622	21	72.9	+2.6	98	21	48	10	33	2.84	-1.68	1.05	0	10	17	8	5	......	J. D. Riggs.
Bruceton Mills	Preston	1,549	3	......	......	......	......	......	......	....	5.74	......	1.47	0	12	6	12	12	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	26	69.8	+1.2	92	22	44	10	30	10.37	+5.48	2.00	0	14	17	6	7	......	H. A. Darnall.
Cairo	Ritchie	680	24	71.5	+1.0	97	22	42	10	43	4.16	-0.65	1.40	0	9	14	11	5	......	O. C. Hess.
Cheat Bridge	Randolph	3,558	5	61.3ᵃ	......	90ᵃ	22	35	10	43ᵃ	6.49	......	1.70	0	13	19	4	7	......	H. F. Cromer.
Clarksburg	Harrison	1,015	1	71.8	......	97	22†	44	10	37	5.13	......	1.46	0	13	17	9	4	nw.	Clarksburg Water Board.
Cortland	Tucker	3,300	12	......	......	......	......	......	......	....	4.40	......	0.86	0	12	3	18	9	......	G. W. Harmon.
Creston	Wirt	701	21	72.8	+2.2	97	22	40	9	42	3.71	-0.56	1.18	0	11	18	4	8	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	2	......	......	......	......	......	......	....	6.63	......	1.80	0	12	......	......	......	......	Lockmaster.
Dam 12 O. R.	Ohio	614	7	......	......	......	......	......	......	....	2.88	......	0.87	0	8	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	605	7	......	......	......	......	......	......	....	2.47	......	0.48	0	10	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	2	......	......	......	......	......	......	....	4.53	......	1.92	0	13	......	......	......	......	Lockmaster.
Davis	Tucker	3,093	14	......	......	......	......	......	......	....	6.15	+2.23	1.70	0	15	17	5	8	w.	Ross C. Male.
Elizabeth	Wirt	646	11	......	......	......	......	......	......	....	3.70	......	0.93	0	10	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	22	67.2	+0.6	93	22	41	10	34	6.94	+1.90	1.96	0	13	6	12	12	w.	U. S. Weather Bureau.
Fairmont	Marion	883	17	70.6	+0.3	94	21	45	10	34	5.25	+0.76	1.90	0	14	25	1	4	w.	Creed E. Bolyard.
Glenville	Gilmer	738	29	74.0	+3.2	99	21†	46	10	38	5.18	+0.71	1.23	0	10	19	7	4	w.	Howard R. Brannon.
Grafton	Taylor	1,000	30	68.8	-0.4	98	22	39	10	42	7.34	+2.81	1.93	0	7	16	3	11	w.	W. A. Williams.
Lost Creek	Harrison	1,026	25	67.4	-0.4	96	21	38	10	44	4.63	+0.44	1.53	0	10	17	6	7	w.	Allen Smith.
Mannington	Marion	974	20	69.2	+1.1	92	22	40	10	35	4.60	+0.38	1.18	0	14	14	11	5	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	30	72.0	+2.9	96	22	45	10†	34	5.17	+0.63	1.47	0	8	1	15	14	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	20	......	......	......	......	44ᶠ	10†	....	......	......	......	0	......	16ᶠ	6ᶠ	2ᶠ	sw.	G. W. Wright.
New Cumberland	Hancock	987	25	71.1	+3.2	96	18†	45	10†	43	3.32	-1.35	1.74	0	11	12ᵃ	8ᵃ	9ᵃ	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	29	72.0	+0.6	100	22	43	10	40	5.30	+1.23	1.05	0	11	22	4	4	s.	Wm. Ankrom.
Parkersburg	Wood	638	36	73.0	+1.5	95	22	48	10	30	5.42	+0.77	2.35	0	11	12	10	8	nw.	U. S. Weather Bureau.
Parsons	Tucker	1,656	23	69.7	+3.6	97	21	37	11	44	6.80	+1.56	......	0	9	14	10	6	......	J. W. Swisher.
Philippi	Barbour	1,149	26	70.0	+1.6	97	22	43	10	37	6.71	+2.19	1.13	0	14	12	10	8	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	20	65.9	+0.8	92	4†	38	30	39	9.18	+3.07	1.56	0	12	18	5	7	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	36	......	......	......	......	......	......	....	7.44	+2.42	2.04	0	12	......	......	......	w.	J. F. Pierce.
Saint Marys	Pleasants	577	14	......	......	......	......	......	......	....	3.95	+0.18	1.50	0	10	......	......	......	sw.	Wm. Hughes.
Smithfield	Wetzel	835	17	71.0	+3.1	95	18†	43	30	41	5.36	+0.77	1.37	0	14	20	7	3	se.	G. M. Whisler.
Terra Alta††	Preston	2,612	22	63.8	-2.0	87	22	35	30	35	5.97	-1.01	1.20	0	12	12	11	7	w.	J. J. Shanahan.
Wellsburg	Brooke	1,225	22	70.2	+2.6	95	22	42	11†	43	6.67	+2.18	3.34	0	9	11	14	5	......	George P. Pfister.
Weston	Lewis	1,026	27	70.8	+0.5	95	22	44	10	34	6.25	+1.70	1.02	0	13	14	9	7	......	Weston State Hospital.
Wheeling	Ohio	645	36	72.5	+1.6	99	19	43	30	46	2.05	-1.76	0.56	0	8	16	5	9	w.	Miss M. B. Forsyth.
Averages and	extremes	......	....	70.2	+1.6	100	22	35	10	46	5.36	+1.06	3.34	0	11	15	8	7	w.	
Southern Division.																				
Bancroft	Putnam	574	19	68.3	-2.6	87	21	48	9†	25	3.64	-0.99	0.87	0	11	15	5	10	se.	E. H. Morrow.
Beckley	Raleigh	2,410	23	64.8ᵃ	-2.4	85ᵃ	4†	40ᵃ	29	36ᵃ	4.21	-0.22	1.18	0	8	8	16	6	w.	E. E. Phipps.
Bluefield	Mercer	2,558	28	70.8	+2.0	93	10	40	12	39	2.69	-2.09	1.02	0	15	23	2	5	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	8	......	......	......	......	......	......	....	5.02	......	1.00	0	8	9	0	21	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	20	75.2	+2.1	94	19†	51	9	38	4.35	-0.25	0.82	0	12	15	9	6	w.	C. V. Lewis.
Clay	Clay	706	7	......	......	......	......	......	......	....	4.74	......	1.20	0	13	......	......	......	......	Mark King.
Dam 19 O. R.	Wood	557	7	......	......	......	......	......	......	....	4.73	......	2.20	0	12	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	7	......	......	......	......	......	......	....	3.50	......	1.06	0	12	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	7	......	......	......	......	......	......	....	3.73	......	1.00	0	8	......	......	......	......	U. S. Engineer Office.
Gary	McDowell	1,426	7	66.6ᵍ	......	86ᵍ	25	48ᵍ	11†	22ⁱ	6.48	......	1.87	0	13	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	27	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	W. H. Gwinn.
Hinton	Summers	1,450	26	71.8	+1.3	93	4	48	10†	35	4.60	+0.37	1.10	0	12	14	1	15	n.	J. B. Lavender, C. E.
Huntington	Cabell	538	29	73.6	+1.0	93	22	51	9†	29	5.20	+0.94	1.48	0	8	19	5	6	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	4	......	......	......	......	......	......	....	1.91	......	0.60	0	6	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	7	......	......	......	......	......	......	....	6.41	......	1.26	0	15	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	23	68.5	+1.3	91	21†	42	10	37	2.68	-1.56	0.91	0	9	15	9	6	s.	Geo. T. Argabate.
Marlinton	Pocahontas	2,131	24	65.0	+0.2	88	20	40	10†	34	3.44	-1.52	1.74	0	12	0	27	3	s.	S. L. Brown.
Organ Cave	Greenbrier	......	1	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	D. C. Humphreys.
Point Pleasant ††	Mason	553	30	73.4	+1.0	95	4†	48	9†	30	3.10	-1.30	1.02	0	6	11	8	11	......	W. D. Holmes.
Powellton	Fayette	933	27	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	7	......	......	......	......	......	......	....	3.60	......	1.00	0	8	......	......	......	......	Raleigh Coal & Coke Co.
Ravenswood (Dam 22)	Jackson	538	8	71.8	......	95	19	45	9	34	4.42	......	1.58	0	7	14	0	16	sw.	Lockmaster.
Robertsburg	Putnam	574	23	72.6	+1.3	96	21	46	9†	37	3.58	-0.47	0.72	0	11	19	0	11	......	M. Frazier.
Ryan	Roane	700	20	70.4	+1.3	92	18†	43	9	37	5.00	+0.53	0.87	0	14	11	11	8	......	Wm. E. Ryan.
Sharples	Logan	......	3	......	......	......	......	......	......	....	4.43	......	1.05	0	8	......	......	......	......	C. E. Rippetoe.
Spencer	Roane	784	19	69.4	-0.5	90	19†	43	9†	35	5.54	+1.19	1.28	0	10	11	14	5	......	A. M. McKown.
Sutton	Braxton	839	17	68.8	-4.0	97	22†	42	9†	46	6.08	+1.05	1.37	0	13	17	2	11	......	C. B. Eakle.
Union	Monroe	2,250	19	70.4ᵈ	+3.4	93ᵈ	4†	41ᵈ	11	45ᵈ	2.76	-1.56	0.80	0	7	15ᵉ	6ᵉ	4ᵉ	......	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	13	70.0	+3.1	91	22	44	8†	40	2.83	-1.73	0.71	0	9	28	1	1	......	J. M. Ayres.
Williamson	Mingo	660	23	73.1	+1.1	91	22	51	30	27	2.42	-2.21	1.30	0	9	19	8	3	w.	J. F. Keyser.
Averages and	extremes	......	....	70.1	+0.6	97	22†	40	10†	46	4.11	-0.61	2.20	0	10	15	7	8	w.	
State averages and	extremes	......	....	70.2	+1.3	102	5	35	10†	47	4.54	+0.27	3.34	0	11	16	7	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ᵃ, ᵇ, ᶜ appearing in the table indicate number of days missing; for example, ᵇ represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for June, 1923.

Stations.	Drainage-basin.	Day of month.																														Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac				.38	T.	.38	.42	.09			1.02	.03	.43		T.	.18								.85	.37	T.	1.25	.86	.45			6.71
Brandywine	do		T.									*	.95	1.20		.05																	2.20
Burlington	do				T.	.25	.10					.95		.36		.12										.12	.28		.50	.50			3.18
Harpers Ferry |||	do				.34		.03	.16	.21			.24	.39	.12	.13		.05								.21					.06			1.94
Inwood	do																																
Martinsburg	do			.17			.10				.08	.60	.28	.17	.08									.80			T.	.06	.22				2.56
Moorefield	do							.15				.68	.05	1.02		.05								.50			.16		.10				2.71
Piedmont	do						.03	.07	T.			1.11	.07	.25		.18										.12	T.	.24	1.25	.33			3.65
Romney	do					.02	.10	.14	.04			.53	.40	.36	.07										.11	.21		.04		.89			2.91
Stony River Dam |||	do					.27	.20	.27	.16			.28	.62	.64	.15		.10				.20	.04				.24		.88		.44			4.49
Upper Tract	do			T.								*	.50	.75		*											T.		T.				1.25
Wardensville |||	do				.31			.08																2.00				T.	T.	.15			2.54
Northern Division.																																	
Bens Run	Ohio	T.	T.			T.	.60	.27	.05			.37	.10	.03		.05									.12	.20			1.05				2.84
Bruceton Mills |||	Monongahela						.32	.48	.01			1.04	T.	.07		.46							.86	T.	.50	.25	.21	T	1.47	.07			5.74
Buckhannon	do						.45	.30	.15			1.05	.16	.90	.70	.70									2.00	.24	1.20	1.00	1.00	.52			10.37
Cairo	Little Kanawha						.20	.19	.28			.48	.02	T		.83									.60	.16	T.		1.40				4.16
Cheat Bridge |||	Monongahela				.45		.23	.15	.30			1.12	.55	1.70	.17	.32		.02	.56							.50	T.				.42		6.49
Clarksburg |||	do						.38	.19	.15			.35	T.	.09	.02		.32								.53	1.04	.03	.23	1.15	.65			5.13
Cortland |||	do				.26	.14	.44	.53			.20	.86	.65	.04		.24									.38		.13		.53				4.40
Creston |||	Little Kanawha					T	.02	.10	.22			.70	.56	.10			.35								.10	.13		.25	T.	1.18			3.71
Dam 10, Mon. R. |||	Monongahela						.07	.28	.03			.69	.62	.03	.15		.58								.42	1.80		.46		1.50			6.63
Dam 12, O. R. |||	Ohio						.32	.47				.15	.02				.03									.55		.87		.47			2.88
Dam 13, O. R. |||	do						.36	.40				.48		.03			.21								.03	.25		.16	.01	.51			2.17
Dam 15, Mon. R. |||	Monongahela						.32	.16	.08			.28	.25	.06	.12		.51								.16	.60	.04	.03		1.92			4.53
Davis |||	do					.15	.25	.43	.76	T.		.14	.75	.35	.22		.15								.17	.33	.04	.70		1.70	.01		6.15
Elizabeth |||	Little Kanawha					.15	.05	.20	.36			.15	.85				.46									.51		.04		.93			3.70
Elkins ***	Monongahela				.01	T.	.52	.47				1.96	.48	.63		.33								.18	.75	.02	.95		.60	.04			6.91
Fairmont |||	do						.36	.22	.11	T.		.33	.22	.20	.08		.52							.09	.11	.90	.05	.16		1.96			5.25
Glenville |||	Little Kanawha							.44	.38			.56	.72	.33			.62								.08	.06		.76		1.23			5.18
Grafton |||	Monongahela				1.20	.22						.85				.12								1.80		1.22		1.93					7.34
Lost Creek	do	T.					.09	.29	.30			.47	T.	.19		.10	T.								.49	1.06	.11	T.	1.53	T.			4.63
Mannington	do						.16	.45	.23			.58	.09	.13		.32	.02								.13	1.14	.07	.10	1.10	.08			4.60
Morgantown	do							.21				1.25	T.	.12		.36									.19	1.47	.27	T.	1.30	T.			5.17
Moundsville |||	Ohio		T.				.20	.50																		.02		1.40	.60				‡‡‡
New Cumberland |||	do				.06		.17	.18	.20	T.		.21	.03			.03									.22	1.74		.11		.37			3.32
New Martinsville	do			.15			.60	.85	.10			.60	.05	.15		.15									.80	.80			1.05				5.30
Parkersburg ***	Ohio	.41				.34	.16	.21				.36	.01			.28								.09	.45		.76	T.	2.35				5.42
Parsons	Monongahela				T.	*	*		T.			*	3.50	.60		T.								.20	.50		1.20		.80				6.80
Philippi	do		T.				.75	.63	.29			.69	.05	.66		.67	.07								.09	.49	.48	.08	1.13	.58			6.71
Pickens	do						.99	1.56	.43			1.32	.35	.97		.44							T.		.95	.86	.15		.46	.70			9.18
Rowlesburg |||	do						.70	.35	.75			.27	.40	.34	.15		.23								1.34	.70		.43		1.75			7.44
Saint Marys |||	Ohio		.40				.35	.06	.45			.22	.18	.16			.36									.27				1.50			3.95
Smithfield |||	Fishing Creek		.22			.21	.24	.27	.29			.39	.09	.15			.25								.18	1.00	.43	.26		1.37			5.36
Terra Alta	Monongahela						.79	.29	.07	T.		.84	T.	.35		.25	T.							T.	.16	.61	.53	.41	1.20	.47			5.97
Wellsburg	Ohio	1.12						.45	.45			.22				T.							.78	.03		3.18	.16		.28				6.67
Weston	Monongahela	.22					.77	.45				.78	.10			.92	.15								.29	.63	.04	.75	1.02	.15			6.25
Wheeling |||	Ohio		T.		T.		.21	.43	T.			.20	.02	T.			.05	T.							T.	.55		.03	T.	.56			2.65
Southern Division.																																	
Bancroft |||	Great Kanawha							.12	.21			.39	.37	.87			.48								.17	.01		.18	.10	.74			3.64
Beckley	do		.38									1.18	1.01	.72						.03			.61					.18	.10				4.21
Bluefield	do	.02	.06						.03			.08	1.00	1.02			.06	.01			.06	.01				.07	.02	.01	*	.24	T.		2.69
Camden-on-Gauley |||	do							1.00				.20	1.00	.80		.20								.20			.82		.80				5.02
Charleston |||	do						.10	.82	.32	T.		.40	.50	.35			.25								.18	.20		.78	.10	.35			4.35
Clay |||	do					.10	.12	.18	1.20			.70	.40	.45	.10										.06	.10	.02	.80		.51			4.74
Dam 19 O. R. |||	Ohio		.01			T.	.04	.02	.45			.30	.26	.02			.29				.14				T.	.32		.68	T.	2.20			4.73
Dam 20 O. R. |||	do		.10			.03	.12	.31	.08			.48	.43	.05			.42											.02	.40	1.06			3.50
Dam 26 O. R. |||	do								.15			.80	.65	.40			1.00											.43	.05	.25			3.73
Gary	Big Sandy			.30	.10				.14			.47	1.60	1.87			.82			.02			.41			.02		.48	.05	.20			6.48
Green Sulpr. Spgs.	do																																
Hinton |||	do			1.10			.36	T.				.60	.76	.72	.10							.08		.64	.14			.04	.04	.02			4.60
Huntington |||	Ohio						.16		T.			.70	.44	.44			.96							T.	1.48			.36		.66			5.20
Kanawha Falls |||	Great Kanawha						T.	.17					.60	.08			.30											.38		.38			1.91
Kayford |||	do						.30	.42	.05			.71	1.26	.87	.02		.27			.42					1.23	.01	.01		.07	.76	.01		6.41
Lewisburg	do	.06							.14			.83	.91	.41	.03										.04			.20	T.	.06			2.68
Logan	Guyandotte																																
Marlinton	Great Kanawha		.19			.06	.22	.06	.16			1.02	.72	.26		.08			.16			T.			T.		T.	.33	.18	T.			3.44
Organ Cave	do																																
Point Pleasant	Ohio						T.	T.	.62			.81	1.02	.15			.10												T.	.40			3.10
Powellton	Great Kanawha																																
Raleigh |||	do		.60									.20	.40	1.00	.20									.60	.40				.20				3.60
Ravenswood (Dam 22	Ohio	.40				.25		.25				1.20	.29			1.58													.45				4.42
Robertsburg |||	Great Kanawha					.10	.17	.27	.46			.72	.35	.28			.40								.08			.12	.11	.52			3.58
Ryan	do				.03	.01	.23	.42	.27			.80	.48	.35		.87							.03		.11		.14	.66	.60				5.00
Sharples |||	Coal River							.50					.55	.66			.30										.55	1.05	.22	.60			4.43
Spencer |||	Little Kanawha						T.	.20	.11		.83	1.07		.28			.52								.23	.89		.08	1.28				5.54
Sutton	Great Kanawha						.32	.36	.42			1.37	.32	.48			.28								.32	.27	.14	1.25	.37	.15			6.08
Union	do											.60	.80	.38			.71											.12	.11	.04			2.76
White Sulpr. Spgs. |||	do							.04			.53	.71	.60	.19											.25		.12		.15		.24		2.83
Williamson |||	Big Sandy							T.				.74	.72	.58			.04			T.				.05	.05			.03	.06	.15			2.42

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

‡‡‡ Probably incomplete.

Daily Temperatures for June, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	84	84	87	90	85	83	77	75	66	75	72	61	61	74	77	77	84	87	87	89	89	91	88	89	85	84	75	71	70	68	....	79.5
	Minimum	47	52	50	50	52	64	62	52	42	36	52	47	52	40	50	49	48	43	50	54	55	55	58	62	59	66	58	59	50	35	....	51.6
Brandywine	Maximum	90	91	90	91	92	88	87	85	82	80	80	70	65	70	80	85	89	90	93	94	93	92	93	92	89	89	85	82	81	80	....	85.6
	Minimum	54	53	52	54	55	56	49	53	50	40	54	52	54	49	54	57	60	58	55	60	57	57	55	54	60	61	62	50	45	40	....	53.7
Burlington	Maximum	89	91	91	92	91	86	86	84	74	78	65	67	65	80	89	83	85	89	91	93	93	92	94	92	90	92	87	78	70	72	....	84.3
	Minimum	52	57	51	52	52	43	67	52	54	43	56	54	57	48	57	55	54	54	57	67	49	62	66	66	63	67	40	38	35	43	....	53.7
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Martinsburg§	Maximum	90	97	95	95	96	92	92	78	76	79	66	73	64	90	87	85	88	91	95	98	98	94	98	96	97	95	85	86	77	79	....	87.8
	Minimum	60	62	62	65	62	60	61	56	54	62	56	58	49	56	58	60	55	58	67	67	72	69	68	69	72	58	55	53	49	49	....	60.1
Moorfield	Maximum	95	95	96	99	99	95	98	88	85	82	79	75	73	84	88	86	88	95	95	95	95	96	94	93	95	93	90	88	83	88	....	90.2
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Piedmont	Maximum	51	90	94	94	92	84	82	80	73	79	63	64	65	82	83	82	87	89	92	94	95	93	93	93	89	87	79	69	69	73	....	83.3
	Minimum	94	59	59	60	59	66	66	59	53	44	56	53	56	47	58	57	56	53	60	62	64	62	66	68	64	70	61	62	57	43	....	58.5
Romney	Maximum	94	94	97	97	97	89	87	71	77	81	63	67	77	83	87	85	88	90	97	95	96	95	96	94	93	91	83	72	73	....	....	86.5
	Minimum	51	60	59	57	58	65	66	67	54	47	56	54	56	49	61	55	56	53	57	63	60	62	66	67	62	69	65	62	52	42	....	58.4
Upper Tract	Maximum	90	90	85	89	87	86	85	80	81	....	59	....	61	....	80	83	88	87	87	88	89	89	90	89	89	....	78	76	77	76	....	83.0
	Minimum	51	51	54	53	56	65	66	54	54	....	40	....	50	....	45	50	51	51	50	56	58	59	59	58	58	....	63	62	62	61	....	55.3
Northern Division.																																	
Bens Run	Maximum	88	89	90	92	89	85	83	75	76	80	68	69	79	83	84	84	89	94	95	93	98	97	93	90	88	87	82	75	71	79	....	84.8
	Minimum	59	61	63	64	65	66	66	56	49	48	57	58	58	54	60	60	63	61	74	62	65	69	68	67	65	72	59	60	53	49	....	61.0
Buckhannon	Maximum	84	84	87	88	86	81	80	74	79	74	63	67	76	75	80	78	83	87	88	87	89	92	89	81	82	82	76	74	64	70	....	80.0
	Minimum	57	60	59	59	62	65	66	59	59	44	55	57	56	57	55	53	56	59	63	63	63	65	63	65	67	69	61	64	54	54	....	59.6
Cairo	Maximum	89	89	91	92	89	88	86	81	75	80	75	65	77	82	85	81	88	92	94	94	96	97	93	91	90	83	84	80	72	75	....	85.5
	Minimum	55	58	59	49	65	61	67	56	44	42	57	55	58	49	54	59	58	57	61	58	59	64	65	66	63	67	58	60	52	46	....	57.5
Clarksburg	Maximum	86	87	94	92	96	87	81	83	71	81	76	70	70	82	82	80	89	92	94	91	92	97	96	97	86	87	88	76	72	71	....	84.9
	Minimum	57	60	60	59	59	61	67	56	48	44	57	55	57	51	56	58	60	56	62	64	63	65	65	65	63	69	58	64	56	46	....	58.8
Creston	Maximum	88	90	92	93	91	88	88	80	78	83	71	68	78	83	85	87	91	96	95	96	96	97	94	93	91	89	83	80	72	78	....	86.5
	Minimum	60	58	61	62	66	66	69	57	40	41	58	53	58	52	56	59	58	59	63	62	64	65	66	67	64	68	58	62	54	49	....	59.2
Elkins	Maximum	85	83	88	89	84	81	78	70	67	74	61	64	62	75	79	77	84	85	88	88	89	93	87	83	82	82	73	73	64	70	....	78.6
	Minimum	56	58	55	55	55	65	65	52	48	41	54	53	50	48	58	53	54	56	57	60	62	61	63	61	60	66	61	57	52	42	..	68.0
Fairmont§	Maximum	88	88	89	92	89	84	81	69	74	77	64	68	70	70	82	84	85	90	92	92	94	93	91	86	86	84	78	74	69	73	....	81.9
	Minimum	58	61	61	62	65	64	66	59	49	45	55	55	57	50	55	60	59	56	63	66	65	67	68	65	63	67	60	61	54	46	....	59.4
Glenville	Maximum	92	93	94	97	91	90	87	86	77	84	82	69	76	84	87	86	93	97	97	98	99	99	96	94	90	90	85	80	78	80	....	88.4
	Minimum	60	60	60	61	62	66	66	57	47	46	56	56	57	52	56	58	59	60	64	64	64	65	65	66	64	67	60	62	55	49	....	59.5
Grafton	Maximum	89	88	90	92	90	85	83	78	72	78	64	70	72	80	84	83	85	86	94	92	93	98	92	88	88	89	76	75	72	73	....	83.3
	Minimum	52	54	56	55	58	62	62	54	42	39	54	49	55	46	51	54	52	51	52	61	61	62	60	56	60	59	55	60	50	46	....	54.3
Lost Creek	Maximum	79	80	80	79	80	78	79	78	72	68	67	65	69	72	71	75	80	91	90	90	96	95	94	83	85	83	78	75	68	72	....	79.2
	Minimum	54	56	56	55	60	64	65	53	42	38	55	55	55	45	56	54	55	50	59	60	58	60	60	63	60	67	55	62	53	41	....	55.5
Mannington	Maximum	86	85	87	89	87	83	81	79	72	75	71	69	71	78	81	80	83	88	90	89	91	92	89	86	85	83	79	74	67	70	....	81.3
	Minimum	54	57	57	58	62	63	64	56	42	40	56	54	56	50	53	61	58	53	59	63	61	64	63	63	62	67	57	61	56	41	....	57.0
Morgantown	Maximum	89	88	91	94	92	87	83	81	74	77	70	70	70	80	84	86	86	92	94	93	94	95	92	87	86	86	77	73	70	70	....	83.7
	Minimum	61	61	62	78	69	65	66	55	48	45	55	54	56	51	60	58	58	58	64	65	65	68	69	65	63	70	60	61	54	45	....	60.3
New Cumberland§	Maximum	90	90	94	93	90	88	81	63	72	80	70	75	80	82	69	82	91	96	96	95	95	94	95	95	93	88	77	67	69	78	....	84.4
	Minimum	54	59	60	63	63	72	67	56	46	45	58	54	52	49	53	57	53	53	57	64	63	57	66	64	66	73	56	54	51	45	....	57.8
New Martinsville	Maximum	90	90	93	94	90	89	84	82	76	83	77	70	82	86	86	85	90	95	96	96	99	100	93	92	92	88	86	75	72	80	....	87.0
	Minimum	55	58	59	58	62	63	62	53	44	43	55	53	55	51	55	58	60	56	60	61	61	65	64	63	61	67	55	57	52	45	....	57.1
Parkersburg	Maximum	87	88	92	91	88	86	85	69	73	77	67	71	76	83	86	83	88	93	94	93	94	95	92	91	85	90	77	77	68	74	....	83.9
	Minimum	64	63	64	65	70	68	67	56	53	48	59	60	61	54	61	60	61	63	68	64	66	70	70	67	67	70	63	59	52	50	....	62.1
Parsons	Maximum	91	92	93	94	94	85	83	69	74	77	81	85	70	82	88	85	90	95	94	95	97	96	93	83	97	85	86	81	70	78	....	85.9
	Minimum	49	54	53	55	52	56	61	50	46	48	37	49	49	45	49	55	54	58	57	57	67	64	60	63	60	57	55	53	51	40	....	53.5
Philippi	Maximum	86	86	88	94	86	82	80	80	71	76	71	66	68	77	80	81	84	90	93	90	93	97	89	85	85	83	77	73	70	72	....	81.8
	Minimum	49	49	62	62	65	65	65	53	49	43	54	51	54	48	59	52	58	60	63	64	63	66	67	61	62	68	59	62	58	47	....	58.1
Pickens	Maximum	84	85	89	92	85	79	79	70	67	70	64	65	60	74	81	81	84	90	90	89	90	92	89	82	82	81	77	73	67	71	....	79.4
	Minimum	51	48	54	53	56	60	60	50	44	40	54	43	48	41	52	47	51	56	55	58	56	58	58	56	56	65	57	60	48	38	....	52.4
Terra Alta	Maximum	81	80	83	83	81	80	73	72	64	66	66	60	59	71	75	74	77	82	84	83	84	87	85	81	79	77	69	66	64	63	....	75.0
	Minimum	46	58	52	53	56	62	62	50	44	38	50	46	51	42	55	54	50	50	50	57	57	54	59	62	60	64	57	57	48	35	....	52.6
Wellsburg	Maximum	90	89	91	94	88	87	84	78	67	81	76	72	77	82	80	81	90	93	93	94	93	95	92	92	92	86	78	78	70	75	....	84.6
	Minimum	53	54	58	59	57	66	65	54	45	56	42	54	51	49	55	58	50	50	57	61	59	64	63	64	63	67	56	56	50	42	....	55.9
Weston	Maximum	86	87	87	92	86	84	82	80	73	77	70	68	69	79	82	81	85	91	91	91	93	95	87	87	86	85	79	75	71	72	....	82.4
	Minimum	60	60	61	60	64	65	66	57	48	44	56	56	56	51	57	55	57	57	63	64	63	62	66	65	64	70	60	63	55	47	....	59.1
Wheeling§	Maximum	92	92	96	97	91	91	86	65	78	84	68	74	82	86	88	83	92	98	99	98	98	98	97	96	95	90	80	69	72	78	....	87.3
	Minimum	55	59	61	60	62	65	65	55	44	44	58	55	54	50	57	60	57	52	60	62	61	61	64	64	61	70	57	58	51	43	....	57.7
Southern Division.																																	
Bluefield	Maximum	83	87	82	84	84	81	83	81	92	93	81	79	81	77	81	81	81	83	83	82	81	84	85	85	87	82	82	80	81	80	....	83.0
	Minimum	59	56	57	57	73	60	61	64	65	64	42	40	57	52	54	51	54	57	59	62	59	63	64	64	64	64	64	64	52	57	....	58.7
Charleston	Maximum	90	90	91	91	89	85	87	89	89	90	88	71	80	81	85	87	89	93	94	94	94	93	93	90	89	87	84	85	82	80	....	87.8
	Minimum	62	62	65	66	68	60	66	64	51	59	57	57	60	59	58	60	64	62	66	68	68	68	69	70	69	68	63	65	55	52	...	62.7
Green Sulphur Spgs.	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Hinton §	Maximum	87	89	88	93	84	86	90	77	78	83	80	68	62	81	81	85	92	90	90	90	89	91	89	84	89	86	81	85	67	76	....	83.8
	Minimum	59	64	59	59	60	66	64	65	49	48	48	60	57	54	54	56	59	61	63	65	65	67	66	65	65	65	61	64	57	49	....	59.9
Huntington §	Maximum	86	86	90	91	88	86	87	72	75	82	65	65	78	81	85	82	87	90	91	90	92	93	92	88	88	89	79	80	70	73	....	83.4
	Minimum	67	66	65	67	71	70	70	64	51	53	60	60	60	58	62	62	62	66	68	65	66	69	70	67	71	71	65	66	55	51	....	63.9
Lewisburg	Maximum	83	85	87	89	86	81	83	78	70	79	75	66	61	75	78	82	87	86	89	88	91	88	91	84	84	83	79	82	73	71	....	81.1
	Minimum	55	55	54	53	57	65	63	56	47	42	55	57	54	50	50	51	52	58	59	58	59	61	59	62	60	63	63	63	54	43	....	55.9
Marlinton	Maximum	82	80	82	84	80	78	76	68	66	74	68	62	58	70	74	76	82	80	82	88	86	84	86	80	82	80	72	78	68	66	....	76.4
	Minimum	56	58	54	54	58	60	58	54	44	40	54	52	50	48	48	50	50	56	58	60	52	58	60	56	58	60	56	56	52	40	....	53.7
Point Pleasant	Maximum	79	84	88	95	88	84	81	76	73	75	75	79	76	83	86	83	88	93	94	95	94	95	92	91	88	90	79	77	78	68	....	84.1
	Minimum	62	62	63	66	68	68	70	59	48	48	59	60	61	54	61	61	62	63	68	65	67	71	71	68	65	71	63	64	61	52	....	62.8
Powellton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Robertsburg§	Maximum	84	85	93	91	90	86	86	68	76	84	68	66	78	84	83	86	92	94	94	94	96	94	94	92	90	88	78	80	70	79	....	85.0
	Minimum	62	59	61	63	66	68	68	60	46	47	59	60	58	53	57	60	57	61	65	62	62	64	66	68	68	65	58	64	53	46	....	60.2
Ryan	Maximum	87	88	89	91	87	86	85	76	74	79	69	68	72	79	83	83	88	92	90	91	92	92	91	89	88	88	80	75	71	77	....	83.4
	Minimum	55	56	56	58	62	66	64	55	43	44	57	58	58	50	53	52	57	55	60	61	60	61	63	65	64	66	58	64	53	44	....	57.3
Spencer §	Maximum	85	86	88	89	85	86	83	61	72	78	62	63	71	78	81	79	87	89	90	89	90	90	90	86	86	84	75	68	74	73	....	80.6
	Minimum	63	58	60	60	65	67	68	60	43	43	48	57	58	51	55	56	56	60	62	63	62	64	64	64	64	65	59	54	48	49	....	58.2
Union	Maximum	87	89	....	93	92	85	88	87	78	....	86	77	63	78	81	86	91	....	90	91	89	89	93	91	88	...	82	85	76	75	....	85.0
	Minimum	54	54	....	51	59	66	65	63	41	....	41	57	50	51	49	52	52	....	59	58	59	62	60	62	62	...	62	62	54	42	....	55.9
White Sulphur Spgs§	Maximum	88	90	91	86	83	87	78	75	83	74	62	60	79	84	84	90	89	92	91	91	90	94	81	88	88	85	85	67	69	88	....	83.1
	Minimum	58	57	53	56	64	61	63	41	56	58	55	53	49	51	54	57	60	59	62	62	62	62	60	63	62	61	56	51	44	48	....	56.9
Williamson §	Maximum	86	85	88	89	86	83	85	77	74	81	80	73	76	79	81	82	87	89	89	89	90	91	89	80	85	86	82	80	68	71	....	82.7
	Minimum	62	65	62	67	66	66	67	68	56	54	58	65	63	58	58	60	64	66	65	66	68	68	68	68	68	68	68	67	56	51	....	63.5

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXXI. Parkersburg, W. Va., July, 1923. No. 7.

GENERAL SUMMARY.

July averaged somewhat cooler and slightly wetter than usual, and the month was characterized by frequent thunderstorms, attended by heavy rains in many localities of the central and western counties. However, destructive hail storms were not reported. Over the extreme eastern counties the conditions were droughty until near the close of the month, causing considerable damage to meadows and pastures and all crops. Heavy rains over the central and western counties also caused some damage to corn and potatoes. As a rule, however, all crops made favorable growth over the western and central portions of the State. Corn and pastures made excellent growth. Wheat was harvested under generally favorable weather conditions, with fair to good yield. At the close of the month oats were being harvested and haying was well advanced.

TEMPERATURE.

The monthly mean for the State, determined from 54 stations, was 71.7°. The departure from the normal for 46 stations having ten or more years of record was −1.2°. The month opened decidedly cool and the temperature was also somewhat below the normal from the 7th to the 9th, 17th to the 20th, and from the 22d to the 28th. The highest temperatures occurred generally on the 10th, 11th, 12th, and 20th. The temperature was also high on the 5th and 6th.

PRECIPITATION.

The average precipitation for the State, determined from 76 stations, was 4.70 inches. The departure from the normal for 51 stations having ten or more years of record was +0.12 inch. The precipitation was heaviest over the central and western counties and lightest over the eastern panhandle section. Nearly all the precipitation was received on the 6-8th, 11-13th, 16th, 22d-24th, 27-28th, and 30th-31st, the greatest amounts being recorded on the 6-7th, 12-13th, 24th, and 28th. Rainfalls exceeding 2.50 inches in 24 hours occurred as follows: Kanawha Falls, 4.45; Glenville, 3.31; Pickens, 3.25; Saint Marys, 3.20; Weston, 3.00; Point Pleasant, 2.81; Elizabeth, 2.76; Hinton, 2.60 inches.

HAIL.

Light hail fell in sections of the following counties on dates indicated: Berkeley, 22d and 29th. Randolph, 21st. Webster, 24th, 28th, and 30th.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bancroft, 14th, 15th, 17th, 20th, 21st, and 31st; Elkins, 17th, 19th, 26th, 29th, and 30th; Hinton, 3d, 4th, 11th, 14th, 15th, and 19th; Mannington, 1st, 8th, 10th, 15th, 17th, 18th, 20th, 26th, and 31st; Marlinton, 8th, 9th, 11th, 17th, 19th, 21st, 25th, and 26th; New Cumberland, 1st, 9th, 13th, 14th, 18th, 19th, 20th, 22d, 23d, and 26th; Pt. Pleasant, 20th and 21st; Romney, 14th, 18th, 19th, and 30th; Wheeling, 18th and 19th.

Haze, light: Pickens, 22d.

Thunderstorms (dates and number of stations reporting): 3d, 3; 4th, 1; 5th, 5; 6th, 11; 7th, 5; 10th, 3; 11th, 9; 12th, 11; 13th, 2; 15th, 2; 16th, 9; 21st, 2; 22d, 5; 23d, 1; 24th, 8; 25th, 3; 27th, 4: 28th, 6; 29th, 2; 30th, 11; 31st, 4.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA.

Stations.	Mean barometric pressure. (sea level)	Mean relative humidity.			Sunshine.		Wind.				
		8 a. m.	local noon.	8 p. m.	Total hours.	Percentage of possible.	Total movement miles.	Average hourly velocity.	Max. velocity. Miles per hour.	Direction.	Date.
Cincinnati, Ohio	30.00	77	53	59	322.6	71	3,685	5.0	32	n.	6
Columbus, Ohio	30.02	74	50	59	344.4	76	5,756	7.7	50	nw.	6
Elkins	30.02	90	59	76	254.1	56	2,465	3.3	24	sw.	22
Lexington, Ky	30.01	78	55	....	281.2	63	6,979	9.4	44	nw.	24
Parkersburg	30.03	80	59	71	297.8	66	2,782	3.7	30	nw.	7
Pittsburgh, Pa	30.02	75	53	62	296.5	63	5,841	7.9	53	nw.	6
Wytheville, Va	30.02	88	63	75	284.6	64	2,987	4.0	18	w.	6

COMPARATIVE DATA FOR JULY.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	67.5	......	......	5.59						
1892	73.4	98	41	4.20	......	......	......	......	......	......
1893	73.8	98	42	2.96	......	......	......	......	......	......
1894	73.3	100	36	2.21	5.95	1.37	......	20	10	1
1895	70.5	99	39	4.35	4.84	0.50	......	10	19	2
1896	73.3	97	46	9.07	7.04	1.65	......	11	13	7
1897	74.2	102	46	5.43	15.70	2.91	......	9	12	10
1898	75.0	103	40	4.46	9.92	2.85	......	11	12	8
1899	73.3	100	33	3.78	8.33	1.53	......	12	7	12
1900	74.7	104	41	4.38	7.92	0.20	......	14	10	7
1901	77.4	104	47	3.16	7.88	1.72	......	15	11	5
1902	74.2	104	45	3.54	6.21	0.69	......	14	12	5
1903	72.5	100	37	3.74	8.42	0.96	......	14	12	5
1904	71.5	97	42	3.28	8.30	1.82	......	16	10	5
1905	73.3	98	43	5.92	6.00	1.04	......	14	12	5
1906	72.4	98	45	4.54	10.64	3.00	......	12	11	8
1907	72.7	98	42	6.66	7.40	1.50	......	12	11	8
1908	74.0	100	41	5.21	13.36	1.99	......	12	14	5
1909	70.2	96	36	4.17	9.43	2.08	......	14	13	4
1910	73.8	98	41	4.92	10.50	0.60	......	14	11	6
1911	73.3	106	40	2.82	13.16	0.54	......	13	12	6
1912	72.0	100	45	7.48	6.94	0.40	......	16	12	3
1913	74.2	103	40	5.80	15.22	2.67	......	12	12	7
1914	73.1	106	38	4.11	10.07	2.14	......	15	12	4
1915	71.9	99	38	4.63	7.74	0.98	......	16	10	5
1916	74.8	102	42	3.49	11.31	1.82	......	12	11	8
1917	72.6	104	44	4.83	9.47	1.06	......	16	8	7
1918	70.3	101	38	3.18	8.27	1.25	......	14	10	7
1919	74.3	104	41	5.51	6.90	1.04	......	17	7	7
1920	70.1	99	40	4.84	13.08	1.96	......	18	7	6
1921	75.6	101	44	3.58	8.94	2.34	......	16	8	7
1922	72.9	99	43	4.53	8.90	1.08	......	16	10	5
1923	71.7	100	37	4.70	8.05	1.33	......	15	8	8
					9.46	2.22	......	16	8	7
Means and extremes	73.0	106	33	4.58	15.70	0.20	......	14	11	6

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., July, 1923.

See temperature and precipitation data in Climatological Tables, Pages 26, 27, and 28.

Station.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation	.136	.045	.104	.210	.181	.189	.135	.227	.276	.237	.228	.137	.150	.250	.180	.143	.217	.216	.214	.218	.222	.210	.225	.070	.188	.184	.068	.105	.145	.194	.226	5.530
	Wind movement	22	9	29	41	39	26	33	49	39	37	45	32	35	40	43	18	38	46	39	31	41	58	43	23	63	27	36	11	49	41	28	1,111

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for July, 1923.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	22	66.8	− 0.8	88	10	41	1	41	4.10	−0.84	1.22	0	11	16	13	2	sw.	U. G. Clark.
Brandywine	Pendleton	.....	7	71.2	.....	94	11	44	1	40	3.20	.....	0.70	0	10	20	3	8	sw.	Elmer Keister.
Burlington^{a}	Mineral	875	29	71.3	− 1.3	93	10†	46	1	37	2.35	−1.34	0.80	0	7	17	9	4	n.	Mary Vandiver.
Harpers Ferry	Jefferson	244	34	.....	.....	.....	.....	.....	.....	.....	2.63	−0.97	0.84	0	8	.....	.....	.....	.....	J. C. Newcomer.
Inwood	Berkeley	569	1	75.5	.....	100	20	46	2	44	3.31	.....	0.90	0	9	23	4	4	n.	H. W. Prettyman.
Martinsburg	Berkeley	435	31	75.6	+ 0.3	99	20†	52	24	36	3.90	+0.04	1.10	0	15	13	16	2	sw.	Dr. H. S. Gardner.
Moorefield	Hardy	900	27	.....	.....	97^{d}	11	.....	.....	.....	2.65	−0.74	0.85	0	12	22^{d}	4^{d}	1^{d}	.....	M. S. Henkel.
Moorefield																				
Piedmont	Mineral	919	10	72.3	.....	95	20	47	1	40	2.51	.....	0.57	0	14	9	11	11	se.	C. A. Suter, Jr.
Romney	Hampshire	824	25	72.4^{a}	− 2.5	95^{a}	20	46^{a}	1	40^{b}	3.14	−0.40	1.31	0	12	19	3	9	.....	Geo. E. Arnold.
Stony River Dam	Grant	.....	3	.....	.....	.....	.....	.....	.....	.....	4.32	.....	0.78	0	15	9	3	19	w.	A. C. Becker.
Upper Tract^{h}	Pendleton	1,230	24	68.8	− 3.2	90	10	47	23	40	.....	.....	.....	0	.....	18	1	4	.....	J. M. Mallow.
Wardensville	Hardy	1,200	5	70.3^{b}	.....	91^{b}	20†	42^{b}	1	39^{b}	4.65	.....	1.31	0	13	14^{a}	14^{a}	2^{a}	sw.	Luther F. Sutton.
Averages and	extremes	.....	....	71.6	− 1.5	100	20	41	1	44	3.34	−0.71	1.31	0	11	17	8	6	sw.	
Northern Division.																				
Bens Run	Pleasants	622	21	74.8	− 0.1	96	7	53	1	33	5.74	+1.19	2.28	0	9	21	5	5	.....	J. D. Riggs.
Bruceton Mills	Preston	1,549	3	.....	.....	.....	.....	.....	.....	.....	5.80	.....	1.44	0	9	4	17	10	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	26	70.3	− 1.7	86	11	50	1	28	5.12	−0.22	1.80	0	8	18	8	5	.....	H. A. Darnall.
Cairo^{m}	Ritchie	680	24	72.8	− 1.4	92	10	46	1	33	7.15	+2.55	1.30	0	.....	.....	.....	.....	.....	O. C. Hess.
Cheat Bridge	Randolph	3,558	5	62.4^{b}	.....	90^{b}	19	37^{a}	1	47^{c}	5.79	.....	2.00	0	11	16^{a}	3^{a}	11^{a}	.....	H. F. Cromer.
Clarksburg	Harrison	1,015	1	71.8	.....	91	20	48	23	36	3.25	.....	1.12	0	13	22	7	2	w.	Clarksburg Water Board.
Cortland	Tucker	3,300	12	.....	.....	.....	.....	.....	.....	.....	4.97	.....	1.24	0	12	11	10	10	.....	G. W. Harmon.
Creston	Wirt	701	21	73.8	− 0.8	95	20	48	1	37	6.41	+2.39	1.66	0	10	17	2	12	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	2	.....	.....	.....	.....	.....	.....	.....	4.08	.....	1.18	0	12	.....	.....	.....	s.	Lockmaster.
Dam 12 O. R.	Ohio	614	7	.....	.....	.....	.....	.....	.....	.....	4.30	.....	2.12	0	10	.....	.....	.....	.....	Lockmaster.
Dam 13 O. R.	Ohio	605	7	.....	.....	.....	.....	.....	.....	.....	3.58	.....	2.30	0	8	.....	.....	.....	.....	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	2	.....	.....	.....	.....	.....	.....	.....	6.50	.....	1.28	0	11	.....	.....	.....	w.	Lockmaster.
Davis	Tucker	3,093	14	.....	.....	.....	.....	.....	.....	.....	5.55	−0.01	1.14	0	12	19	6	6	w.	Ross C. Male.
Elizabeth	Wirt	646	11	.....	.....	.....	.....	.....	.....	.....	9.46	+5.17	2.76	0	9	.....	.....	.....	.....	E. D. Ball.
Elkins	Randolph	1,947	22	69.0	− 1.5	86	10	47	1	32	3.73	−0.91	1.37	0	11	5	15	11	w.	U. S. Weather Bureau.
Fairmont	Marion	883	17	72.2	− 2.0	90	10	49	1	34	5.04	+0.31	1.20	0	11	23	3	5	w.	Creed E. Bolyard.
Glenville	Gilmer	738	29	75.6	+ 0.7	95	5†	50	1	38	7.85	+2.56	3.31	0	10	19	8	4	w.	Howard R. Brannon.
Grafton	Taylor	1,000	30	71.2	− 1.6	90	10†	44	23	39	3.28	−1.71	1.80	0	3	19	11	1	w.	W. A. Williams.
Lost Creek	Harrison	1,026	25	69.9	− 2.3	88	5†	44	23	36	4.59	−0.19	1.40	0	10	13	13	5	w.	Allen Smith.
Mannington	Marion	974	20	70.2	− 1.8	88	10†	46	1	32	5.25	+0.28	1.54	0	11	12	12	7	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	30	73.0	− 0.5	90	10†	49	1	33	4.02	−1.05	1.40	0	8	6	13	12	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	20	74.0^{a}	− 0.2	97^{d}	10	49	1	42^{a}	4.60	+0.13	1.50	0	7	16	10	5	sw.	G. W. Wright.
New Cumberland	Hancock	987	25	72.7	− 0.1	96	21	51	20	43	3.50	−0.79	1.45	0	8	17	5	9	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	29	74.2	− 1.1	99	12	47	1	38	6.00	+1.20	1.85	0	10	19	6	6	s.	Wm. Ankrom.
Parkersburg	Wood	638	36	74.7	− 1.0	93	10	53	1	30	5.52	+0.86	1.58	0	10	12	9	10	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	23	70.7	+ 0.6	91	9†	42	11	52	4.20	−0.92	.....	0	.....	18	7	6	.....	J. W. Swisher.
Philippi	Barbour	1,149	26	72.0	− 0.4	87	10†	49	23	30	4.10	−0.88	0.80	0	12	15	6	10	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	20	67.8^{a}	− 0.8	88^{a}	20	41^{a}	1	35^{a}	8.36	+1.99	3.25	0	9	19	9	3	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	36	.....	.....	.....	.....	.....	.....	.....	2.98	−2.04	0.60	0	9	.....	.....	.....	w.	J. F. Pierce.
Saint Marys	Pleasants	577	14	.....	.....	.....	.....	.....	.....	.....	5.86	+1.75	3.20	0	12	.....	.....	.....	sw.	Wm. Hughes.
Smithfield	Wetzel	835	17	71.7	− 0.4	93	10	46	2	35	5.10	−0.29	2.10	0	12	16	11	4	se.	G. M. Whisler.
Terra Alta	Preston	2,612	22	64.8	− 4.3	81	14†	40	1	34	4.25	−1.31	0.90	0	13	13	10	8	w.	J. J. Shanahan.
Wellsburg	Brooke	1,225	22	71.8	0	94	20	47	1	39	3.22	−1.37	0.93	0	7	17	9	5	.....	George P. Pfister.
Weston	Lewis	1,026	27	72.1	− 2.2	87	5†	49	1	31	7.92	+2.95	3.00	0	11	12	14	5	.....	Weston State Hospital.
Wheeling	Ohio	645	36	73.5^{a}	− 1.4	98^{a}	10	48	1	40^{a}	4.09	−0.60	2.23	0	11	8	15	8	w.	Miss M. B. Forsyth.
Averages and	extremes	.....	....	71.5	− 1.0	99	12	37	1	52	5.17	+0.41	3.31	0	10	15	9	7	w.	
Southern Division.																				
Bancroft	Putnam	574	19	70.2	− 4.6	90	18†	50	1	31	5.20	+1.16	1.96	0	11	11	10	10	se.	E. H. Morrow.
Beckley	Raleigh	2,440	23	68.5	− 2.8	85	9†	45	3	35	3.89	−0.34	2.10	0	6	15	9	7	w.	E. E. Phipps.
Bluefield	Mercer	2,558	28	71.0^{c}	− 0.4	88	8	43^{c}	3†	38^{c}	2.68	−1.79	0.70	0	10	21	7	3	.....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	8	.....	.....	.....	.....	.....	.....	.....	3.70	.....	1.00	0	5	24	0	7	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	20	75.3	− 1.2	92	10†	56	2	28	6.07	+1.92	2.25	0	10	18	3	10	w.	C. V. Lewis.
Clay	Clay	706	7	.....	.....	.....	.....	.....	.....	.....	2.56	.....	0.66	0	9	.....	.....	.....	.....	Mark King.
Dam 19 O. R.	Wood	557	7	.....	.....	.....	.....	.....	.....	.....	6.04	.....	1.70	0	13	.....	.....	.....	.....	Lockmaster.
Dam 20 O. R.	Wood	551	7	.....	.....	.....	.....	.....	.....	.....	8.68	.....	2.53	0	9	.....	.....	.....	.....	Lockmaster.
Dam 26 O. R.	Mason	505	7	.....	.....	.....	.....	.....	.....	.....	5.15	.....	1.82	0	7	.....	.....	.....	.....	U. S. Engineer Office.
Gary	McDowell	1,426	7	67.6	.....	88	15†	51	1	25	3.85	.....	1.01	0	11	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hinton	Summers	1,450	26	72.4	− 1.7	92	10†	50	1	32	6.40	+2.45	2.60	0	11	14	0	17	n.	J. B. Lavender, C. E.
Huntington	Cabell	538	29	75.3	− 1.1	91	11	55	1	26	3.60	−0.64	1.66	0	10	13	10	8	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	4	.....	.....	.....	.....	.....	.....	.....	7.74	.....	4.45	0	7	.....	.....	.....	.....	J. O. Brown.
Kayford	Kanawha	1,335	7	.....	.....	.....	.....	.....	.....	.....	3.42	.....	1.15	0	11	.....	.....	.....	.....	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	23	69.4	− 1.6	88	30	49	1†	35	2.90	−1.18	0.77	0	9	18	6	7	s.	Geo. T. Argabate.
Logan	Logan	700	20	79.0^{b}	+ 3.3	97	10†	45	1	33^{d}	3.15	−2.75	1.00	0	7	18^{b}	5^{b}	6^{b}	.....	Geo. R. Travis.
Marlinton	Pocahontas	2,131	24	64.8	− 3.8	84	11	44	1	36	5.30	−0.03	1.61	0	14	1	27	3	sw.	S. L. Brown.
Organ Cave	Greenbrier	.....	1	.....	.....	.....	.....	.....	.....	.....	3.52	.....	0.74	0	11	.....	.....	.....	.....	D. C. Humphreys.
Point Pleasant	Mason	553	30	74.4	− 2.0	96	10	53	1†	36	5.22	+1.12	2.81	0	9	18	8	5	.....	W. D. Holmes.
Powellton	Fayette	933	27	71.4^{j}	+ 0.2	94^{i}	11	50^{g}	2	41^{j}	2.22	−2.27	0.65	0	8	18^{i}	0^{i}	4^{i}	.....	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	7	.....	.....	.....	.....	.....	.....	.....	2.60	.....	0.70	0	9	.....	.....	.....	.....	Raleigh Coal & Coke Co.
Ravenswood (Dam 22)	Jackson	538	8	74.3	.....	96	13	49	1	36	6.98	.....	2.00	0	10	18	0	13	sw.	Lockmaster.
Robertsburg	Putnam	574	23	74.6	− 0.8	96	15	52	23	34	4.03	−0.71	0.85	0	10	22	0	9	.....	M. Frazier.
Ryan	Roane	700	20	71.8	− 1.5	91	11†	45	3	38	4.42	−0.14	1.15	0	10	14	10	7	.....	Wm. E. Ryan.
Sharples	Logan	.....	3	.....	.....	.....	.....	.....	.....	.....	3.79	.....	1.60	0	6	.....	.....	.....	.....	C. E. Rippetoe.
Spencer	Roane	784	19	70.6^{a}	− 3.0	88^{a}	20	49	1	31^{a}	5.89	+1.60	1.27	0	8	16	10	5	.....	A. M. McKown.
Sutton	Braxton	839	17	72.2	− 4.1	93	15†	45	2	38	7.55	+2.38	2.10	0	8	23	0	8	.....	C. B. Eakle.
Union^{e}	Monroe	2,250	19	71.2	+ 0.2	92^{d}	11	50	3†	39	4.83	+0.21	0.73	0	13	11	10	5	.....	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	13	71.0^{a}	+ 0.4	91^{a}	11†	50	18†	41^{a}	2.99	−2.06	1.10	0	11	24	5	2	.....	J. M. Ayres.
Williamson	Mingo	660	23	74.3	− 1.2	90	11†	52	1	26	4.66	+0.40	1.27	0	12	21	5	5	w.	J. F. Keysor.
Averages and	extremes	.....	....	72.1	− 1.4	97	10†	43	3†	41	4.63	−0.04	4.45	0	10	17	7	7	w.	
State averages and	extremes	.....	....	71.7	− 1.2	100	20	37	1	52	4.70	+0.12	4.45	0	10	16	8	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for July, 1923.

Stations.	Drainage basin.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Potomac Division.																																	
Bayard	Potomac						.12	.03	T.			.64	1.22	1.03			.03						.21		.06	.19			.51	.06			4.10
Brandywine	do	T.	.10	.15	.30	T	.10						.70	T.	.30		.55								.10				.30		.30	T.	3.70
Burlington	do		.09				.15					.29	.80												.34				.59		.09		2.35
Harpers Ferry ‖	do					.01		T.				.09	.75										T.	.09	.15	.15				.65		.71	2.60
Inwood	do										.05		.50										.56		.36	.01			.16	.15	.90	.62	3.31
Martinsburg	do	T.		.03	.09	.03	.03				.12	.62	.02		T.		T.						.15	.22	.31			.03	.42	.66	1.10	.07	3.90
Moorefield	do		.18		.08		.39					.08	.85	.30	.06	.03										.15			.40		.03	.10	2.65
Piedmont	do			.15	.02		.14	.01				.57	.50	.05			.03						.03			.18		T.	.45	.05	.23	.10	2.51
Romney	do			.08	.02	.52		.07				.27	.27	.15									.01		.13	.03			.28			1.31	3.14
Stony River Dam ‖	do			.05	.05		.10	.19	.25			.78	.76	.28				.09					.10	.37		.15			.19	.56		.10	4.02
Upper Tract	do												.10				.10									.25				.25	.20	.25	1.15
Wardensville ‖	do		T.	.73			.45					.14	.06	.08	.07		.01						.13		.10				1.31	.17	1.02	.38	4.65
Northern Division.																																	
Bens Run	Ohio						.17	.15				.03	1.38				.04								.34			1.27	2.28		.08		5.74
Bruceton Mills ‖‖	Monongahela	T.	T.				.87	T				1.44	.08				1.11								.93	T		T.	1.07	.08	.21	.01	5.80
Buckhannon	do		T.				.35					1.80					.30					T.	.12		.24				1.50		.51	.30	5.12
Cairo	Little Kanawha					.15	.44	.67			.51		1.30				.48			*	*	*	*	*	*	*	*	*	*	*	*	3.50	7.15
Cheat Bridge ‖	Monongahela				T.			.28	.07				.65		.15			.06					.33	.63		2.00			1.07	.22	T.	.33	5.79
Clarksburg	do		T.				.19	.03	.01				.33	.15			.10					.04	.03		.14	.35			1.12	.02	.74		3.25
Cortland ‖	do		.06		.42		.49	.06			.07	.36	1.24				.23						.46		.57			.40	.61				4.97
Creston	Little Kanawha						.05	1.03	.44				.95	.90											.46	.44			1.10	.56		.18	6.11
Dam 10, Mon. R. ‖‖	Monongahela				.01		.02	.33				.65	.12	.39			.38	.36								.45			1.18	.08		.08	4.05
Dam 12, O. R. ‖	Ohio						.16	.36	.67				.06	.34			2.12						.02		.02				.53	.02			4.30
Dam 13, O. R. ‖	do						.19	.04	.03				.13				2.30								.05				.47			.37	3.58
Dam 15, Mon. R. ‖	Monongahela				.15		.32	.52					.51	1.02			.02								.02	.36			1.15	.15		2.28	6.50
Davis	do		T.			.06	.14	.41				.36	.55	.40				.15						1.02	1.14				.68	.47		.17	5.55
Elizabeth ‖	Little Kanawha							.90	2.00				.90	1.10	.56										.48	.45			2.76			.31	9.46
Elkins***	Monongahela	T					.61					.15	.02				.24					.03	1.34		.17				.74	.06	.23	.11	3.73
Fairmont ‖	do		T.		.28	T.	.48	.20	.03			T.	.66	.40			.03	T.					T.		T.	.72			1.10	.10		1.04	5.04
Glenville ‖	Little Kanawha							3.31	.18				.96	.67									.06		.24	.94			.96	.41		.12	7.85
Grafton ‖	Monongahela						1.00						.48															1.80					3.28
Lost Creek	do	T.	T.			.03	.90	T.				.77	.25				.70					T.	T.		.20	.18			1.40		.10	.06	4.59
Mannington	do			.06			.47		.30			.08	1.42				.28								.25	.63		.01	1.54		.21		5.25
Morgantown	do		T				.36					1.40	.20	T.			.49								T.			.14	1.16	.11	.16		4.02
Moundsville ‖‖	Ohio						.50						.20	1.10			1.00								.10				1.50			.20	4.60
New Cumberland ‖‖	do						.04	.12				1.15					.31						T.		.16	.27			.77	.68			3.50
New Martinsville	do						.40					.55	1.30				.05								.30	.75		.40	1.85	.10	.30		6.00
Parkersburg ***	Ohio	T.	T.			.13	.37	.81				.62	.78				.05					T.		T.	.78			.92	.66	T.	.37	T.	5.52
Parsons	Monongahela			T.	.50		.70	.80				*	*										.20						*	*	*	2.00	4.20
Philippi	do		T.				.74	T.	.47			.80	.06				.29					.07	.04		.05	.59			.80		.17	.02	4.10
Pickens	do				.15		.60		.61				.78									.41		1.32	.20				1.04		3.25		8.36
Rowlesburg ‖	do						.20	.30				.25	.30	.33										.40					.20	.60		.40	2.98
Saint Marys ‖	Ohio						.09	.36	.13				.87	.13			.20						.10		.23	.43			3.20	.10		.02	5.86
Smithfield ‖	Fishing Creek			.47			.14	.10					.88	.42			.05	.04							.08	.28			2.10	.03		.51	5.10
Terra Alta	Monongahela						.66	.07				.38	.70	.90			.02						.09		.08	.02		.04	.79	.08	.42		4.25
Wellsburg	Ohio						.93					.37	.12			T.	.64						.17		.08				.91				3.22
Weston	Monongahela		.02				3.00	.32				.53	.42	.18									.23		.80					.85	.17	1.40	7.92
Wheeling ‖‖	Ohio		T.				.30	.02	.28				.08	.44			2.22	.01					.03		.05				.55	.02		T.	4.00
Southern Division.																																	
Bancroft ‖‖	Great Kanawha				.01			.02	.43			.43	1.53				.01								.76	.95			.71	.33		.02	5.20
Beckley	do		.15									.87													.41				2.10		.33	.03	3.89
Bluefield	do	.03					.01	.01	.09			T.	.27				.61	T.					.66		.22	.05			.70				2.68
Camden-on-Gauley ‖	do						.80					.10													1.00				1.00		.80		3.70
Charleston ‖	do								.20			.15	2.10				T.	.40							1.00	.68			.92	.40	.12	.10	6.07
Clay	do							.13	.15				.20				.41							.11	.40	.10				.66		.40	2.56
Dam 19 O. R. ‖	Ohio			T.			.08	.91	.51			.24	1.70				.10						.19		.52	.17			1.33	.02	.14	.13	6.04
Dam 20 O. R. ‖‖	do						1.04	.31				.53	1.27				1.67								.55	.77			2.53			.01	8.68
Dam 26 O. R. ‖‖	do						.10					1.00	1.82												.82	.18			1.03	.20			5.15
Gary ‖	Big Sandy		.28				.08	.45					.25				.17	1.01					.06	.15		.25			.80	.35			3.85
Green Sulpr. Spgs.	do																																......
Hinton	do	T.	.42	.20					.20				.50				T.	.08					.78	.12	T.	.82			.44	.24		2.60	6.40
Huntington ‖	Ohio			.02			.10	.38					.34				.06	.18							1.30	.36			.34	.52			3.60
Kanawha Falls ‖	Great Kanawha						T.	.38	.60				4.45												.34	1.12				.65		.20	7.74
Kayford ‖	do		T.					.06	.63	.07			1.15					.13					.01		.04	.62			.28	.87	.06		3.42
Lewisburg	do	.28	.43		.06		.58	.07	.12			.21													.77				.38		T.		2.90
Logan	Guyandotte						.08		.11			1.00					.43								.45				.61		.47		3.15
Marlinton	Great Kanawha	.24	.12			.16	.62	.28			T.	.30	.28				.26						.08		.55			.35	.45		.58	1.03	5.30
Organ Cave	do	.35	.36				.27	.74				.12					.53								.49				.28	.02	.16	.20	3.52
Point Pleasant	Ohio		.10						.25			1.32	.08												.57			.58	2.23	.05		.04	5.22
Powellton	Great Kanawha						.06		.52			.65					.14	.01							.12					.25		.47	2.22
Raleigh ‖	do		.20				.20	.10					.50	.20									.30	.10	.10				.20	.70	T.		2.60
Ravenswood (Dam 22)	Ohio			.10				.40	.13			.88	.35			.80	.86								.43	1.03			2.00				6.98
Robertsburg ‖‖	Great Kanawha			.02				.33	.31			.65	.85												.41	.32			.76	.35		.03	4.03
Ryan	do			.01			.68	.11				.40	.40										.03		.52			T.	1.15		1.09	.03	4.42
Sharples ‖‖	Coal River								.42				1.60					.22						.30	.65					.60			3.79
Spencer ‖‖	Little Kanawha						.17	.38	.40			1.27														.72			1.20	.90	T.	.85	5.89
Sutton	Great Kanawha						.38	1.08				.75											2.10		.65				1.42		.97	.20	7.55
Union	do		.73				.15	.21		.38			.26				.12	.16						.61	.53	.22			.35		.61	.50	4.83
White Sulpr. Spgs. ‖‖	do	.14	.25				.41	.05			.08		.14												.48			.20	.04		.10	1.10	2.99
Williamson ‖‖	Big Sandy						.10	.10	.73	.06			.87	T.				1.27					.02	T.	.15	T.			.40	.68	.10	.18	4.66

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for July, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	69	69	80	83	86	84	81	80	84	88	86	81	83	84	85	82	81	80	86	86	84	82	78	71	71	78	82	80	81	81	79	80.8
	Minimum	41	49	41	52	50	57	60	52	44	53	61	59	63	50	52	57	53	46	45	46	55	63	43	51	60	43	45	63	63	57	58	52.7
Brandywine	Maximum	70	67	84	85	87	86	85	85	89	96	94	87	88	87	91	84	87	84	89	89	91	88	84	83	86	89	87	86	90	85	82	85.8
	Minimum	44	50	49	54	55	58	57	58	53	60	65	64	62	60	61	62	64	54	50	50	54	48	58	57	50	55	57	58	59	60	65	56.5
Burlington	Maximum	73	70	83	83	....	86	80	83	86	93	89	83	85	85	88	91	84	85	88	91	93	88	84	77	80	81	89	81	85	85	75	84.1
	Minimum	46	52	53	57	....	57	66	57	50	58	66	67	65	57	59	65	57	55	52	54	58	70	51	57	60	50	52	69	65	64	67	58.5
Inwood	Maximum	76	80	85	88	92	90	84	86	92	92	90	96	90	86	90	88	88	86	92	100	99	96	83	84	83	82	88	85	90	97	70	88.0
	Minimum	48	46	52	60	60	56	70	62	66	64	70	56	68	62	70	68	64	66	56	56	72	65	56	59	67	70	75	70	65	69	65	63.0
Martinsburg§	Maximum	74	76	86	90	94	92	85	89	91	97	93	90	91	88	92	90	87	90	95	99	99	92	86	81	85	86	89	78	92	86	71	88.2
	Minimum	54	55	62	64	65	68	63	57	66	70	69	68	64	65	70	65	58	58	59	66	70	56	60	52	59	56	70	65	66	66	64	62.9
Moorfield	Maximum	75	73	88	87	92	90	....	....	....	....	97	94	88	90	92	91	87	92	91	96	97	94	90	85	84	84	90	88	90	88	80	88.6
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Piedmont	Maximum	74	72	82	87	88	85	78	82	87	91	88	80	89	89	92	89	88	87	93	95	93	89	84	73	84	85	90	83	89	84	71	85.2
	Minimum	47	54	52	59	59	63	66	57	53	59	64	64	67	57	62	65	60	54	53	56	67	66	51	59	61	51	53	67	65	64	66	59.4
Romney	Maximum	73	69	86	85	90	87	82	86	91	94	90	88	89	87	91	89	86	87	91	95	94	90	82	80	82	83	91	86	90	89	....	86.8
	Minimum	46	54	51	59	58	63	64	56	51	60	65	64	65	57	60	65	56	54	52	57	62	....	50	56	59	50	53	68	64	62	61	58.1
Upper Tract	Maximum	....	....	....	....	....	....	....	88	88	90	85	83	....	83	89	84	82	83	86	87	84	84	82	82	80	80	80	80	81	78	75	83.2
	Minimum	....	....	....	....	....	....	....	49	49	50	69	64	....	59	56	60	58	50	48	49	55	54	47	49	58	48	49	50	54	62	65	54.4
Northern Division.																																	
Bens Run	Maximum	81	82	83	87	90	89	96	90	89	92	93	86	87	89	90	88	89	89	92	92	91	90	82	75	83	83	88	78	85	79	83	86.8
	Minimum	53	55	58	65	64	67	63	65	60	65	71	67	67	61	62	68	61	60	62	63	63	68	54	61	62	56	58	67	69	67	66	62.8
Buckhannon	Maximum	75	71	80	82	85	81	80	82	83	82	86	80	83	84	85	81	82	81	84	83	85	82	76	73	76	77	83	77	82	80	83	80.8
	Minimum	50	63	52	60	59	62	60	62	58	59	68	65	65	61	60	65	62	59	58	56	60	67	51	51	54	52	56	67	66	65	61	59.8
Cairo	Maximum	73	82	85	88	87	90	86	87	88	92	90	85	88	87	90	86	81	86	....	....	....	....	....	....	....	....	....	....	....	....	....	86.2
	Minimum	46	51	53	59	62	65	61	61	55	60	67	66	63	58	60	67	59	56	....	....	....	....	....	....	....	....	....	....	....	....	....	59.4
Clarksburg	Maximum	78	76	84	85	87	85	84	84	87	89	89	86	84	86	89	90	84	85	90	91	88	85	84	78	78	79	89	86	85	86	87	85.1
	Minimum	49	53	51	59	60	67	64	62	56	60	70	67	61	59	59	66	61	56	55	55	60	67	48	61	60	51	54	68	68	66	67	58.5
Creston	Maximum	76	80	85	90	94	91	85	89	90	94	93	84	88	89	92	88	87	90	90	95	93	88	85	76	83	84	88	78	86	85	82	87.0
	Minimum	48	52	55	60	60	65	63	61	57	61	66	66	65	60	60	67	61	59	57	58	60	71	52	61	63	53	56	68	67	66	65	60.7
Elkins	Maximum	70	71	80	81	85	80	79	81	82	86	85	81	84	84	85	81	82	81	84	84	85	78	75	73	76	78	83	74	84	82	84	80.6
	Minimum	47	58	49	58	56	60	60	60	54	55	65	64	62	59	57	60	59	53	52	54	56	57	48	57	59	51	53	65	65	63	60	57.3
Fairmont§	Maximum	78	73	80	85	86	83	83	85	86	90	88	80	85	86	87	85	85	86	88	89	89	85	85	80	80	79	83	76	82	82	84	83.6
	Minimum	49	56	54	60	61	66	63	61	59	62	69	66	65	60	61	66	61	58	56	59	64	67	51	59	60	52	56	65	67	65	61	60.7
Glenville	Maximum	80	80	86	91	95	93	87	90	92	95	94	90	90	91	94	95	91	92	95	94	95	92	90	85	84	86	90	89	90	90	86	90.1
	Minimum	50	53	53	59	61	67	61	63	60	62	65	67	64	60	62	66	62	58	58	60	62	69	52	60	63	55	56	68	67	67	68	61.2
Grafton	Maximum	74	79	83	85	88	88	88	86	86	90	88	87	88	88	89	86	85	85	90	80	81	90	80	80	80	80	88	90	88	90	90	85.5
	Minimum	45	46	50	68	61	62	60	59	52	59	60	63	64	55	58	61	56	51	51	52	52	55	44	58	56	56	51	65	64	64	65	56.9
Lost Creek	Maximum	78	76	82	85	88	84	83	84	86	88	88	82	85	85	88	83	84	80	86	87	87	86	78	74	75	78	86	77	84	83	85	83.1
	Minimum	45	49	48	55	56	64	58	58	53	57	67	64	62	55	56	64	52	54	51	54	58	65	44	60	59	47	50	66	65	62	59	56.7
Mannington	Maximum	76	75	79	83	84	84	81	83	84	88	87	82	84	85	85	83	82	83	84	86	88	84	78	74	77	77	84	78	81	80	82	82.0
	Minimum	46	52	50	58	59	64	61	59	55	58	66	66	65	57	58	65	59	55	52	56	58	65	47	60	61	50	52	67	68	63	62	58.5
Morgantown	Maximum	77	71	83	86	87	85	83	87	87	90	88	84	86	88	89	85	85	85	88	89	90	84	79	75	81	79	87	83	83	89	85	84.5
	Minimum	49	65	58	62	61	64	62	62	62	63	67	65	65	60	63	65	59	59	55	59	66	67	51	60	61	52	63	67	67	63	68	61.6
New Cumberland§	Maximum	79	80	84	87	90	86	87	88	92	95	86	87	88	89	76	84	87	88	91	94	96	85	80	77	79	82	87	79	87	90	87	86.0
	Minimum	59	56	57	59	60	65	64	58	56	60	67	70	59	58	60	66	57	57	57	51	58	63	52	56	61	52	52	60	67	62	63	59.4
New Martinsville	Maximum	84	86	85	90	93	89	90	92	91	94	93	99	90	95	93	89	88	90	93	95	96	89	84	85	85	84	88	80	88	88	86	89.4
	Minimum	47	52	54	60	62	64	62	59	55	59	65	65	65	58	58	64	60	56	57	59	58	64	50	59	60	52	52	65	67	63	62	59.1
Parkersburg	Maximum	76	79	84	87	91	90	85	85	88	93	93	86	85	88	91	86	85	86	90	92	91	86	81	76	80	80	87	77	85	85	81	85.5
	Minimum	53	58	60	66	65	66	64	63	62	64	67	68	67	64	64	70	65	64	63	62	65	68	56	62	63	58	60	69	70	67	67	63.9
Parsons	Maximum	80	80	87	85	92	86	86	88	94	92	94	83	91	91	87	88	86	85	88	87	89	89	85	74	80	83	88	76	88	88	89	86.4
	Minimum	45	43	47	55	57	60	58	60	48	52	42	62	64	61	53	60	60	56	50	55	57	45	55	54	52	53	52	65	64	63	56	55.0
Philippi	Maximum	75	75	82	83	88	83	82	84	84	87	85	82	85	86	86	84	87	84	87	86	85	82	79	74	78	77	85	80	85	85	87	83.0
	Minimum	51	58	55	60	59	65	60	61	69	60	65	66	64	61	60	65	58	57	57	59	65	68	49	60	62	51	61	67	65	67	62	60.9
Pickens	Maximum	65	72	82	82	87	81	82	83	84	87	82	86	83	85	85	81	85	83	87	88	80	77	70	....	79	81	83	74	81	83	82	81.3
	Minimum	41	55	52	50	57	56	55	55	51	61	56	52	54	56	52	59	50	57	56	56	57	44	42	....	58	54	52	61	60	59	58	54.2
Terra Alta	Maximum	66	69	73	76	80	79	76	74	77	80	80	70	79	81	79	78	78	78	80	81	81	77	74	70	70	76	77	75	77	77	69	76.0
	Minimum	40	52	44	55	50	58	60	52	46	55	62	61	61	51	55	58	53	46	46	48	60	63	43	51	57	42	49	63	62	55	61	53.5
Wellsburg	Maximum	82	83	88	89	90	88	83	85	91	93	85	82	85	86	84	86	85	86	85	94	92	85	79	76	83	83	86	77	86	85	86	85.4
	Minimum	47	55	59	58	57	58	63	56	57	58	67	67	57	55	59	66	54	53	57	55	57	62	48	60	59	48	50	67	68	62	61	58.1
Weston	Maximum	75	76	83	84	87	86	82	85	85	84	86	84	86	87	87	86	84	84	87	87	87	85	80	75	82	78	86	84	85	83	84	83.7
	Minimum	49	52	52	60	59	63	61	62	58	60	68	66	64	60	59	66	62	57	57	58	62	66	52	62	64	54	56	68	67	66	67	60.5
Wheeling§	Maximum	84	82	85	90	93	89	87	92	94	98	90	88	82	88	90	88	88	90	92	96	96	90	82	77	84	80	90	80	91	91	....	88.2
	Minimum	48	56	57	60	60	64	64	58	54	58	67	67	60	56	59	62	59	55	58	57	60	64	52	59	50	50	52	60	68	66	63	58.8
Southern Division.																																	
Bluefield	Maximum	79	81	80	80	84	84	83	88	87	84	86	85	81	82	82	83	82	81	82	84	84	83	77	80	80	82	82	82	82	86	86	82.6
	Minimum	57	59	43	43	58	65	62	50	....	....	....	69	62	63	60	61	62	60	52	58	74	53	71	60	60	52	66	55	62	62	65	59.4
Charleston	Maximum	81	80	85	88	89	90	89	90	89	92	91	90	84	88	90	92	90	89	90	90	90	91	86	81	80	82	89	78	85	85	83	87.0
	Minimum	58	56	57	64	66	67	68	65	67	65	69	66	65	62	61	65	62	63	64	65	65	64	59	60	63	60	62	66	67	65	62	63.6
Gary §	Maximum	62	73	69	71	74	80	72	81	70	72	78	69	70	87	88	77	69	66	63	68	88	77	63	69	69	67	81	71	73	73	72	73.0
	Minimum	51	57	54	60	61	64	65	65	58	60	64	66	66	67	63	66	66	60	58	59	63	63	61	61	63	58	59	66	66	68	66	62.1
Hinton §	Maximum	72	71	84	86	91	83	84	83	88	92	92	87	86	86	88	84	85	83	86	90	88	85	83	77	80	83	84	74	85	82	79	83.9
	Minimum	50	55	54	55	63	63	65	65	58	60	62	67	65	63	63	63	65	60	57	59	61	63	57	57	60	58	58	63	65	66	65	60.8
Huntington §	Maximum	78	83	84	87	90	87	82	85	86	89	91	82	83	88	88	84	85	85	87	88	89	90	82	83	81	80	88	72	84	85	80	84.7
	Minimum	55	60	63	65	68	70	68	68	65	68	70	73	70	67	65	68	66	64	63	62	67	72	59	64	66	60	62	67	70	70	67	65.9
Lewisburg	Maximum	66	64	82	84	85	84	79	78	82	85	85	80	82	85	87	81	83	81	85	86	85	84	79	78	78	82	84	76	85	88	80	81.4
	Minimum	49	54	49	57	56	57	60	60	52	54	60	64	63	62	56	60	60	54	50	53	55	66	50	57	62	49	57	62	63	64	61	57.3
Logan	Maximum	68	84	89	95	94	94	87	93	96	97	97	93	89	96	96	91	94	94	95	97	96	....	94	88	....	93	95	93	93	94	87	92.1
	Minimum	45	54	57	65	66	70	69	67	65	66	69	71	68	70	66	71	72	70	69	64	68	....	61	63	....	63	63	71	70	68	67	65.8
Marlinton	Maximum	60	60	76	78	74	78	74	76	76	80	84	80	76	78	82	76	78	76	82	80	78	78	78	80	72	76	74	68	74	76	76	75.9
	Minimum	44	46	50	58	54	58	54	52	52	54	56	60	56	60	54	56	56	50	46	50	54	56	46	54	54	48	54	52	60	62	60	53.7
Point Pleasant	Maximum	76	79	84	87	90	90	85	83	90	96	93	91	82	84	91	90	85	83	85	87	92	91	89	82	84	83	84	73	87	89	83	86.1
	Minimum	53	58	60	66	65	66	64	61	59	60	68	68	67	62	61	68	61	59	58	59	64	73	53	63	63	54	58	68	68	67	66	62.6
Powellton	Maximum	....	77	87	88	92	90	87	88	87	91	91	89	87	89	....	91	87	88	....	....	....	93	86	85	82	....	....	....	....	89	87	87.9
	Minimum	....	50	55	59	51	65	65	64	59	61	64	66	66	65	....	58	67	60	....	....	....	57	54	60	67	....	....	....	....	....	63	60.8
Robertsburg§	Maximum	75	83	85	90	93	82	84	90	90	91	91	89	85	94	96	88	89	90	90	91	90	89	86	81	83	86	90	78	86	90	87	87.5
	Minimum	55	55	58	62	63	66	68	62	58	62	65	68	62	62	65	63	62	59	59	58	64	64	52	62	65	56	58	66	68	66	64	61.8
Ryan	Maximum	75	78	83	87	88	88	87	85	87	90	91	77	87	87	89	86	86	86	88	90	91	90	83	78	81	84	89	78	85	83	78	85.0
	Minimum	47	52	45	58	60	62	61	61	59	58	62	65	65	59	55	64	63	56	53	54	60	57	48	60	60	52	55	68	65	65	63	58.5
Spencer §	Maximum	74	75	80	82	87	87	81	81	84	87	82	80	80	85	86	83	82	82	79	88	87	85	79	79	78	78	85	73	82	78	....	81.6
	Minimum	49	53	56	60	56	64	64	62	58	60	61	65	61	60	59	68	62	59	56	57	59	67	51	55	55	54	57	61	66	67	65	59.6
Union	Maximum	....	75	83	88	88	89	80	....	85	90	92	90	82	88	....	90	84	84	86	91	90	....	86	79	83	85	85	82	....	87	82	85.5
	Minimum	....	51	50	56	56	60	63	....	51	53	58	64	63	64	....	57	61	55	50	52	51	....	54	51	61	50	62	62	....	61	62	56.8
White Sulphur Spgs§	Maximum	64	84	86	88	88	79	80	85	89	90	91	83	87	89	81	84	82	82	91	88	87	84	78	82	85	84	85	88	89	82	....	84.5
	Minimum	56	52	57	57	59	60	61	53	52	60	60	60	62	60	60	62	53	50	50	54	60	50	56	58	50	59	60	63	65	66	62	57.6
Williamson§	Maximum	75	80	83	87	88	84	80	84	84	88	90	89	82	86	90	81	85	84	85	88	86	85	80	81	82	82	88	74	84	85	81	83.9
	Minimum	52	54	60	61	62	63	68	65	67	67	68	70	68	68	67	70	68	65	65	65	65	68	62	61	65	62	62	64	69	67	68	64.7

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXXI. Parkersburg, W. Va., August, 1923. No. 8.

GENERAL SUMMARY.

August averaged somewhat cooler and much wetter than usual, and the month was characterized by heavy and unfavorably distributed rainfall over the central and west-central counties, droughty conditions over the eastern panhandle counties, and unusually low August temperatures early in the last decade. The rainfall for Pickens was 12.42 inches, a total of 8.06 inches being recorded for the three consecutive days ending on the 12th. The rainfall for that period was also excessive in sections of the upper Little Kanawha basin and in portions of Jackson and Wood Counties. The river at Glenville reached a stage of 22.4 feet and the streams in the northern portion of Jackson County were unusually high, causing much damage to corn and hay. Over the eastern panhandle counties the conditions were droughty nearly all the month, although a general rain on the 17th relieved the drought temporarily. The temperature on the 23d-24th fell to near the August State record, and light frosts were observed in sections of the northern mountain region. On the whole, the conditions were favorable for crop growth and pastures, but frequent rains delayed haying and harvesting.

TEMPERATURE.

The monthly mean for the State, determined from 53 stations, was 71.0°. The departure from the normal for 45 stations having ten or more years of record was —0.7°. The temperature was considerably above the average from the 1st to the 12th, and slightly above on the 19th-21st, and from the 27th to the 31st, with the highest temperature occurring generally on the 2d, 7th, and 11th. Cool weather prevailed from the 16th to the 20th, and from the 22d to the 26th, with the lowest readings on the 23d and 24th. The highest monthly mean was 79.2° at Logan, and the lowest was 62.2° at Cheat Bridge. The highest temperature was 99° at Moorefield on the 11th, and the lowest was 33° at Terra Alta on the 23d.

PRECIPITATION.

The average precipitation for the State, determined from 80 stations, was 4.39 inches. The departure from the normal for 51 stations having ten or more years of record was +0.52 inch. Showers occurred in most localities from the 1st to the 10th, 13th, 15th, 19th, 21st, and from the 27th to the 30th. Heavy rain occurred generally in all sections on the 11-12th and 17th, and moderately heavy rain fell at a number of stations on the 22d. The greatest monthly precipitation was 12 42 inches at Pickens, and the least was 1.60 inches at Upper Tract. The greatest amount in any 24 consecutive hours was 3.77 inches at Beckley on the 12th.

HAIL.

Light hail fell in sections of Wirt County on the 12th.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bayard, 14th, 22d, 23d, 28th, and 29th; Cairo, 18th and 19th; Elkins, 16th, 21st 24th, 30th, and 31st; Hinton, 3d; Marlinton, 8th, 14th to the 16th, 19th to the 21st, 23d to the 28th, 30th, and 31st; New Cumberland, 10th, 11th, and 31st; Romney, 10th, 11th, 14th, 20th, and 30th; Terra Alta, 1st, 2d, 10th, 11th, 16th, 18th, and 24th; Wellsburg, 18th.

Frost, light: Bayard, 24th; Bruceton Mills, 23d, 24th, and 25th.

Halo, lunar: Terra Alta, 27th.

Thunderstorms (dates and number of stations reporting): 1st, 2; 3d, 10; 4th, 10; 5th, 5; 6th, 2; 8th, 14; 9th, 1; 10th, 8; 11th, 2; 12th, 20; 13th, 2; 16th, 1; 18th, 1; 19th, 1; 21st, 3; 22d, 1; 27th, 2; 28th, 5.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA.

Stations.	Mean barometric pressure. (sea level)	Mean relative humidity.			Sunshine.		Wind.				
		8 a. m.	local noon.	8 p. m.	Total hours.	Percentage of possible.	Total movement miles.	Average hourly velocity.	Max. velocity. Miles per hour.	Max. velocity. Direction.	Max. velocity. Date.
Cincinnati, Ohio...	30.00	82	54	73	256.8	61	3,784	5.1	36	nw.	12
Columbus, Ohio...	30.00	79	56	64	277.4	65	5,405	7.3	56	w.	12
Elkins	30.01	92	60	83	240.9	57	2,727	3.7	29	w.	28
Lexington, Ky.....	30.01	83	64	....	193.9	46	6,769	9.1	36	nw.	26
Parkersburg.......	30.01	85	62	74	244.2	58	2,729	3.7	28	nw.	3
Pittsburgh, Pa.....	30.00	80	60	64	277.1	65	5,479	7.4	42	nw.	27
Wytheville, Va....	30.01	90	63	79	271.7	65	3,280	4.4	19	w.	21

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	69.8	......	......	5.48	......	......	......	......	......	......
1892	72.1	96	41	2.55	......	......	......	......	......	......
1893	70.8	98	41	3.38	......	......	......	......	......	......
1894	71.5	103	38	2.07	5.15	0.27	......	14	12	5
1895	73.3	104	40	3.01	7.69	1.15	......	15	11	5
1896	72.6	97	40	2.82	5.69	0.88	......	15	12	4
1897	70.9	100	42	2.91	5.93	0.77	......	13	14	4
1898	73.7	96	44	7.51	11.57	4.40	......	12	12	7
1899	73.5	100	34	2.64	6.37	0.34	......	15	11	5
1900	76.0	100	45	3.15	7.20	1.03	......	17	10	4
1901	73.6	98	43	5.14	13.70	1.64	......	10	13	8
1902	70.4	98	35	2.40	6.05	0.97	......	15	13	3
1903	71.4	105	38	2.64	5.85	0.99	......	12	13	6
1904	70.7	95	32	2.88	6.71	0.67	......	15	10	6
1905	71.3	96	40	4.25	8.32	1.32	......	14	11	6
1906	75.4	98	47	5.15	10.72	2.18	......	10	13	8
1907	69.4	93	41	4.64	10.12	1.55	......	13	10	8
1908	70.9	101	37	2.82	5.63	0.84	......	15	10	6
1909	70.8	99	37	3.03	5.79	0.81	......	16	10	5
1910	70.8	98	39	2.03	5.58	0.70	......	17	10	4
1911	73.5	105	40	6.71	12.14	2.38	......	13	10	8
1912	69.3	95	35	3.64	11.70	0.25	......	10	13	8
1913	72.7	102	37	3.18	8.20	0.79	......	19	7	5
1914	71.8	100	40	4.86	9.29	1.38	......	15	9	7
1915	69.4	99	36	4.84	8.36	2.46	......	10	11	10
1916	72.9	101	40	4.76	15.35	1.46	......	14	9	8
1917	71.6	102	39	3 53	8.80	0.94	......	17	8	6
1918	76.0	110	43	3.96	9.15	0.63	......	17	8	6
1919	70.2	100	40	4.54	8.67	0.95	......	16	9	6
1920	71.1	95	42	4.27	9.28	1.69	......	9	10	12
1921	69.7	98	37	5.20	9.46	2.13	......	16	8	7
1922	68.9	98	31	3.87	7.51	1.20	......	14	9	8
1923	71.0	99	33	4.39	12.42	1.60	......	15	8	8
Means and extremes .	71.7	110	31	3.89	15.35	0.25	......	14	11	6

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., August, 1923.

See temperature and precipitation data in Climatological Tables, Pages 30, 31, and 32.

Station.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation	.110	.162	.158	.070	.120	.165	.220	.275	.105	.125	.205	.140	.255	.200	.275	.180	.050	.050	.175	.220	.200	.390	.220	.100	.205	.143	.137	.153	.129	.148	.150	5.235
	Wind movement..........	32	29	26	32	43	41	39	37	34	26	30	36	115	44	53	44	24	20	42	48	43	77	32	44	60	18	22	32	38	31	19	1,210

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for August, 1923.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	22	67.2	+ 1.2	87	2†	35	24	41	2.35	−2.26	0.66	0	10	14	15	2	w.	U. G. Clark.
Brandywine	Pendleton	...	7	71.0	...	93	11	42	24	37	1.95	...	0.65	0	4	21	1	9	sw.	Elmer Keister.
Burlington^{a}	Mineral	875	29	71.0	− 0.2	93	11	43	23	40	3.95	+0.15	1.77	0	6	13	15	2	e.	Mary Vandiver.
Harpers Ferry	Jefferson	244	34	...	...	...	...	...	...	...	4.03	+0.21	1.28	0	11	...	...	...	...	J. C. Newcomer.
Inwood	Berkeley	569	1	72.4	...	97	19	46	23	42	2.95	...	1.50	0	11	18	11	2	s.	H. W. Prettyman.
Martinsburg	Berkeley	435	31	71.1	− 1.9	96	7	38	23	42	2.92	−0.95	1.95	0	9	19	9	3	se.	Dr. H. S. Gardner.
Moorefield	Hardy	900	27	71.6^{a}	− 1.7	99	11	41^{a}	24	45^{a}	2.24	−1.00	0.95	0	9	27^{a}	2^{a}	1^{a}	...	M. S. Henkel.
Piedmont	Mineral	919	10	71.0	...	93	11	44	24†	39	3.12	...	0.85	0	15	13	11	7	se.	C. A. Suter, Jr.
Romney	Hampshire	821	25	71.3^{g}	− 1.6	92^{g}	3†	41^{g}	23	42^{g}	4.40	+0.44	1.36	0	15	21	5	5	...	Geo. E. Arnold.
Stony River Dam	Grant	...	3	...	...	...	...	...	...	...	2.52	...	1.00	0	12	7	7	17	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	24	68.3	− 2.7	89	11†	45	23†	37	1.60	−2.15	0.55	0	6	17^{d}	2^{d}	8^{d}	w.	J. M. Mallow.
Wardensville	Hardy	1,200	5	68.9^{h}	...	91^{h}	7	42^{h}	23	35^{h}	4.03	...	2.05	0	9	11^{g}	9^{g}	4^{g}	sw.	Luther F. Sutton.
Averages and	extremes	...	...	70.4	− 1.1	99	11	35	24	45	3.00	−0.79	2.05	0	11	18	8	5	w.	
Northern Division.																				
Bens Run	Pleasants	622	21	72.9	− 0.9	91	6	47	23	33	3.58	−0.66	0.72	0	11	18	8	5	...	J. D. Riggs.
Benson	Harrison	1,080	0	...	...	...	...	...	...	...	5.86	...	1.95	0	11	...	...	...	...	R. D Marts.
Brownsville	Lewis	1,032	0	...	...	...	...	...	...	...	6.42	...	1.28	0	11	20	9	2	...	S. L. Montgomery.
Bruceton Mills	Preston	1,549	3	...	...	...	...	...	...	...	5.06	...	1.67	0	11	0	25	6	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	26	69.8	− 0.5	87	7	45	23†	29	3.44	−0.66	0.84	0	9	19	10	2	...	H. A. Darnall.
Cairo	Ritchie	680	24	71.6	− 1.2	90	2	43	24	35	4.39	+0.77	1.67	0	9	12	11	8	...	O. C. Hess.
Cheat Bridge	Randolph	3,558	5	62.2^{a}	...	82^{a}	11	36	24	36^{a}	4.00	...	0.88	0	15	17^{a}	3^{a}	10^{a}	...	H. F. Cromer.
Clarksburg	Harrison	1,015	1	72.6	...	90	3†	44	24	39	3.61	...	0.85	0	11	12	14	5	w.	Clarksburg Water Board.
Cortland	Tucker	3,300	12	...	...	...	...	...	...	...	3.09	...	0.88	0	8	14	12	5	...	G. W. Harmon.
Creston	Wirt	701	21	73.1	− 0.3	92	7	46	23	34	6.70	+3.25	2.01	0	10	17	1	13	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	2	...	...	...	...	...	...	...	4.44	...	1.13	0	15	...	...	...	...	Lockmaster.
Dam 12 O. R.	Ohio	614	7	...	...	...	...	...	...	...	5.79	...	2.43	0	11	...	...	...	...	Lockmaster.
Dam 13 O. R.	Ohio	605	7	...	...	...	...	...	...	...	3.14	...	1.04	0	12	...	...	...	...	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	2	...	...	...	...	...	...	...	3.13	...	0.74	0	11	...	...	...	...	Lockmaster.
Davis	Tucker	3,093	14	...	...	...	...	...	...	...	3.43	−1.55	0.98	0	10	17	8	6	w.	Ross C. Male.
Elizabeth	Wirt	646	11	...	...	...	...	...	...	...	6.72	+2.35	1.22	0	11	...	...	...	...	E. D. Ball.
Elkins	Randolph	1,947	22	68.9	+ 0.5	86	8	43	24	32	3.08	−0.57	0.69	0	13	5	18	8	w.	U. S. Weather Bureau.
Fairmont	Marion	883	17	71.1	− 2.1	90	7	44	23	35	4.05	+0.51	0.99	0	12	22	1	8	w.	Creed E. Bolyard.
Glenville	Gilmer	738	29	74.8	+ 0.9	94	2†	46	23†	37	7.83	+3.92	2.00	0	10	20	6	5	w.	Howard R. Brannon.
Grafton	Taylor	1,000	30	...	...	...	...	...	...	...	...	...	...	0	...	...	...	...	...	W. A. Williams.
Janelew (near)	Lewis	1,020	0	...	...	...	...	...	...	...	3.85	...	0.56	0	12	17	9	5	nw.	Dan Burkholder.
Lost Creek	Harrison	1,026	25	69.7	− 1.3	88	6†	40	24	36	5.08	+1.06	1.25	0	9	14	11	6	w.	Allen Smith.
Mannington	Marion	974	20	69.6	− 1.3	87	7	43	23	34	3.83	−0.09	0.88	0	11	15	7	9	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	30	71.2	− 1.1	90	7	41	26†	43	4.79	+0.59	1.02	0	8	2	15	14	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	20	74.0^{d}	+ 1.1	96^{d}	3†	43^{c}	23	41^{e}	2.50	−1.09	0.80	0	9	12^{c}	15^{c}	1^{c}	...	G. W. Wright.
New Cumberland	Hancock	987	25	70.4	− 0.5	94	7	42	23	37	4.30	+0.82	1.65	0	11	19	3	9	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	29	72.0	− 2.1	94	7	44	23	39	4.59	+1.09	1.00	0	10	17	9	5	s.	Wm. Ankrom.
Parkersburg	Wood	638	36	73.0	− 0.2	90	7	48	24	31	7.38	+3.85	2.34	0	14	13	7	11	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	23	71.6^{c}	+ 2.4	94^{c}	8†	41^{c}	25	39^{c}	2.31	−1.48	1.06	0	7	10^{d}	13^{d}	4^{d}	...	J. W. Swisher.
Philippi	Barbour	1,149	26	71.0	− 0.7	89	7	44	24	32	5.06	+1.01	1.24	0	10	15	6	10	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	20	67.6^{b}	+ 0.8	86^{a}	7†	39^{b}	24	35	12.42	+7.31	3.35	0	12	17	11	3	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	36	...	...	...	...	...	...	...	4.38	+0.51	1.00	0	10	...	...	...	...	J. F. Pierce.
Saint Marys	Pleasants	577	14	...	...	...	...	...	...	...	4.89	+0.13	1.00	0	14	...	...	...	sw.	Wm. Hughes.
Smithfield	Wetzel	835	17	71.1	+ 0.1	92	7	43	23	37	3.06	−1.40	0.81	0	12	22	2	7	se.	G. M. Whisler.
Terra Alta	Preston	2,612	22	64.6	− 3.3	82	6†	33	23	36	4.49	−0.50	0.96	0	11	13	12	6	w.	J. J. Shanahan.
Vandalia	Lewis	1,120	0	...	...	...	...	...	...	...	5.09	...	1.98	0	7	19	7	5	...	W. S. Linger.
Wellsburg	Brooke	1,225	22	70.2	− 0.2	93	2†	40	23	37	4.77	+0.93	1.58	0	10	11	11	9	w.	George P. Pfister.
Weston	Lewis	1,026	27	72.0	− 1.0	87	2†	45	24	32	2.32	−1.61	0.46	0	8	16	10	5	...	Weston State Hospital.
Wheeling	Ohio	645	36	72.6^{a}	− 0.8	98^{a}	7	42	23	36^{a}	4.13	+0.46	1.21	0	10	12	11	8	w.	Miss M. B. Forsyth.
Averages and	extremes	...	...	70.7	− 0.5	98	7	33	23	43	4.66	+0.73	3.35	0	11	15	9	7	w.	
Southern Division.																				
Bancroft	Putnam	574	19	69.4	− 4.2	85	12	48	23	25	3.94	−0.48	1.16	0	13	11	8	12	se.	E. H. Morrow.
Beckley	Raleigh	2,440	23	66.0^{a}	− 3.0	84^{a}	1	35^{a}	26	39^{a}	5.06	+2.00	3.77	0	7	13	13	5	sw.	E. E. Phipps.
Bluefield	Mercer	2,558	28	70.2	− 0.7	84	2†	48	26†	34	5.01	+0.59	1.18	0	9	16	3	12	...	Norfolk & Western Ry
Camden-on-Gauley	Webster	2,062	8	...	...	...	...	...	...	...	2.80	...	1.00	0	3	20	0	11	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	20	74.3	− 1.3	90	2†	53	23†	29	3.50	−0.86	0.80	0	10	14	4	13	e.	C. V. Lewis.
Clay	Clay	706	7	...	...	...	...	...	...	...	4.48	...	1.45	0	13	...	...	...	...	Mark King.
Dam 19 O. R.	Wood	557	7	...	...	...	...	...	...	...	5.16	...	1.04	0	12	...	...	...	...	Lockmaster.
Dam 20 O. R.	Wood	551	7	...	...	...	...	...	...	...	6.25	...	1.70	0	15	...	...	...	...	Lockmaster.
Dam 26 O. R.	Mason	505	7	...	...	...	...	...	...	...	5 85	...	1.30	0	9	...	...	...	...	U. S. Engineer Office.
Gary	McDowell	1,426	7	70.4	...	87	27	51	25	28	6.25	...	1.60	0	16	...	...	...	...	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	W. H. Gwinn.
Hinton	Summers	1,450	26	73.0	− 0.7	89	21	51	24	30	4.20	+0.34	1.34	0	12	10	0	21	w.	J. B. Lavender, C. E.
Huntington	Cabell	538	29	73.6	− 1.2	90	8†	52	23	25	4.82	+1.11	1.72	0	9	13	5	13	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	4	...	...	...	...	...	...	...	2.87	...	0.75	0	9	...	...	...	...	J. O. Brown.
Kayford	Kanawha	1,335	7	...	...	...	...	...	...	...	6.97	...	1.18	0	14	...	...	...	...	Cabin Creek Con. Coal C
Lewisburg	Greenbrier	2,200	23	69.8	− 0.1	88	10	45	25	31	5.74	+2.18	1.91	0	11	18	8	5	s.	Geo. T. Argabate.
Logan^{b}	Logan	700	20	79.2	+ 5.0	97	12†	54	22	38	3.61	−0.04	1.06	0	9	12	8	9	...	Geo. R. Travis.
Marlinton	Pocahontas	2,131	24	65.3	− 1.9	82	7†	42	23†	28	4.89	+0.26	1.44	0	13	5	25	1	sw.	S. L. Brown.
Organ Cave	Greenbrier	...	1	...	...	...	...	...	...	...	4.60	...	1.62	0	8	...	...	...	...	D. C. Humphreys.
Point Pleasant	Mason	553	30	75.0	+ 0.4	94	12	47	23	37	4.46	+1.34	1.17	0	7	17	4	10	...	W. D. Holmes.
Powellton	Fayette	933	27	...	...	...	...	...	...	...	3.42	−0.85	...	0	8	...	...	...	...	Elkhorn-Piney Coal Co
Raleigh	Raleigh	2,130	7	...	...	...	...	...	...	...	4.00	...	2.00	0	8	...	...	...	...	Raleigh Coal & Coke Co
Ravenswood (Dam 22)	Jackson	538	8	73.0	...	92	6	41	24	32	2.89	...	0.95	0	8	16	0	15	sw.	Lockmaster.
Robertsburg	Putnam	574	23	73.7	− 0.7	94	1	47	23	32	4.58	+1.33	1.12	0	12	19	0	12	...	M. Frazier.
Ryan	Roane	700	20	71.8	− 1.3	89	6	44	23	36	6.14	+2.28	1.28	0	10	13	8	10	...	Wm. E. Ryan.
Sharples	Logan	...	3	...	...	...	...	...	...	...	4.10	...	0.85	0	8	...	...	...	...	C. E. Rippetoe.
Spencer	Roane	784	19	70.7	− 2.0	88	9	45	24	29	3.69	+0.13	1.24	0	12	6	21	4	...	A. M. McKown.
Sutton	Braxton	839	17	71.7	− 4.1	94	10†	46	24	37	8.16	+4.42	1.93	0	13	18	0	13	...	C. B. Eakle.
Union^{d}	Monroe	2,250	19	72.2	+ 1.6	91	8	44	25	39	4.93	+1.08	3.00	0	8	7	14	6	...	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	13	70.5	− 0.3	90	7†	41	24	37	3.15	−0.51	0.95	0	9	25	4	2	...	J. M. Ayres.
Williamson	Mingo	660	23	73.4	− 1.5	88	6†	54	21†	25	2.57	−0.97	0.68	0	10	19	8	4	w.	J. F. Keyser.
Averages and	extremes	...	...	71.8	− 0.9	97	12†	35	26	39	4.60	+0.74	3.77	0	10	14	7	10	sw.	
State averages and	extremes	...	...	71.0	− 0.7	99	11	33	23	45	4.39	+0.52	3.77	0	10	15	8	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for August, 1923.

Stations.	Drainage-basin.	Day of month.																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac	.05		T.	.10				.40				.16	.19				.66	T.				.60					.05	.05	.09	T.		2.35
Brandywine	do		.60	.45	T.			.25					T.					.65					T.										1.95
Burlington	do		.17	1.60					.16			.45						1.04													.53		3.95
Harpers Ferry |||	do	T.	.07		.31	.08	.68					.10	T.	.78				.32	1.28				.02	.23						.16			4.03
Inwood	do	.11		.15		.35			.01			.09		.40				1.50	.22				.10						.01	.01			2.95
Martinsburg	do	.05		.12				.11			.15							1.95	T.			.20	.02						.06	.26			2.92
Moorefield	do	.15		.05							.15			.10				.95	.05				.22						.12	.45			2.24
Piedmont	do	.04	.18	.80	.02		T.	.03	.23		.24		.16					.85	.01			.40						.02	.11	.01	.02		3.12
Romney	do	.10	.03		1.36			.03		.11		.65	.22	.05		.03		.19	.82					.34						.19	.17	.11	4.40
Stony River Dam |||	do	.20	.05					.04		.03		.06	.04	.20				.05	1.00				.45						.05		.35		2.52
Upper Tract	do	.10	.15	T.	.10				.50	T.	.20		T.							.55													1.60
Wardensville |||	do	.14		T.	T.	.06			T.			.85	1.20	.09				1.15					.15					.04		.35			4.03
Northern Division.																																	
Bens Run	Ohio			.42	.22	.12			.64				.72					.35				.14	.47			.04			.25	.21			3.58
Benson	Monongahela	.07		.03	.26				1.10	.01		.02	1.95					1.12					.49						.79	.02			5.86
Brownsville	do	1.08			1.08	.22			.53		.13		1.28	.38				.37					.61						.61	.13			6.42
Bruceton Mills |||	do			.80	.11	.16	T.	.25	.08		T.		.50	.03		.02	T.	.63		T.		T.	1.67					T.	.81	T.			5.06
Buckhannon	do			.10	.36	T.		.36		.84			.50					.40					.53					T.	.20	.15			3.44
Cairo	Little Kanawha			1.67	.58	.10	.03		T.		.24		.77					.43					.45			T.			.12				4.39
Cheat Bridge |||	Monongahela	.16	.06	.13	.88	.56	.16			.09	.09	.66	.35	.46				.03	.23				.06							.08			4.00
Clarksburg	do			.04	.25			.05	.46	T.		.57	.28	.15				.54					.75						.41	.11			3.61
Cortland ||	do			.07					.44		.59		.26				.07	.88				.74							.04				3.09
Creston |||	Little Kanawha				.56	.36	.55			.30		1.83	.82	1.19				T.	.07				.55						T.	.47			6.70
Dam 10, Mon. R. ||||	Monongahela				.83	.09	.03	.18		.54			.10	.34		.03		.05	.47		.01		1.13	.09						.49		.06	4.44
Dam 12, O. R. ||	Ohio				.42	2.43	.01						.10	1.07		.05			.03		.37		.52						.62	.17			5.79
Dam 13, O. R |||	do				.03	.51		.04					.24	1.04		.01		.04	.11		.01		.65						.30	.16			3.14
Dam 15, Mon. R. ||||	Monongahela				.32			.11		.40			.08	.52				.12	.30	.05			.74	.14						.35			3.13
Davis ||	do	T			.05	.09		T		.49		.37		.33				.05	.98				.60	.04				T.		.05	.38		3.43
Elizabeth |||	Little Kanawha				.26	.13	.92			.70		1.22	.59	1.05				.28	.10				.87							.60			6.72
Elkins ***	Monongahela			.46	.29	.11	.01	T.	.69	T.	.27		.34			T.	.01	.29	.03				.42					T.	.14	.02			3.08
Fairmont |||	do	T.			.20	.10	.05	.05		.99		T.	.10	.66				.17	.26	.34	T.		.66						T.	.47		T	4.05
Glenville |||	Little Kanawha	.05			1.41	.04	.53	T.	.21		1.00		2.00					1.15	T.				1.40						.04				7.83
Grafton |||	Monongahela																																
Janelew (near)	do	.55		.11	.28				.48		.02	.56	.55				.05	.50				.32							.35	.08			3.85
Lost Creek	do	.02		T.	.22				.93	T.	.35		.78					1.25					.71						.56	.26			5.08
Mannington	do			.35	.01	.01	.51	.25	.44		T		.50					.51			.01		.88						.36	T.			3.83
Morgantown	do			1.02	.43	T.		.43	.38				.46					.57		T.			1.00						.50				4.79
Moundsville |||	Ohio				.15	.80		.10					.10	.40		.15		.15											.60	.05			2.50
New Cumberland |||	do	.17			.05	1.60			.05				.12	.12		.18							.17						1.31	.46	.07		4.30
New Martinsville	do	.75		1.00	.20		.10		.85				.30					.31				.05	.70						.30				4.59
Parkersburg ***	Ohio		T.	.95	1.89	.82	.02		1.35		.02	.13	.51				T	.62				.21	.46		.04				.22	.14			7.38
Parsons	Monongahela			.40	.60				*	.05	T.		1.06					*					.20										2.31
Philippi	do	T.		T.	.24	.27			.62		T.	.53	.82	.05				1.24					.78						.33	.18			5.06
Pickens	do	.70	.42	.67	.65	.99			.42		2.77	1.94	3.35					.18					.21						.12				12.42
Rowiesburg |||	do						.70	.12		.60			.10	.60				.10	.63				1.00							.43	.10		4.38
Saint Marys |||	Ohio				.55	.33	.24	.38		.18	.08		1.00	.20				.21	.30				.95			.06			.13	.28			4.89
Smithfield |||	Fishing Creek				.18	.04	.45		.46				.19	.38				.28	.12				.81			.02			.04	.09			3.06
Terra Alta	Monongahela			.15	.08			.42	.69				.18	.46		.12		.64	T.				.96						.32	.47			4.49
Vandalia	do				1.17				1.07				1.98			.06		.26					.50							.05			5.09
Wellsburg	Ohio			.37	.45	.20			T.				.26			.10		.26		T.			.21						1.55	1.30	.04		4.77
Weston	Monongahela	.03		.07	.46				.40		.08							.44					.46						.38				2.32
Wheeling |||	Ohio				.20	1.21							.17	.80				.01	T.		.19		.75			.05			.50	.25			4.13
Southern Division.																																	
Bancroft |||	Great Kanawha	.02			.54	.40			.30	1.16		.01		.31				.04	.09				.88	.01				.06		.12			3.94
Beckley	do				.20	.09			.31	.10	.28		3.77										.31										5.06
Bluefield	do	.28			1.18					1.06	.20	.61	1.00					.10					.23				T.		T.	.35			5.01
Camden-on-Gauley |||	do	1.00											1.00					.80															2.80
Charleston |||	do	.35			.10		.25			.15		.50	.30	.80				T.	.20				.45				T.			.40			3.50
Clay ||	do	1.45			.25	.20	.10	.45	.02	.07			1.20	.54					.04				.07	.03						.06			4.48
Dam 19 O. R. |||	Ohio				.89	.11	.55	.06		.48		T.	.48	.49		T.		.30	.38				1.04			.12				.26			5.16
Dam 20 O. R. |||	do				.43	.05	1.22	.24		.29		.17	1.70	1.10				.23	.12				.61	.02		.02			.01	.04			6.25
Dam 26 O. R. |||	do	.15			.40	.65	.50			1.30				1.20		.05							.80							.80			5.85
Gary ||	Big Sandy	1.60	.03		.07	.75				.22	.15	1.00	.52	.88				.02	.14				.04	.19				.08		.54	.02		6.25
Green Sulpr. Spgs.	do																																
Hinton |||	do	.06	.26		.16	.12	.28				.04	1.00	.52	1.34				T.	.06				.02					T.		.34			4.20
Huntington |||	Ohio	.14				.48					.42	1.30		.84				.02					1.40					.10		.12			4.82
Kanawha Falls |||	Great Kanawha	.34			.08					.10		.16	.68	.75					.10				.28							.38			2.87
Kayford |||	do	1.18			.56	2.07	.04		.19	.11	.06	.06	.51	1.15					.08				.57	.10						.29			6.97
Lewisburg	do	.27		.03	1.11			.27			1.83	.09	1.91					.10	.02				.05						.06				5.74
Logan	Guyandotte					1.06		.30	.52	.31		.25	.74					.05					.35						.03				3.61
Marlinton	Great Kanawha		T.	.20	.04	.03			.04	.06	1.08	.12	1.44					.66	.54				.08						.54	.06			4.89
Organ Cave	do			T.	1.16	.24					.45	.83	1.62					.06					.09						.15				4.60
Point Pleasant	Ohio			T.	.83				.91		1.17		.30			T.							1.00			.05				.20			4.46
Powellton	Great Kanawha				*	*				1.50	.47	.10	1.14					.20											.01				3.42
Raleigh |||	do					.20				.50	.40		.20	2.00				.30					.20					.20					4.00
Ravenswood (Dam 22	Ohio				.10	.60	.30						.35	.90					.04				.50							.10			2.89
Robertsburg |||	Great Kanawha				.24	1.00				.51				.74	.10	.15		.02	.02				1.12	.02				.23		.43			4.58
Ryan	do			1.25	.57	T.		1.06	.48			.54	1.28					.32					.52				.02	T.	.10				6.14
Sharples ||	Coal River					.85		.50		.80	.30	.20	.60	.20																.65			4.10
Spencer |||	Little Kanawha				.05	.04	.36	.35		.04	T.	.14	1.24	.35		.06		T.	.16				.75					T.		.15			3.69
Sutton	Great Kanawha			.72	.38	.54	1.10	.50	.40		.42		1.93	.46			.12						.29						.67	.63			8.16
Union	do	.31			.54	.15		.20		.34		.19	3.00										.20										4.93
White Sulpr. Spgs. |||	do	.05		.42	.35						.95	.61	.53				.04	.09					.11										3.15
Williamson |||	Big Sandy					.35	.04	.42	T.	.25	.10	T.	T.	.68					.06				.15					.10		.42			2.57

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for August, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	75	87	85	80	83	86	87	85	79	84	87	87	76	81	81	78	75	78	80	80	83	82	72	72	73	78	80	79	75	77	84	80.3
	Minimum	61	57	56	61	68	65	67	62	62	58	60	61	63	43	63	47	60	59	51	54	43	47	37	35	50	37	47	54	57	48	47	54.2
Brandywine	Maximum	87	88	89	90	90	91	91	92	91	90	93	89	80	85	86	84	80	82	86	84	85	70	78	75	80	83	85	86	87	86	85	85.4
	Minimum	60	60	63	64	65	64	66	64	63	64	63	65	63	50	56	50	52	53	54	53	52	52	43	42	45	46	48	54	57	60	59	56.5
Burlington	Maximum	....	86	89	84	88	88	90	90	79	85	93	88	83	86	86	83	77	74	84	83	88	82	70	75	77	79	79	84	80	80	84	83.1
	Minimum	....	65	63	67	67	66	71	68	65	65	65	70	65	51	63	55	62	59	56	59	48	49	43	44	57	44	59	57	61	53	53	59.0
Inwood	Maximum	76	83	90	88	90	90	91	91	79	81	87	88	90	83	88	83	74	70	97	81	90	85	71	78	89	88	80	81	81	83	84	84.2
	Minimum	63	65	64	69	65	68	72	73	64	63	66	65	66	54	66	58	61	59	55	64	55	52	46	47	57	56	47	61	63	56	56	60.5
Martinsburg§	Maximum	73	86	93	89	94	92	96	95	83	82	93	94	85	91	92	80	65	74	91	81	90	75	74	81	85	80	85	83	86	87	88	85.3
	Minimum	65	66	70	61	60	62	62	54	54	57	57	59	46	58	50	52	49	58	66	56	54	46	38	57	49	57	63	64	58	58	59	56.9
Moorfield	Maximum	80	92	97	92	95	97	98	97	86	94	99	94	90	96	96	90	82	80	91	87	93	87	80	82	86	84	90	90	88	85	83	89.9
	Minimum	67	....	67	....	....	....	....	....	....	....	....	....	....	....	....	....	56	66	55	57	48	49	42	41	50	43	51	55	52	56	51	53.3
Piedmont	Maximum	72	85	92	86	89	89	89	89	80	84	93	88	79	86	86	74	72	75	85	81	89	80	72	77	77	82	78	84	82	82	86	82.7
	Minimum	64	65	64	66	68	68	70	67	66	65	67	66	69	53	64	55	62	60	58	59	50	49	45	44	52	44	53	60	59	54	54	59.4
Romney	Maximum	....	....	92	86	92	91	92	92	82	....	90	90	83	90	88	80	67	82	87	82	92	73	75	81	73	....	....	....	90	82	....	84.7
	Minimum	....	....	....	63	67	65	70	67	64	61	....	65	68	51	71	54	61	59	56	60	50	48	41	44	53	44	....	....	....	53	54	57.9
Upper Tract	Maximum	75	76	79	80	82	85	85	85	85	87	89	89	87	86	86	85	85	81	80	82	84	83	79	78	78	80	81	82	83	82	83	82.6
	Minimum	63	63	62	62	62	63	63	63	62	59	59	58	58	52	49	49	48	49	51	50	51	50	45	46	45	46	47	48	51	50	50	54.0
Northern Division.																																	
Bens Run	Maximum	88	90	86	86	84	91	89	86	88	85	88	84	88	86	86	77	72	81	85	82	87	78	75	77	71	82	89	76	81	85	88	83.6
	Minimum	65	66	71	70	68	72	71	71	65	65	72	69	65	66	65	58	61	60	61	60	56	51	47	49	50	51	56	66	62	59	61	62.2
Buckhannon	Maximum	81	85	84	80	85	85	87	81	84	84	83	80	77	81	82	70	70	80	78	76	82	74	70	71	73	75	76	80	78	79	82	79.1
	Minimum	65	63	67	68	69	69	69	69	64	67	65	68	67	52	65	64	65	60	56	62	54	54	45	45	48	48	50	65	63	53	53	60.4
Cairo	Maximum	88	90	86	84	84	89	89	86	88	89	89	85	82	87	86	80	77	80	85	81	87	78	73	76	78	81	87	75	80	84	87	83.6
	Minimum	63	61	68	69	67	66	69	68	65	63	68	68	62	53	64	59	55	58	57	59	52	51	44	43	52	49	58	63	61	55	56	59.5
Clarksburg	Maximum	84	89	90	84	86	88	90	89	87	85	88	86	78	83	84	82	75	82	83	83	86	85	84	74	74	80	87	85	81	84	87	84.0
	Minimum	65	64	68	69	69	70	70	70	66	65	69	69	67	54	65	55	62	61	61	68	52	51	45	44	53	49	56	64	62	56	57	61.2
Creston	Maximum	91	91	90	84	85	90	92	87	89	88	89	87	81	88	86	80	70	83	88	82	89	81	74	76	79	84	89	82	81	86	89	84.9
	Minimum	64	63	69	70	69	67	68	70	67	67	67	67	63	55	64	57	62	61	59	60	55	53	46	48	53	57	59	64	62	56	57	61.3
Elkins	Maximum	82	85	82	79	82	85	86	86	83	84	85	83	76	82	81	79	65	78	80	75	83	76	69	71	73	76	81	80	77	79	82	79.5
	Minimum	63	61	62	65	67	68	70	67	66	63	68	67	54	50	60	56	62	61	59	55	52	48	44	43	51	47	54	62	57	53	53	58.3
Fairmont§	Maximum	81	89	86	82	85	89	90	84	85	84	88	82	80	85	86	80	71	80	84	81	85	69	74	75	78	80	85	78	81	80	86	82.0
	Minimum	65	64	69	66	64	68	71	71	66	63	67	70	64	55	61	56	60	62	60	60	55	51	44	46	54	48	50	60	62	56	57	60.2
Glenville	Maximum	92	94	94	86	82	93	93	94	90	90	94	93	86	90	90	89	75	83	87	87	90	90	79	79	82	85	90	90	85	89	92	88.2
	Minimum	65	65	69	68	69	69	69	70	70	68	68	64	65	56	63	59	63	63	59	60	55	53	46	46	52	53	58	62	62	57	58	61.4
Lost Creek	Maximum	84	87	86	82	85	88	88	87	84	85	86	81	79	84	83	80	70	79	81	78	85	79	71	73	75	78	84	80	78	80	84	81.4
	Minimum	63	60	65	67	67	66	68	67	64	62	66	67	64	48	62	52	60	58	57	60	50	50	41	40	49	45	54	63	57	52	54	58.0
Mannington	Maximum	80	85	85	83	84	86	87	84	83	81	85	83	78	82	82	76	69	78	81	71	84	79	69	72	73	76	83	77	78	79	80	79.8
	Minimum	64	63	68	68	69	69	70	68	64	60	69	70	63	54	63	54	61	60	58	58	50	51	43	44	49	45	53	61	61	55	57	59.4
Morgantown	Maximum	85	89	88	83	86	89	90	86	88	87	89	84	79	83	83	79	73	80	83	78	85	80	72	73	75	84	84	81	78	81	86	82.6
	Minimum	66	65	70	68	72	70	71	70	64	63	68	69	65	53	66	50	61	60	60	58	54	49	45	45	55	41	41	64	64	46	58	59.7
New Cumberland§	Maximum	87	91	78	88	85	90	94	81	87	90	88	88	76	87	81	78	82	83	86	80	88	69	72	76	73	80	78	79	79	85	86	82.7
	Minimum	67	65	70	70	71	68	69	70	65	55	57	64	60	54	56	52	56	58	51	52	59	52	42	45	46	43	49	58	61	56	59	58.1
New Martinsville	Maximum	90	92	91	88	89	90	94	87	90	89	92	86	84	88	88	79	72	82	87	82	89	75	76	78	80	83	88	78	84	87	90	85.4
	Minimum	62	61	67	66	65	67	68	68	61	58	66	66	61	53	62	54	60	58	60	55	50	50	44	46	51	49	53	61	62	55	57	58.6
Parkersburg	Maximum	87	90	89	86	83	89	90	86	87	83	87	88	81	88	85	76	70	79	87	79	87	70	73	76	76	80	88	77	80	84	87	82.8
	Minimum	66	67	70	71	69	70	73	70	67	68	72	67	62	57	68	61	62	60	60	62	60	54	50	48	57	56	62	69	63	58	62	63.3
Parsons	Maximum	88	91	85	89	92	90	91	94	94	90	90	88	88	83	91	84	68	....	....	....	88	80	75	75	80	80	85	85	82	85	84	85.5
	Minimum	55	57	56	57	66	68	68	67	68	67	67	60	58	53	56	58	62	....	....	....	60	48	48	45	41	49	50	58	58	59	57	57.7
Philippi	Maximum	84	87	85	82	83	88	89	82	83	85	88	83	79	84	83	80	72	80	82	77	84	80	72	72	74	78	85	81	78	82	85	81.5
	Minimum	61	65	66	68	69	65	67	64	67	66	68	67	58	52	67	55	61	60	60	60	55	50	45	44	56	48	58	64	63	65	59	60.5
Pickens	Maximum	83	85	84	77	75	85	86	86	83	84	80	74	82	81	82	82	69	78	80	78	83	....	72	72	74	77	85	80	78	80	84	80.0
	Minimum	58	58	60	63	64	60	64	65	60	58	50	60	....	48	54	51	59	55	56	58	52	....	49	39	48	46	53	62	55	53	49	55.1
Terra Alta	Maximum	73	81	81	77	77	82	82	81	74	80	82	80	73	75	76	73	68	72	73	73	78	73	66	68	68	72	74	73	68	74	78	75.0
	Minimum	60	56	58	61	67	67	67	65	60	54	63	64	60	42	64	46	58	56	52	62	42	44	33	37	52	36	46	58	57	48	47	51.3
Wellsburg	Maximum	89	93	85	85	87	89	93	84	89	88	90	89	76	86	82	78	77	82	84	81	86	80	72	76	76	79	78	75	78	85	86	83.2
	Minimum	62	66	67	67	70	66	69	67	57	56	62	68	60	51	60	52	61	60	54	53	49	49	40	45	46	44	48	54	57	55	57	57.2
Weston	Maximum	86	87	86	85	87	86	86	85	84	87	84	83	85	85	83	78	72	82	84	80	82	81	74	75	78	79	86	83	81	82	86	82.6
	Minimum	64	63	69	69	71	69	70	69	63	71	68	68	66	53	67	57	63	63	62	61	54	52	46	45	53	50	58	64	62	55	56	61.3
Wheeling§	Maximum	91	96	91	84	91	95	98	89	81	89	92	92	84	92	88	80	80	89	90	85	90	76	77	80	82	80	87	82	84	81	....	86.5
	Minimum	63	64	68	67	68	69	70	70	61	59	60	69	60	57	58	54	59	59	54	50	54	52	42	45	48	49	54	58	62	58	60	58.7
Southern Division.																																	
Bluefield	Maximum	82	84	83	84	82	83	83	83	80	76	82	82	77	84	84	82	81	80	82	83	83	81	67	76	80	80	82	82	78	80	81	80.9
	Minimum	60	60	62	62	62	64	64	64	64	64	64	64	62	60	64	55	60	55	55	62	58	58	60	65	49	48	48	66	62	52	52	59.5
Charleston	Maximum	85	90	87	85	89	90	90	85	89	85	88	85	84	89	85	84	78	79	84	85	89	76	72	74	73	82	85	82	83	82	86	83.9
	Minimum	65	67	70	70	72	74	73	75	71	72	70	68	67	64	65	63	65	65	62	64	60	55	53	53	57	59	60	62	60	62	62	64.7
Gary§	Maximum	65	66	73	83	80	75	75	84	79	73	75	85	73	72	74	74	73	78	82	80	86	73	76	75	79	80	87	83	77	82	85	77.5
	Minimum	61	63	64	66	68	69	72	71	70	68	69	69	67	62	65	60	63	67	66	58	60	62	57	52	51	53	60	62	66	59	58	63.
Hinton§	Maximum	84	84	86	86	85	87	86	88	81	85	88	77	80	87	84	85	76	83	85	85	89	70	74	80	81	79	85	87	80	84	84	83.
	Minimum	63	63	67	67	69	68	69	70	68	70	69	69	66	61	62	61	60	66	65	61	61	62	53	51	52	53	55	61	65	60	59	62.
Huntington§	Maximum	84	87	88	88	82	88	86	90	83	85	86	90	82	86	87	81	70	74	84	81	86	67	71	74	78	78	84	77	80	82	84	82.
	Minimum	66	67	72	73	73	71	71	74	73	72	70	70	70	64	68	64	63	63	63	63	61	53	52	53	56	60	60	68	67	60	60	65.
Lewisburg	Maximum	82	86	87	83	85	86	84	87	82	88	83	78	78	82	81	84	74	79	80	79	85	76	70	72	74	76	82	82	77	81	79	80.
	Minimum	60	62	64	66	64	65	68	66	65	65	65	64	64	53	60	53	65	64	63	54	54	57	47	46	45	47	54	61	64	51	51	58.
Logan	Maximum	96	96	94	....	90	94	91	91	92	96	92	97	91	....	95	94	88	86	93	93	97	92	86	83	88	88	94	94	87	88	92	91.
	Minimum	64	68	71	....	73	73	72	70	72	73	71	71	70	....	69	70	68	66	65	69	72	54	55	56	57	58	65	66	68	63	64	66.
Marlinton	Maximum	76	78	80	78	76	80	82	80	78	82	80	72	70	72	76	78	76	72	74	72	78	70	68	66	70	70	76	74	72	74	72	74.
	Minimum	58	60	60	58	62	60	64	66	60	66	64	62	56	50	56	52	58	62	58	52	50	50	42	42	46	48	54	54	56	52	50	55.
Point Pleasant	Maximum	92	93	91	86	88	93	92	91	89	88	91	94	87	91	91	80	72	80	89	88	90	89	76	79	80	82	84	88	83	87	90	86.
	Minimum	63	65	71	71	73	71	71	72	67	70	69	70	64	59	65	69	64	58	62	61	59	52	47	50	55	55	63	62	64	58	60	63.
Powellton	Maximum	....	....	92	....	....	....	....	....	92	89	89	90	....	90	....	....	....	....	....	88	93	81	....	79	....	....	91	85	....	84	88	....
	Minimum	....	....	61	....	....	....	....	....	67	59	69	59	....	48	....	....	....	....	....	49	59	55	....	49	....	....	54	64	....	55	58	....
Ravenswood	Maximum	88	89	87	84	83	92	91	89	89	88	91	89	89	87	88	80	71	78	86	82	84	85	73	73	78	81	87	85	81	81	81	84.
	Minimum	63	65	70	71	71	69	69	66	66	66	71	67	67	55	65	61	61	60	54	61	60	53	45	41	51	52	61	67	64	64	64	61.
Robertsburg§	Maximum	94	92	90	89	85	91	90	89	87	88	89	91	88	89	89	80	69	80	87	84	89	73	75	79	80	85	90	79	82	84	90	85.
	Minimum	63	64	68	66	70	68	68	70	68	69	67	71	68	67	66	58	62	61	58	60	57	51	47	48	53	53	59	65	63	55	58	62.
Ryan	Maximum	86	88	88	84	83	89	86	86	86	88	88	87	83	85	83	85	75	78	85	82	87	79	73	75	79	79	87	80	81	83	87	83.
	Minimum	62	61	67	68	68	65	67	67	69	67	67	69	64	54	65	56	61	60	58	57	53	56	44	47	62	50	59	63	59	51	51	60.
Spencer§	Maximum	85	86	86	80	81	87	87	85	88	85	87	80	84	83	85	79	66	76	82	76	84	66	70	72	76	77	84	79	78	81	85	80.
	Minimum	65	64	69	70	72	57	65	69	70	67	67	68	55	66	58	58	61	60	59	61	56	52	46	45	49	53	56	63	63	54	57	60.
Union	Maximum	82	87	88	87	90	....	88	91	90	88	84	84	....	86	88	88	88	79	....	89	87	85	71	76	80	86	....	86	81	84	84	85.
	Minimum	66	61	61	63	65	....	66	67	66	65	67	63	....	54	60	52	65	63	....	54	54	59	59	48	44	47	....	66	62	52	52	59.
White Sulphur Spgs§	Maximum	86	89	86	88	87	88	90	90	85	85	79	83	86	87	79	74	78	85	84	82	71	72	69	78	78	84	81	78	82	80	83	82.
	Minimum	63	65	66	65	66	67	67	65	67	67	66	64	54	59	54	56	62	63	54	54	55	49	47	41	48	55	59	63	54	53	56	58.
Williamson§	Maximum	85	87	86	85	80	88	83	80	82	86	85	88	88	86	86	84	71	78	81	83	83	64	71	73	79	79	85	78	80	80	82	81.
	Minimum	64	65	68	70	72	72	72	71	70	71	71	71	70	67	69	65	66	65	65	63	64	63	55	54	54	57	60	65	66	62	60	65.

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXXI. PARKERSBURG, W. VA., SEPTEMBER, 1923. No. 9.

GENERAL SUMMARY.

September averaged somewhat warmer and wetter than usual, with a slight excess in sunshine. Although the month averaged warmer, the week ending on the 17th was the coolest of State record for the middle of September, and the temperatures on the mornings of the 15th and 16th were near the State record for the first and second decades of September, giving light to killing frosts in many localities of the northern and central counties. Freezing temperature was recorded at several stations in the northern mountain counties, where late garden truck was much damaged. There was but little frost damage in other sections of the State. The rainfall was well distributed and ample for all purposes, but there was no rainfall of consequence after the 21st. The conditions were favorable for ripening crops, fall seeding, harvesting, and silo filling.

TEMPERATURE.

The monthly mean for the State, determined from 51 stations, was 66.5°. The departure from the normal for 44 stations having ten or more years of record was +0.8°. Moderately warm weather prevailed from the 1st to the 8th and the temperature was also continuously above the normal from the 18th to the 30th, the highest readings occurring generally on the 1st, 4th, 25th and 26th. The weather was exceptionally cool for the season from the 9th to the 18th, with the lowest readings occurring generally on the 15th and 16th.

PRECIPITATION.

The average precipitation for the State, determined from 75 stations, was 3.31 inches. The departure from the normal for 48 stations having ten or more years of record was +0.40 inch. Nearly all the rainfall was received from the 3d to the 10th and from the 19th to the 21st; but there were light and scattered showers on the 12th, 13th, 15th, 23d, 24th, 26th, and 27th. The heaviest rain fell on the 4th, 6th, and 20th-21st. While snow did not fall at any station, there were snow flurries on the mountains of Preston County on the 15th.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bayard, 25th; Brandywine, 16th, 24th, and 25th; Elkins, 1st, 2d, 10th, 15th, 17th, and 19th; and from the 23d to the 26th; Hinton, 1st, 6th, 11th, 12th, 14th, 17th, 18th, 23d, 25th, 26th, and 28th; Huntington, 24th and 25th; Mannington, 1st, 2d, 6th, 8th, 10th, 16th, 24th, 25th, 27th, and 28th; Marlinton, 1st to the 3d, 8th and 9th, 11th to the 14th, 17th and 18th; and from the 23d to the 30th; New Cumberland, 25th, 26th, and 27th; Parkersburg, 24th; Pickens, 15th; Pt. Pleasant, 11th; Terra Alta, 27th; Smithfield, 16th, 27th, and 28th; Wellsburg, 10th and 16th; Wheeling, 4th, 11th, 15th, 17th, and 22d, and from the 24th to the 27th.

Hail: Brownsville, 20th.

Halos, lunar: Wheeling, 23d, 25th, 26th, and 27th.

Thunderstorms (dates and number of stations reporting): 3d, 2; 4th, 2; 5th, 12; 6th, 5; 7th, 2; 8th, 4; 9th, 1; 12th, 1; 19th, 1; 20th, 9; 21st, 3; 23d, 1.

A solar eclipse was observed generally throughout the State on the afternoon of the 10th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA.

Stations.	Mean barometric pressure. (sea level)	Mean relative humidity. 8 a. m.	local noon.	8 p. m.	Sunshine. Total hours.	Percentage of possible.	Wind. Total movement miles.	Average hourly velocity.	Max. velocity. Miles per hour.	Direction.	Date.
Cincinnati, Ohio...	30.08	85	55	76	243.3	65	3,790	5.3	19	se.	20
Columbus, Ohio...	30.10	84	59	67	253.3	68	5,930	8.2	28	w.	27
Elkins............	30.13	95	54	82	228.2	61	2,167	3.0	17	nw.	30
Lexington, Ky.....	30.09	83	64	....	172.8	46	7,787	10.8	34	sw.	6
Parkersburg.......	30.11	83	55	76	240.7	65	2,629	3.7	15	n.	30
Pittsburgh, Pa.....	30.11	84	64	68	253.4	61	5,586	7.8	31	w.	13
Wytheville, Va....	30.10	92	62	80	228.0	61	2,495	3.5	20	sw.	7

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation. Average.	Greatest.	Least.	Snowfall (in inches).	Number of days. Clear.	Partly Cloudy.	Cloudy.
1891	66.8	......	......	1.66	......	......	......	......	......	......
1892	64.4	92	32	2.57	......	......	......	......	......	......
1893	65.0	91	29	2.28	......	......	......	......	......	......
1894	67.8	98	31	2.50	4.50	1.05	......	......	......	......
1895	70.3	107	29	1.70	4.75	1.25	......	12	11	7
1896	65.2	95	22	4.59	4.25	0.42	......	17	8	5
1897	66.4	103	27	1.14	9.04	1.58	......	14	9	7
1898	67.6	97	33	2.42	4.00	0.02	......	22	6	2
1899	64.0	100	26	3.65	4.75	0.80	......	16	10	4
1900	71.1	100	35	1.92	6.35	1.65	......	14	9	7
1901	64.8	95	27	3.35	5.50	0.34	......	14	10	6
1902	64.8	98	25	2.98	7.64	1.46	......	13	8	9
1903	64.7	97	25	1.30	4.81	1.23	......	12	9	9
1904	67.0	95	25	1.76	2.78	0.10	......	21	6	3
1905	65.6	97	29	2.21	4.55	0.53	......	16	10	4
1906	69.9	97	38	3.25	4.21	0.54	......	18	8	4
1907	66.3	93	30	4.41	5.44	0.57	......	12	10	8
1908	65.9	99	24	0.95	7.10	2.00	......	12	10	8
1909	63.7	95	28	2.74	2.54	0.26	......	21	6	3
1910	68.4	97	32	3.50	8.75	0.63	......	15	9	6
1911	68.8	100	32	4.67	6.04	0.50	......	12	11	7
1912	68.6	98	30	3.85	8.30	1.80	......	12	11	7
1913	64.2	100	25	2.88	9.18	1.13	......	17	7	6
1914	63.2	97	24	1.58	6.38	0.86	......	14	7	9
1915	67.6	100	31	3.84	5.65	0.47	......	18	6	6
1916	63.0	99	27	3.71	7.18	2.00	......	16	8	6
1917	62.4	98	23	2.79	7.88	1.01	......	18	6	6
1918	60.5	93	24	2.92	6.62	1.16	T.	17	7	6
1919	66.0	98	31	2.11	4.73	1.37	T.	15	7	8
1920	66.7	96	34	3.14	4.37	0.12	......	18	7	5
1921	70.9	97	39	4.76	5.38	1.34	......	16	7	7
1922	67.2	100	25	2.14	9.07	1.65	......	12	10	8
1923	66.5	96	29	3.31	5.64	0.10	......	21	5	4
Means and extremes	66.2	107	22	2.99	5.36	1.00	......	16	8	6
					9.18	0.02	T.	16	8	6

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., September, 1923.

See temperature and precipitation data in Climatological Tables, Pages 34, 35, and 36.

Station.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation	.150	.210	.165	.085	.085	.060	.145	.270	.110	.146	.139	.080	.180	.160	.005	.105	.085	.095	.040	.055	.095	.095	.075	.095	.045	.125	.100	.135	.095	.165	....	3.395
	Wind movement	22	23	36	20	18	31	22	69	46	37	36	38	102	12	39	22	21	23	38	15	50	27	17	14	22	8	22	12	22	63	....	927

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for September, 1923.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	22	61.7	+ 1.7	84	1†	31	15	40	5.03	+1.61	2.38	0	8	22	5	3	w.	U. G. Clark.
Brandywine	Pendleton	......	7	65.6	......	90	2	33	16	42	3.55	......	1.05	0	8	21	2	7	sw.	Elmer Keister.
Burlington	Mineral	875	29	68.2^{a}	+ 4.0	91	24†	36^{a}	17	43^{a}	2.87	−0.12	1.50	0	5	23	6	1	se.	Mary Vandiver.
Harpers Ferry	Jefferson	244	34	......	......	......	......	......	......	....	2.39	−0.42	1.05	0	7	....	....	....	......	J. C. Newcomer.
Inwood	Berkeley	569	1	66.9	......	86	3	38	16	32	3.98	......	2.45	0	11	17	10	3	se.	H. W. Prettyman.
Martinsburg	Berkeley	435	31	67.8	+ 1.7	89	3†	33	17	42	3.10	+0.29	1.13	0	9	18	10	2	nw.	Dr. H. S. Gardner.
Moorefield	Hardy	900	27	67.6	+ 0.9	94	3	34	16	46	2.71	+0.15	1.15	0	5	27	3	0	......	M. S. Henkel.
Piedmont	Mineral	919	10	66.4	......	88	3	37	15	37	1.82	......	0.78	0	7	13	10	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	25	67.0^{a}	+ 0.9	89^{a}	3	34	17	42^{a}	2.82	+0.16	1.32	0	8	20	1	9	......	Geo. E. Arnold.
Stony River Dam	Grant	......	3	......	......	......	......	......	......	....	3.31	......	1.54	0	8	7	10	13	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	24	63.0^{b}	− 2.5	88^{b}	4†	34^{b}	15†	42^{b}	4.30	+1.98	1.80	0	4	24	1	5	w.	J. M. Mallow.
Wardensville	Hardy	1,200	5	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Luther F. Sutton.
Averages and	extremes	......	....	66.0	+ 1.1	94	3	31	15	46	3.26	+0.52	2.45	0	7	19	6	5	w.	
Northern Division.																				
Bens Run	Pleasants	622	21	69.2	+ 1.5	90	26	40	16	34	1.51	−0.84	0.44	0	8	19^{a}	7^{a}	3^{a}	......	J. D. Riggs.
Benson	Harrison	1,080	0	......	......	......	......	......	......	....	4.76	......	1.75	0	7	....	....	....	......	R. D Marts.
Brownsville	Lewis	1,032	0	......	......	......	......	......	......	....	4.91	......	1.14	0	8	24	3	3	w.	S. L. Montgomery.
Bruceton Mills	Preston	1,549	3	......	......	......	......	......	......	....	2.40	......	0.50	0	8	2	23	5	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	26	64.4	+ 0.4	84	2†	36	16	36	2.61	−0.52	0.85	0	5	22	6	2	......	H. A. Darnall.
Cairo	Ritchie	680	24	67.0	− 0.9	88	1†	36	16	40	4.23	+1.62	1.03	0	7	15	10	5	......	O. C. Hess.
Cheat Bridge	Randolph	3,558	5	55.8^{a}	......	80^{a}	1	31	16†	38^{a}	4.36	......	1.82	0	11	20	5	5	......	H. F. Cromer.
Clarksburg	Harrison	1,015	1	67.6	......	90	2†	40	16†	39	3.25	......	1.04	0	10	12	15	3	w.	Clarksburg Water Board.
Cortland	Tucker	3,300	12	......	......	......	......	......	......	....	4.89	......	2.00	0	7	18	5	7	......	G. W. Harmon.
Creston	Wirt	701	21	68.0	+ 0.8	90	1	38	16	40	2.46	−0.12	0.73	0	6	13	6	11	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	2	......	......	......	......	......	......	....	2.61	......	1.16	0	7	....	....	....	s.	Lockmaster.
Dam 12 O. R.	Ohio	614	7	......	......	......	......	......	......	....	4.29	......	1.40	0	9	....	....	....	......	Lockmaster.
Dam 13 O. R.	Ohio	605	7	......	......	......	......	......	......	....	3.54	......	1.15	0	8	....	....	....	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	2	......	......	......	......	......	......	....	2.86	......	0.84	0	7	....	....	....	......	Lockmaster.
Davis	Tucker	3,093	14	......	......	......	......	......	......	....	3.07	−0.70	0.74	0	12	15	9	6	w.	Ross C. Male.
Elizabeth††	Wirt	646	11	......	......	......	......	......	......	....	3.41	+0.72	0.75	0	7	....	....	....	......	E. D. Ball.
Elkins	Randolph	1,947	22	63.6	+ 1.7	86	26	35	16	37	2.33	−0.54	0.56	0	9	10	10	10	w.	U. S. Weather Bureau.
Fairmont	Marion	883	17	66.5	− 0.1	87	28	39	16	36	3.24	+0.64	1.20	0	8	24	3	3	w.	Creed E. Bolyard.
Glenville	Gilmer	738	29	72.4^{n}	+ 4.7	94	4	41^{n}	17	38^{n}	4.48	+1.21	2.11	0	6	19	8	3	w.	Howard R. Brannon.
Grafton	Taylor	1,000	30	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	W. A. Williams.
Janelew (near)	Lewis	1,020	0	......	......	......	......	......	......	....	3.69	......	1.91	0	7	20	7	3	nw.	Dan Burkholder.
Lost Creek	Harrison	1,026	25	64.5	− 0.4	85	1†	34	16†	41	4.95	+2.17	1.83	0	7	18	7	5	w.	Allen Smith.
Mannington	Marion	974	20	64.2	− 0.4	83	1†	35	16	36	3.19	+0.02	1.04	0	11	14	7	9	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	30	67.2	0	89	26	36	16	34	2.75	−0.31	0.97	0	6	8	12	10	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	20	67.8^{a}	+ 0.8	92^{a}	26	36	15†	45^{a}	3.60	+1.09	0.90	0	9	17	12	1	sw.	G. W. Wright.
New Cumberland	Hancock	987	25	66.2^{a}	+ 1.3	88^{a}	25	37	15	35^{a}	3.52	+0.99	1.14	0	10	18	2	10	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	29	68.0	+ 1.6	92	1†	38	15†	37	3.30	+0.65	1.45	0	6	21	5	4	s.	Wm. Ankrom.
Parkersburg	Wood	638	36	64.8	+ 2.2	88	1	41	16	31	2.92	+0.20	1.18	0	11	13	9	8	se.	U. S. Weather Bureau.
Parsons ††^{b}	Tucker	1,656	23	64.4	+ 1.5	89	4	33	15	41	2.40	−0.72	......	0	4	17	7	4	......	J. W. Swisher.
Philippi	Barbour	1,149	26	67.0	+ 1.7	92	3	38	15	32	4.68	+1.54	2.05	0	6	15	9	6	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	20	63.2	+ 1.6	87	26	31	16	42	4.63	+0.70	1.07	0	6	20	4	6	w.	Dr. J. L. Cunningham.
Rowlesburg	Preston	1,375	36	......	......	......	......	......	......	....	3.78	+0.71	1.30	0	7	....	....	....	w.	J. F. Pierce.
Saint Marys	Pleasants	577	14	......	......	......	......	......	......	....	2.66	+0.16	0.96	0	8	....	....	....	sw.	Wm. Hughes.
Smithfield	Wetzel	835	17	65.9	+ 1.4	88	1†	37	16	37	3.16	−0.03	1.24	0	8	18	9	3	sw.	G. M. Whisler.
Terra Alta	Preston	2,612	22	58.8	− 3.5	82	1	29	16	38	4.05	+0.42	1.44	0	8	15	11	4	sw.	J. J. Shanahan.
Vandalia	Lewis	1,120	0	......	......	......	......	......	......	....	3.85	......	1.15	0	8	19	7	4	......	W. S. Linger.
Wellsburg	Brooke	1,225	22	65.8	+ 1.6	88	2	33	16	40	4.92	+2.12	1.76	0	9	14	10	6	......	George P. Pfister.
Weston	Lewis	1,026	27	67.1	+ 0.3	87	3†	38	16	37	4.15	+1.26	0.99	0	7	16	12	2	......	Weston State Hospital.
Wheeling	Ohio	645	36	68.0	+ 1.6	93	2	36	15	40	3.89	+1.39	0.93	0	8	11	15	4	w.	Miss M. B. Forsyth.
Averages and	extremes	......	....	65.8	+ 0.9	94	4	29	16	45	3.60	+0.58	2.11	0	8	16	9	5	w.	
Southern Division.																				
Bancroft	Putnam	574	19	65.0	− 3.3	90	2	42	14†	33	3.36	+0.57	1.53	0	9	13	10	7	se.	E. H. Morrow.
Beckley	Raleigh	2,440	23	61.8	− 1.7	84	1	35	16	43	1.00	−1.48	0.48	0	3	18	8	4	w.	E. E. Phipps.
Bluefield	Mercer	2,558	28	66.8	+ 1.1	85	3	42	30	37	2.61	−0.05	1.71	0	9	21	9	0	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	8	......	......	......	......	......	......	....	3.60	......	1.00	0	4	....	....	....	......	Miss Katie Jarvis.
Charleston	Kanawha	597	20	71.0	+ 0.9	89	4†	46	16	34	2.49	−0.58	1.46	0	6	18	2	10	w.	C. V. Lewis.
Clay	Clay	706	7	......	......	......	......	......	......	....	1.89	......	......	0	5	....	....	....	......	Mark King.
Dam 19 O. R.	Wood	557	7	......	......	......	......	......	......	....	3.51	......	0.98	0	7	....	....	....	......	Lockmaster.
Dam 20 O. R.	Wood	551	7	......	......	......	......	......	......	....	1.86	......	0.44	0	7	....	....	....	......	Lockmaster.
Dam 26 O. R.	Mason	505	7	......	......	......	......	......	......	....	2.05	......	0.65	0	6	....	....	....	......	U. S. Engineer Office.
Gary	McDowell	1,426	7	69.0	......	88	25	41	16	34	2.30	......	1.00	0	10	....	....	....	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	27	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	W. H. Gwinn.
Hinton	Summers	1,450	26	69.0	+ 1.4	89	3	44	16	34	2.02	−0.74	0.78	0	5	15	0	15	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	29	68.3	+ 0.1	85	6†	44	16	28	2.30	−0.25	0.88	0	10	13	6	11	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	4	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	J. O. Brown.
Kayford	Kanawha	1,335	7	......	......	......	......	......	......	....	3.43	......	0.93	0	10	....	....	....	......	Cabin Creek Con. Coal Co
Lewisburg	Greenbrier	2,200	23	65.0	+ 0.9	86	3	40	17	34	2.93	+0.10	1.12	0	7	10	13	7	s.	Geo. T. Argabate.
Logan	Logan	700	20	76.0	+ 6.4	95	5	46	16	37	2.36	−0.63	0.97	0	6	19	6	5	......	Geo. R. Travis.
Marlinton	Pocahontas	2,131	24	60.5	− 0.9	80	3	38	15†	30	2.92	−0.19	1.40	0	11	4	25	1	sw.	S. L. Brown.
Organ Cave	Greenbrier	......	1	......	......	......	......	......	......	....	5.36	......	1.78	0	6	....	....	....	......	D. C. Humphreys.
Point Pleasant	Mason	553	30	69.7	+ 0.5	91	1†	39	16	38	3.63	+1.30	1.30	0	7	17	10	3	sw.	W. D. Holmes.
Powellton ††	Fayette	933	27	69.1^{j}	+ 2.0	90^{j}	2	43^{j}	16	39^{k}	1.14	−1.84	0.70	0	4	16^{j}	0^{j}	4^{j}	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	7	......	......	......	......	......	......	....	2.80	......	1.20	0	4	....	....	....	......	Raleigh Coal & Coke Co.
Ravenswood (Dam 22)	Jackson	538	8	68.6	......	90	26	37	16	46	3.21	......	1.23	0	7	13	0	17	se.	Lockmaster.
Robertsburg	Putnam	574	23	69.4	+ 1.3	96	25	39	16	42	2.91	+0.60	0.90	0	7	16	0	14	......	M. Frazier.
Ryan	Roane	700	20	67.6	+ 1.3	91	26	39	17	40	3.72	+0.93	1.17	0	9	17	8	5	......	Wm. E. Ryan.
Sharples	Logan	......	3	......	......	......	......	......	......	....	3.23	......	1.05	0	5	....	....	....	......	C. E. Rippetoe.
Spencer	Roane	784	19	66.2	+ 0.3	86	26	38	16	36	4.31	+1.37	1.70	0	6	9	15	6	......	A. M. McKown.
Sutton	Braxton	839	17	66.3	− 3.8	88	21†	38	16	37	3.71	+0.55	0.84	0	8	22	0	8	......	C. B. Eakle.
Union ^{e}	Monroe	2,250	19	68.4	+ 3.3	91	4	39	14	40	2.65	+0.05	1.32	0	6	13	8	4	......	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	13	66.1^{a}	+ 1.9	87^{a}	2	38	14	36^{a}	4.79	+1.66	1.98	0	8	23	5	2	......	J. M. Ayres.
Williamson	Mingo	660	23	69.0	− 0.3	84	3†	47	16	26	1.59	−1.43	0.80	0	6	22	6	2	w.	J. F. Keyser.
Averages and	extremes	......	....	67.6	+ 0.6	96	25	35	16	46	2.95	+0.10	1.98	0	7	16	7	7		
State averages and	extremes	......	....	66.5	+ 0.8	96	25	29	16	46	3.31	+0.40	2.45	0	7	16	8	6	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries.

Daily Precipitation for September, 1923.

Stations.	Drainage basin.	Day of month.																														Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																		
Bayard	Potomac					.63	.05	.10	.70						T.	.07				.51	.59	2.38											5.03
Brandywine	do				.40	.20	.10	.40	.60							T.				.20		1.05	T.	.60									3.55
Burlington	do			.60		.32		.10	.35					T.							1.50												2.87
Harpers Ferry |||	do						1.05	17	.05		T.									.07		.78		.19	.08								2.39
Inwood	do				.12	2.45	.09	.09	.27											.07	.03	.65	.02	.08	.11								3.98
Martinsburg	do			.80	.03	1.13	.06	.12	.06												.70	.03	.17										3.10
Moorefield	do					.30		.26	1.15											.20		.80											2.71
Piedmont	do					.04	.12	.05	.43											.02	.78	.38											1.82
Romney	do				.30	.05	.25		.63													1.32	.02		.24		.01						2.82
Stony River Dam |||	do						.30		.50					.10						.37	.28	1.54	.20		.02								3.31
Upper Tract	do					1.20		.90	.40													1.80											4.30
Wardensville |||	do																																....
Northern Division.																																		
Bens Run	Ohio			.18		.04	.03	.25	.44										.04	.10	.43												1.51
Benson	Monongahela				.01	.34	.35		1.75											.53	1.37	.41											4.76
Brownsville	do				.03	.66	.01		1.05					.04						.89	1.09	1.14											4.91
Bruceton Mills |||	do			T.		.34	.18	.30	.50	T.			.08		T.	T.			T.	.43	.48	.09											2.40
Buckhannon	do					.20	T.	.20	.56										T.	.85	.80										T.		2.61
Cairo	Little Kanawha					1.03	1.00	.24	.50					.04	T.					.60	.82												4.23
Cheat Bridge |||	Monongahela			.20	.42	.27	.01	1.23	.03		T.										.28	.01	1.82	.04							.05		4.36
Clarksburg	do			.01		.37	.04	.01	1.04					.08						.47	.86	.36			.01								3.25
Cortland |||	do				.17	.95		.83	.04									.56	.34		2.00												4.89
Creston |||	Little Kanawha				T.		.73	.10	.46						T.					.30	.16	.71											2.46
Dam 10, Mon. R. |||	Monongahela						1.16	.01	.58					.09						.36	.08	.33											2.61
Dam 12, O. R. |||	Ohio				.92	1.40	.74	.02	.37		.01									.35	.22	.26											4.29
Dam 13, O. R |||	do				1.15	.46	.30	.03	.35										.53	.60	.12												3.54
Dam 15, Mon. R. |||	Monongahela						.84	.02	.68					.06						.72	.07	.47											2.86
Davis |||	do				.02	.01	.46	.05	.45	.05				.15			.01			.56	.45	.74	.12										3.07
Elizabeth |||	Little Kanawha						.66	.20	.75											.34	.70		.71		.05								3.41
Elkins ***	Monongahela				.49	.11	.03	.17	.33	T.			.06			T.			T.	.55	.49	.10		T.									2.33
Fairmont |||	do				T.	.08	1.20	T.	.75					.10	T.					.51	.08	.50			.02								3.24
Glenville |||	Little Kanawha						.82	.32	.82											.41	.10	2.01											4.48
Grafton |||	Monongahela																																....
Janelew(near)	do	.08				.50		.05	.80											.35	1.16	.75											3.69
Lost Creek	do					1.32	.24	.20	.52				T.						T.	.60	1.83	.24											4.95
Mannington	do				.01	.62	.42	.16	.66				.01	.04					.03	.64	.48	.12											3.19
Morgantown	do					.45	.97		.58										.10	.40	.25	T.											2.75
Moundsville |||	Ohio				.85	.70	.20	.05	.25					.20						.90	.30	.15											3.60
New Cumberland |||	do				.59	.11	1.03	.10	.25											.11	.64	.63	.02							.04			3.52
New Martinsville	do			.30		1.45		.30					.05							.60	.60												3.30
Parkersburg ***	Ohio			.09	.13	.01	.18	.50	.10				T.						.02	1.16	.70			.02					T.	.01			2.92
Parsons	Monongahela					*							*			*				*													2.40
Philippi	do				.30	.14	T.	.56												1.02	2.05	.61											4.68
Pickens	do				1.07			.78	1.00											.86	.45	.47											4.63
Rowlesburg |||	do						.83	.10	.43					.12						.90	.10	1.30											3.78
Saint Marys |||	Ohio				.15	.02	.20	.10	.96											.37	.53	.33	T.										2.66
Smithfield |||	Fishing Creek				.02	.24	1.00		.85					.05						.39	.20	.41											3.16
Terra Alta	Monongahela			T.		.48	.54	T.	.62			T.		.02	T.	.08	T.		T.	.87	1.20	.24											4.05
Vandalia	do					1.15	.05	.30	.53							.05				.84	*	.93											3.85
Wellsburg	Ohio			1.13	T.	1.76	.18	.34	.11	.06			.03						T.	.36	.96												4.93
Weston	Monongahela				.02	.75		.18	.99											.55	.78	.88											4.15
Wheeling |||	Ohio				.93	.75	.66	T.	.43	.01				T.						.27	.37	.47								T.			3.89
Southern Division.																																		
Bancroft |||	Great Kanawha				.12	.03		.31	.85					.02						.30	.18	1.53		.02									3.36
Beckley	do			.48	.16																.36												1.00
Bluefield	do			.02	.10		.11		.47		.04			.05						.06		1.71	.05										2.61
Camden-on-Gauley |||	do						.80	1.00												.80	1.00												3.60
Charleston |||	do				T.	T.	T.	.10	.40											.08	.35	1.46	.10										2.49
Clay |||	do							.02	.62												*	1.23						.02					1.89
Dam 19 O. R. |||	Ohio					.22	T	.17	.35	.73											.98	.54	.52										3.51
Dam 20 O. R. |||	do				.12		.05	.08	.40											.37	.44	.40											1.86
Dam 26 O. R. |||	do				.15			.10	.35											.50	.30	.65											2.05
Gary |||	Big Sandy				.03	.10		.05	1.00	.10										.02	.16	.62		.10	.12								2.30
Green Sulpr. Spgs	do																																....
Hinton |||	do				.78	.08		T.	.54											T.	.10	.52											2.02
Huntington |||	Ohio				.76	.12	.02	.04	.10											.18	.02	.70		.14						.22			2.30
Kanawha Falls |||	Great Kanawha																																....
Kayford |||	do				.06	.04		.92	.93	.03				.05						.07	.62	.68		.03									3.43
Lewisburg	do				1.12	.02	.33	.18	.63					T.		.02						.63											2.93
Logan	Guyandotte				.02	.28			.49										.05	.92	.60												2.36
Marlinton	Great Kanawha				.04	.12	.26	.32	.28				.16			.06				.08	.42	.98		T.	T.		.20						2.92
rgan Cave	do			.46	1.16		1.78		.81													1.06					.09						5.36
Point Pleasant	Ohio				.07	T.	.40	.12	1.30											.12	.82	.80											3.63
Powellton	Great Kanawha							.12						.02						.30		.70								T.			1.14
aleigh |||	do				1.20			.70													.50	.40											2.80
avenswood(Dam 22	Ohio						.60	.10	.38											.14	.66	1.23			.10								3.21
Robertsburg |||	Great Kanawha				.61	.03		.21	.90											.47	.17	.52											2.91
ran	do				.08	.24	.33	.51	.24				T.	T.					.07	.22	.86	1.17											3.72
harples |||	Coal River				.55		.48		.55											.60		1.05											3.23
pencer |||	Little Kanawha				.31		1.10		1.70											.13	.06	1.01											4.31
utton	Great Kanawha					.53	.42	.17	.84											.25	.67			.63			.20						3.71
nion	do				.58	.20	.31		.15											.09		1.32											2.65
hite Sulpr. Spgs. |||	do			.68	.08	.17	1.98	.82								.10			.09			.87											4.79
illiamson |||	Big Sandy				.02	.80		.04	.38					T.							.25	.10											1.59

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for September, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division.																																	
Bayard	Maximum	84	83	84	83	78	80	81	83	71	73	75	76	79	68	60	64	72	74	73	72	76	75	81	79	80	82	82	82	78	72	....	76.7
	Minimum	47	45	44	60	60	59	59	60	43	39	43	41	47	37	31	32	32	36	54	53	59	48	52	50	47	48	44	42	47	42	....	46.7
Brandywine	Maximum	87	90	89	89	88	87	86	89	85	75	78	85	76	65	67	68	75	80	82	85	80	82	82	84	85	86	84	82	80	72	....	81.4
	Minimum	49	48	50	49	52	51	54	58	47	50	55	54	50	39	40	33	35	42	47	52	60	58	55	56	58	55	54	50	47	42	....	49.7
Burlington	Maximum	84	86	85	83	78	75	82	75	79	80	84	86	82	70	63	74	79	83	81	82	89	90	90	91	91	84	87	89	88	79	....	82.3
	Minimum	55	50	....	64	68	67	65	65	49	48	49	55	54	42	38	38	36	42	65	60	56	61	60	57	61	60	52	52	51	48	....	54.1
Inwood	Maximum	85	83	86	84	82	72	79	78	81	74	74	82	78	70	61	65	71	73	80	79	81	74	81	84	83	84	82	80	80	78	....	78.1
	Minimum	57	54	54	66	67	64	65	65	52	51	49	53	58	48	45	38	40	41	63	62	65	58	65	63	58	56	58	52	53	50	....	55.7
Martinsburg§	Maximum	88	86	89	89	75	71	80	82	82	80	78	85	80	70	71	73	75	74	86	81	84	74	80	87	87	83	79	84	85	76	....	80.5
	Minimum	55	56	62	70	64	65	67	53	42	41	54	60	50	47	41	38	33	48	66	67	60	64	55	60	66	60	55	55	50	45	....	55.0
Moorfield	Maximum	90	87	94	90	85	84	89	81	85	79	86	88	83	74	68	71	77	81	84	82	85	81	87	88	89	90	85	88	85	81	....	83.9
	Minimum	54	48	50	62	64	61	61	62	46	47	49	51	51	41	38	34	36	40	60	57	62	55	56	58	55	56	55	42	48	43	....	51.4
Piedmont	Maximum	87	86	88	87	81	74	83	76	79	75	77	81	73	62	50	67	72	79	82	74	82	79	84	83	84	82	82	84	83	72	....	78.3
	Minimum	54	54	52	64	68	66	65	65	50	48	47	50	54	43	37	41	38	42	63	67	63	55	63	59	53	60	60	52	54	47	....	54.5
Romney	Maximum	87	84	89	88	83	80	86	80	81	74	83	80	77	67	65	69	76	78	82	79	85	80	85	84	86	82	84	86	83	....	....	80.8
	Minimum	55	51	51	64	67	66	63	64	48	41	48	53	54	42	38	36	34	40	58	60	63	55	61	59	56	59	57	51	52	46	....	53.1
Upper Tract	Maximum	85	85	86	88	88	88	80	80	76	77	78	....	....	68	66	66	70	73	78	79	79	79	79	80	80	80	79	79	76	70	....	78.3
	Minimum	47	47	46	46	47	48	59	62	47	48	48	....	....	38	34	34	35	38	43	44	60	61	58	56	55	56	49	47	44	42	....	47.8
Northern Division.																																	
Bens Run	Maximum	89	87	78	89	86	87	83	78	77	75	78	73	73	69	65	72	80	78	80	75	78	82	84	85	88	90	87	86	87	74	....	80.4
	Minimum	59	53	63	68	65	67	69	65	55	50	49	52	51	42	42	40	46	52	66	66	65	59	66	60	59	59	60	61	62	69	....	58.
Buckhannon	Maximum	82	84	82	84	78	82	80	72	72	78	79	72	70	60	58	65	73	75	73	76	70	77	78	80	80	83	80	77	75	68	....	75.4
	Minimum	55	54	55	65	67	62	63	58	54	48	49	50	49	45	40	36	37	48	63	60	60	54	54	56	53	53	55	48	56	53	....	53.
Cairo	Maximum	88	87	84	88	85	85	83	80	79	78	77	76	75	64	65	63	78	79	80	78	78	76	83	84	86	87	85	83	82	74	....	79.7
	Minimum	55	58	63	66	64	66	66	64	55	46	44	45	46	40	39	36	38	49	65	63	61	59	57	58	54	53	54	54	59	49	....	54.
Clarksburg	Maximum	89	90	90	86	85	87	85	80	80	72	78	78	72	70	62	70	79	79	78	77	79	81	84	85	81	87	87	85	83	78	....	80.
	Minimum	57	56	56	66	66	62	64	66	52	47	47	48	51	42	41	40	40	47	66	63	62	57	56	60	55	54	57	51	57	52	....	54.
Creston	Maximum	90	88	85	89	84	84	82	78	79	76	79	78	74	63	66	74	81	82	80	78	79	80	85	87	88	87	87	86	80	72	....	80.7
	Minimum	57	57	60	67	64	63	66	65	52	48	47	50	50	42	41	38	41	52	65	64	62	60	57	58	56	55	57	54	60	53	....	55.
Elkins	Maximum	81	84	84	83	79	81	79	71	74	72	75	75	67	60	56	68	75	74	71	76	75	75	80	81	82	86	81	80	74	65	....	75.5
	Minimum	54	51	52	62	64	62	65	55	49	48	50	49	52	39	35	35	38	44	59	59	56	54	53	56	54	51	54	48	51	48	....	51.
Fairmont§	Maximum	85	85	84	85	84	85	84	75	75	74	77	75	73	65	67	67	75	77	75	73	77	78	82	83	82	84	84	87	84	76	....	78.
	Minimum	58	58	58	65	65	62	62	64	55	49	47	47	52	43	42	39	41	41	49	65	63	59	57	58	59	54	59	55	56	51	....	54.
Glenville	Maximum	88	92	92	94	93	84	87	88	81	85	85	82	80	80	71	81	79	91	80	81	74	82	84	83	87	86	86	88	86	78	....	84.
	Minimum	58	57	56	66	67	67	64	65	52	....	....	....	....	....	....	....	41	58	....	68	69	....	....	....	....	....	....	57	63	59	....	60.
Lost Creek	Maximum	85	85	84	85	78	83	82	74	75	70	75	75	71	64	61	68	75	77	76	75	79	79	82	82	85	84	83	81	79	72	....	77.
	Minimum	53	55	53	64	63	59	62	63	60	42	43	45	46	38	37	34	34	41	64	60	60	54	51	56	51	50	53	48	53	50	....	51.
Mannington	Maximum	83	83	80	82	78	81	81	73	72	68	73	74	69	61	60	65	72	76	76	74	77	75	79	79	80	82	81	79	78	70	....	75.
	Minimum	56	57	55	65	65	62	63	65	50	45	43	46	48	40	38	35	36	44	64	63	62	58	55	58	54	51	55	53	58	47	....	53.
Morgantown	Maximum	87	86	83	87	79	86	84	75	75	69	75	75	71	62	59	69	77	77	77	74	80	78	82	84	88	89	85	84	79	69	....	78.
	Minimum	58	63	61	63	74	62	68	63	55	46	44	51	52	43	40	36	46	52	61	65	63	58	61	57	54	59	63	57	61	48	....	56.
New Cumberland§	Maximum	87	87	79	85	87	84	84	78	74	71	78	72	64	57	63	71	75	78	74	73	79	78	83	86	88	77	86	84	80	....	....	78.
	Minimum	60	61	58	64	66	66	68	66	58	46	46	51	46	38	37	39	41	43	52	60	63	51	57	58	59	56	56	60	62	45	....	54.
New Martinsville	Maximum	92	92	80	90	87	89	86	79	76	75	80	73	75	64	67	74	82	80	82	79	78	81	86	87	90	91	91	88	84	75	....	81.
	Minimum	58	57	58	65	65	62	66	63	56	48	46	48	48	40	38	38	48	47	52	62	63	55	55	58	56	51	57	56	61	47	....	54.
Parkersburg	Maximum	88	86	78	85	84	84	82	79	77	71	76	73	71	60	61	69	77	78	81	77	76	77	82	84	88	88	85	84	80	70	....	78.
	Minimum	62	65	67	68	68	64	68	59	58	52	50	53	49	44	44	41	46	58	66	67	62	60	61	60	57	60	63	63	61	53	....	58.
Parsons	Maximum	87	85	87	89	78	....	87	85	80	75	78	79	73	68	68	69	74	79	72	80	78	80	83	83	82	85	85	82	78	....	....	79.
	Minimum	47	49	51	49	63	....	57	55	49	46	43	49	51	43	33	34	34	38	60	59	58	52	54	56	52	51	51	49	46	....	....	49.
Philippi	Maximum	86	86	92	86	79	84	82	74	74	71	76	75	71	65	58	69	78	77	76	78	78	79	83	83	86	83	84	88	77	73	....	78.
	Minimum	58	60	61	66	67	62	65	62	54	46	47	52	52	43	38	40	47	54	64	62	63	54	56	57	57	60	57	56	54	51	....	55.
Pickens	Maximum	80	82	86	82	80	81	79	72	75	75	76	78	71	63	56	72	77	75	66	77	72	77	82	83	84	87	82	83	75	69	....	76.
	Minimum	52	46	52	60	60	58	59	52	45	43	48	48	45	51	32	31	35	45	58	55	58	56	51	52	53	51	52	53	50	46	....	49.
Terra Alta	Maximum	82	74	77	78	74	76	76	71	66	66	61	71	64	56	53	59	68	69	68	66	70	70	75	77	79	80	76	77	73	66	....	70.
	Minimum	47	48	45	59	59	57	59	60	48	37	40	40	47	35	30	29	30	37	60	57	57	48	51	51	45	49	52	42	50	40	....	47.
Wellsburg	Maximum	87	88	78	83	83	86	85	78	77	71	75	69	68	65	62	68	76	74	77	73	76	78	82	82	86	86	85	82	80	74	....	77.
	Minimum	56	60	56	64	64	64	66	65	51	46	44	55	44	38	37	33	36	45	64	60	60	54	56	61	55	53	60	59	62	43	....	53.
Weston	Maximum	86	86	87	87	81	82	84	76	76	75	78	77	75	68	58	72	76	77	77	76	81	80	84	86	83	85	86	84	80	75	....	79.
	Minimum	56	56	57	66	67	67	67	65	53	48	48	50	52	45	42	38	39	50	65	63	62	58	56	58	55	53	52	51	57	51	....	54
Wheeling§	Maximum	92	93	76	88	90	90	80	83	78	75	78	72	76	64	65	74	80	76	84	75	82	81	89	88	88	92	91	90	86	78	....	81
	Minimum	60	60	59	63	63	64	68	63	53	48	46	48	44	39	36	39	40	43	53	63	64	54	56	63	55	56	57	60	60	45	....	54
Southern Division.																																	
Bluefield	Maximum	83	84	85	80	82	82	82	82	80	78	79	80	80	70	68	69	76	81	79	81	81	82	81	83	83	82	80	82	79	79	....	79
	Minimum	52	55	53	52	64	61	60	61	52	49	49	50	58	43	43	44	50	51	62	60	61	57	54	56	55	58	58	52	52	42	....	53
Charleston	Maximum	87	88	85	89	87	83	82	84	81	80	80	81	77	68	67	80	82	81	80	80	81	82	82	85	84	89	88	84	85	87	....	82
	Minimum	67	65	65	69	70	68	63	60	58	55	56	55	55	50	47	46	48	50	60	60	61	61	60	61	62	65	65	62	62	65	....	59
Gary §	Maximum	87	85	87	87	86	87	85	82	79	79	80	80	74	67	65	73	72	83	79	85	80	84	84	87	88	87	83	83	81	73	....	81
	Minimum	58	55	56	65	66	64	65	65	52	56	58	58	59	48	45	41	46	49	55	63	65	63	59	58	57	60	59	52	53	57	....	56
Hinton §	Maximum	84	86	89	82	87	86	88	79	80	77	84	82	76	67	54	72	75	81	76	78	80	83	86	87	88	88	86	86	80	77	....	80
	Minimum	59	56	57	58	66	65	66	65	55	54	59	59	60	47	49	44	47	47	52	64	65	60	60	60	60	60	60	54	53	55	....	57
Huntington §	Maximum	84	84	82	82	81	85	80	76	77	72	75	75	72	62	64	69	75	76	77	76	73	77	80	81	82	85	82	79	79	70	....	77
	Minimum	61	62	67	70	69	68	69	67	58	54	52	55	55	46	47	44	47	50	62	67	65	61	62	62	62	62	62	60	62	58	....	59
Lewisburg	Maximum	83	81	86	82	83	83	82	76	77	76	78	79	71	65	54	68	70	76	72	80	78	74	82	79	83	79	77	77	77	70	....	76
	Minimum	52	49	52	63	65	60	62	63	48	52	55	54	57	41	43	43	40	45	63	69	63	51	55	56	55	59	55	46	47	47	....	53
Logan	Maximum	91	92	93	91	95	94	90	85	87	82	87	86	82	84	92	83	85	93	80	92	94	92	93	92	94	92	93	93	92	94	....	89
	Minimum	63	62	63	62	70	70	69	69	59	60	62	62	58	58	60	46	50	58	67	70	67	68	60	62	65	62	63	58	63	64	....	62
Marlinton	Maximum	74	74	80	76	76	74	74	70	68	70	72	72	64	60	48	60	64	70	70	74	72	68	70	74	72	74	70	70	72	62	....	69
	Minimum	54	48	50	60	64	58	54	52	48	50	52	54	48	40	38	40	38	44	56	58	58	60	56	54	56	52	52	46	50	46	....	51
Point Pleasant	Maximum	91	90	88	91	86	87	83	78	80	78	81	75	75	67	66	74	83	80	83	76	75	84	87	91	90	89	85	79	83	74	....	8
	Minimum	59	61	66	69	72	66	67	65	55	49	49	54	51	43	47	39	45	53	66	67	65	69	58	59	59	58	59	58	61	54	....	5
Powellton	Maximum	....	90	88	....	....	....	87	....	....	84	82	80	77	70	62	....	83	85	83	85	81	85	....	87	88	87	86	85	....	....	....	8
	Minimum	....	56	49	....	....	....	65	....	....	51	56	54	54	47	45	43	....	54	64	63	65	55	....	61	56	58	60	53	....	....	....	5
Ravenswood	Maximum	89	87	84	89	88	85	82	78	77	75	78	76	74	69	63	71	88	79	81	78	76	79	83	87	88	90	85	85	81	78	....	8
	Minimum	58	62	63	66	67	63	63	67	53	47	47	52	48	43	44	37	42	58	66	67	65	58	57	59	55	57	58	56	61	53	....	5
Robertsburg§	Maximum	90	90	86	90	88	88	82	79	79	78	82	78	75	65	65	78	85	80	84	78	80	85	85	89	96	95	91	90	84	76	....	8
	Minimum	57	58	60	65	68	65	68	66	53	49	49	52	48	43	43	39	43	55	55	60	64	60	58	58	56	58	53	56	56	54	....	5
Ryan	Maximum	88	87	83	88	87	86	84	79	82	78	80	77	77	67	65	74	79	82	76	80	80	82	85	87	89	91	88	87	82	76	....	8
	Minimum	53	53	58	67	60	61	63	59	61	49	45	49	46	41	41	45	39	51	63	61	61	51	54	56	62	55	55	50	55	51	....	5
Spencer §	Maximum	85	84	81	83	82	80	80	75	75	72	74	76	72	61	61	62	77	78	74	76	78	77	81	84	85	86	83	82	78	69	....	7
	Minimum	56	58	63	68	69	64	65	65	55	48	48	49	50	44	43	38	41	50	69	65	64	59	58	57	56	55	57	54	52	50	....	5
Union	Maximum	83	....	90	91	87	88	86	83	....	84	82	82	83	76	73	....	71	80	79	83	85	80	....	87	85	84	86	86	82	....	....	8
	Minimum	53	....	50	64	63	60	62	63	....	45	53	53	58	39	44	....	41	45	61	57	62	57	....	55	56	55	51	48	47	....	....	5
White Sulphur Spgs§	Maximum	80	87	85	83	85	83	75	78	78	78	81	74	69	54	65	70	79	75	81	81	79	74	83	82	84	79	75	79	80	....	....	7
	Minimum	49	51	65	66	62	63	63	49	51	55	56	58	41	38	39	41	46	50	61	64	65	57	57	59	59	57	56	55	47	49	....	5
Williamson§	Maximum	81	83	84	81	82	84	81	75	78	76	78	76	71	64	65	71	75	77	77	81	79	82	81	80	83	81	81	80	76	70	....	7
	Minimum	62	63	63	63	68	65	67	67	58	60	60	60	58	50	48	47	49	52	58	67	66	62	62	65	64	63	61	58	59	60	....	6

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXXI. PARKERSBURG, W. VA., OCTOBER, 1923. No. 10.

GENERAL SUMMARY.

October was exceptionally dry, sunshiny, and cool. The rainfall was deficient in all localities and was the lightest of October State record, except in 1892, 1895, 1897, 1901, 1912, and 1920. Rain fell at only two stations during the first fourteen days and the conditions were decidedly droughty until the 23d. The smaller streams were practically dry in many sections of the State, where water was scarce for domestic use. At Parkersburg the sunshine averaged 72 per cent of the possible amount, the highest average for any October of State record since 1897, except in 1901, when the October average was also 72 per cent. It was also the coolest October of State record since 1909, except in 1917. Freezing temperatures were general during the first decade, except in the extreme western counties, causing considerable damage to corn and garden truck. Killing frosts occurred in all sections near the beginning of the last decade. The droughty conditions were unfavorable for seeding and germination, but the dry weather was especially favorable for outdoor work.

TEMPERATURE.

The monthly mean for the State, determined from 54 stations, was 52.1°. The departure from the normal for 42 stations having ten or more years of record was —2.8°. The temperature was considerably below the normal from the 1st to the 12th and the 20th to the 27th, giving freezing temperature in most sections near the close of the first decade and freezing temperatures and killing frosts in all sections during the first of the last decade. The lowest temperatures were general on the 21st, 22d, and 23d, but in a few localities the lowest readings were recorded on the 6th, 9th, and 31st. From the 12th to the 19th the temperature averaged about 10° above the normal, with the highest readings on the 13th and 14th. Cool weather set in at the close of the month.

PRECIPITATION.

The average precipitation for the State, determined from 75 stations, was 1.39 inches. The departure from the normal for 45 stations having ten or more years of record was —1.56 inches. Light showers occurred in the western and northern counties on the 15th and light to moderate rain was general on the 18-19th, 23d-24th, 28th, and 29-30th. Snow flurries or light snow fell in many of the mountain districts on the 23d and 24th.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bayard, 2d, 15th, 16th, and 17th: Elkins, 2d, 3d, 5th, 6th, 8th, 9th, 10th, 12th, 13th, 16th, 21st, 22d, and 27th; Fairmont, 2d, 3d, 5th, and 10th; Hinton, 1st, 2d, 4th, 6th, 8th, and from the 10th to the 16th; Marlinton, 1st to the 13th, 15th, 16th, 18th, and from the 20th to the 27th; New Cumberland, 6th and 7th, and from the 9th to the 13th; Parkersburg, 5th, 10th, and 26th; Smithfield, 2d; Terra Alta, 25th; Wellsburg, 9th, 10th, and 16th; Wheeling, 1st, 2d, 6th, and from the 8th to the 14th, and the 21st and 22d.

Halos, lunar: Elkins, Parkersburg, and Pickens, 16th.

Haze, light: Bayard, 1st, 8th, 9th, 11th, and 29th; Terra Alta, 1st, 2d, and 9th.

Sleet: Bancroft, Bayard, Benson, Brandywine, Brownsville, Cairo, Cheat Bridge, Elkins, Marlinton, Moorefield, Parkersburg, Valley Chapel, and Smithfield, 23d; Pickens, 24th. *Thunderstorms:* Cheat Bridge ahd Roanoke, 30th.

Smoke, light: Bayard, 12th and 13th; Lost Creek, 9th, 10th, 12th, and 27th; Pickens, 4th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA.

Stations.	Mean barometric pressure. (sea level)	Mean relative humidity. 8 a.m.	Mean relative humidity. local noon.	Mean relative humidity. 8 p.m.	Sunshine. Total hours.	Sunshine. Percentage of possible.	Wind. Total movement miles.	Wind. Average hourly velocity.	Wind. Max. velocity. Miles per hour.	Wind. Max. velocity. Direction.	Wind. Max. velocity. Date.
Cincinnati, Ohio	30.16	82	47	65	222.5	64	4,811	6.5	26	ne.	23
Columbus, Ohio	30.16	82	60	64	232.3	67	7,187	9.7	35	nw.	24
Elkins	30.20	90	50	77	208.8	60	3,061	4.1	33	w.	30
Lexington, Ky	30.15	72	51	....	200.0	58	8,999	12.1	31	nw.	24
Parkersburg	30.17	80	50	66	249.8	72	3,168	4.3	24	nw.	30
Pittsburgh, Pa	30.17	81	57	62	214.1	62	6,880	9.2	38	nw.	30
Wytheville, Va	30.14	86	53	68	228.5	66	3,537	4.8	21	w.	25

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature. Mean.	Temperature. Highest.	Temperature. Lowest.	Precipitation. Average.	Precipitation. Greatest.	Precipitation. Least.	Precipitation. Snowfall (in inches).	Number of days. Clear.	Number of days. Partly Cloudy.	Number of days. Cloudy.
1891	51.5	95	21	1.97	2.91	T.	......	......	......	......
1892	52.6	89	24	0.83	1.45	0.21	......	......	......	......
1893	54.1	86	16	4.74	7.22	1.00	......			
1894	54.4	88	22	2.32	3.85	1.17		21	6	4
1895	48.1	89	8	1.29	2.25	0.16	T.	16	8	7
1896	51.0	82	20	2.08	4.37	0.45	T.	22	5	4
1897	58.2	95	22	0.53	2.27	0.07	T.	14	9	8
1898	55.6	95	19	4.84	8.50	2.48	0	18	7	6
1899	56.8	91	19	1.42	3.81	0.23	T.	11	10	10
1900	60.9	97	24	2.33	4.80	1.15	0	15	7	9
1901	54.3	86	19	0.54	1.95	0.12	0	16	8	7
1902	56.5	87	17	2.63	5.50	0.90	0	19	6	6
1903	54.2	96	15	2.55	4.75	0.80	T.	16	8	7
1904	54.5	92	16	1.59	3.02	0.37	T.	17	7	7
1905	54.2	95	19	4.71	8.26	2.46	T.	18	8	5
1906	54.5	86	12	3.09	8.15	1.64	T.	13	8	10
1907	50.3	87	19	2.65	5.12	0.54	1.3	11	6	14
1908	55.1	91	16	1.60	6.88	0.33	0.1	15	9	7
1909	50.0	88	14	2.79	5.27	0.60	T.	18	7	6
1910	58.1	95	15	1.85	2.96	0.80	0.1	16	7	8
1911	56.3	88	23	5.28	9.65	3.27	0.7	18	7	6
1912	55.5	93	20	1.34	3.10	0.20	0	12	7	12
1913	54.5	92	12	4.50	8.11	1.78	T.	18	7	6
1914	57.3	91	14	2.94	6.72	1.37	0.3	12	6	13
1915	56.6	89	20	4.11	5.55	0.74	T.	12	8	11
1916	54.1	97	16	2.38	4.35	0.91	T.	17	7	7
1917	49.2	89	16	4.35	6.49	1.18	T.	19	5	7
1918	58.2	89	24	3.68	7.53	1.59	5.5	15	6	10
1919	62.3	102	28	5.84	11.88	2.13	T.	15	7	9
1920	57.5	90	21	1.15	2.53	0.10	0	9	7	15
1921	53.7	88	21	2.48	5.76	0.30	0.1	22	4	5
1922	55.4	93	18	2.45	4.81	0.39	0.1	18	5	8
1923	52.1	93	12	1.39	2.41	0.65	T.	19	5	7
Means and extremes	54.8	102	8	2.67	11.88	T.	0.3	16	7	8

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., October, 1923.

See temperature and precipitation data in Climatological Tables, Pages 38, 39, and 40.

Station.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
arksburg	Evaporation	.103	.057	.080	.080	.100	.050	.080	.070	.065	.055	.075	.060	.095	.094	.062	.100
	Wind movement	41	33	89	7	38	33	34	31	28	25	22	2	24	32	18	28

Station.		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
arksburg	Evaporation	.140	.125	.098	.092	.070	.105	.010	.030	.040	.055	.040	.030	.025	.037	.098	2.221
	Wind movement	55	37	40	68	21	92	83	66	116	35	16	20	19	61	124	1,338

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for October, 1923.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	22	47.1	-1.7	81	13	19	22	52	0.95	-2.47	0.29	T.	8	21	4	6	w.	U. G. Clark.
Brandywine	Pendleton	......	7	50.3	......	85	13	23	21	53	0.85	......	......	0	3	27	1	3	n.	Elmer Keister.
Burlington	Mineral	875	29	54.7	+0.8	93	13	27	8	51	1.50	-0.77	0.80	0	2	21	6	4	e.	Mrs. Louie Bumphrey.
Harpers Ferry	Jefferson	244	34	......	......	......	......	......	......	......	2.04	-0.80	1.17	0	3	......	......	......	......	J. C. Newcomer.
Inwood	Berkeley	569	1	53.1	......	81	14†	28	8	41	1.10	......	0.65	0	6	24	4	3	nw.	H. W. Prettyman.
Martinsburg ††	Berkeley	435	31	52.4	-2.2	83	14	31	23†	38	1.35	-1.37	0.97	0	6	21	6	4	w.	Dr. H. S. Gardner.
Moorefield	Hardy	900	27	53.2	-2.4	90	13	23	21	60	0.98	-1.25	0.55	T.	3	27	1	3	......	M. S. Henkel.
Piedmont	Mineral	919	10	51.6	......	82	13	28	21	44	0.65	......	0.42	0	6	17	7	7	nw.	C. A. Suter, Jr.
Romney ††	Hampshire	824	25	53.5^{c}	-1.7	87^{c}	13	25^{b}	21†	53^{e}	1.20	-1.30	0.80	T.	5	21	4	6	......	Geo. E. Arnold.
Stony River Dam	Grant	......	3	......	......	......	......	......	......	......	0.68	......	0.35	0	5	9	6	15	w.	A. C. Becker.
Upper Tract ^{a}	Pendleton	1,230	24	49.1	-6.4	74	12†	25	22	43	1.05	-1.15	0.50	0	3	......	......	......	......	J. M. Mallow.
Wardensville	Hardy	1,200	5	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Luther F. Sutton.
Averages and	extremes	......	....	51.3	-2.4	93	13	19	22	60	1.09	-1.29	1.17	T.	4	21	4	6	nw.	
Northern Division.																				
Bens Run	Pleasants	622	21	55.1	-1.6	86	13	33	22	42	1.19	-1.92	0.80	0	7	22	3	6	......	J. D. Riggs.
Benson	Harrison	1,080	0	50.6	......	83	13†	25	9†	49	1.64	......	0.55	0	8	13	10	8	......	R. D Marts.
Brownsville	Lewis	1,032	0	52.4^{e}	......	86	13	25^{e}	9†	52^{e}	1.45	......	0.70	0	6	23	2	6	w.	S. L. Montgomery.
Bruceton Mills	Preston	1,549	3	......	......	......	......	......	......	......	1.87	......	0.50	0	11	11	11	9	nw.	W. M. Wolf.
Buckhannon	Upshur	1,411	26	50.4	-3.0	79	14†	28	6†	40	1.52	-1.94	0.70	0	4	22	2	7	......	H. A. Darnall.
Cairo	Ritchie	680	24	52.0	-4.8	84	13	26	9†	47	1.80	-1.28	0.80	0	7	17	4	10	......	O. C. Hess.
Cheat Bridge	Randolph	3,558	5	40.8^{b}	......	78^{b}	14	12^{a}	22	45^{e}	1.27	......	0.29	T.	7	18	2	11	......	H. F. Cromer.
Clarksburg	Harrison	1,015	1	52.8	......	84	13	28	21	47	1.18	......	0.28	0	10	18	6	7	nw.	Clarksburg Water Board.
Cortland	Tucker	3,300	12	......	......	......	......	......	......	......	0.75	......	0.40	0	3	15	15	1	......	G. W. Harmon.
Crawford	Lewis	1,087	0	......	......	......	......	......	......	......	2.41	......	0.80	T.	10	18	10	3	......	J. Cecil Owens.
Creston	Wirt	701	21	52.7	-3.1	87	13	27	23	48	2.02	-0.99	1.03	0	7	21	1	9	w.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	2	......	......	......	......	......	......	......	1.13	......	0.49	0	8	......	......	......	......	Lockmaster.
Dam 12 O. R.	Ohio	614	7	......	......	......	......	......	......	......	1.14	......	0.37	0	5	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	605	7	......	......	......	......	......	......	......	1.38	......	0.49	0	7	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	2	......	......	......	......	......	......	......	1.21	......	0.43	0	8	......	......	......	......	Lockmaster.
Davis	Tucker	3,093	14	......	......	......	......	......	......	......	1.15	-3.00	0.48	T.	6	20	4	7	w.	Ross C. Male.
Elizabeth	Wirt	646	11	......	......	......	......	......	......	......	1.44	......	0.76	0	7	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	22	49.4	-2.0	82	13	25	21	48	0.89	-1.53	0.36	0	6	13	9	9	nw.	U. S. Weather Bureau.
Fairmont	Marion	883	17	52.3	-3.2	89	18	31	21†	45	1.42	-1.32	0.50	0	7	22	1	8	w.	Creed E. Bolyard.
Glenville	Gilmer	738	29	52.6	-3.4	88	14	26	23	50	1.86	-1.19	0.88	0	6	21	3	7	w.	Howard R. Brannon.
Grafton	Taylor	1,000	30	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. A. Williams.
Horner	Lewis	1,044	0	......	......	......	......	......	......	......	1.19	......	0.42	0	4	25	0	6	......	Thomas E. Miles.
Janelew (near)	Lewis	1,020	0	51.9	......	85	12†	18	31	50	1.28	......	0.56	0	7	22	3	6	nw.	Dan Burkholder.
Lost Creek	Harrison	1,026	25	50.4	-4.4	84	13†	23	9†	50	1.20	-1.53	0.38	0	8	22	1	8	w.	Allen Smith.
Mannington	Marion	974	20	49.9	-4.6	81	13	25	21	46	1.35	-1.59	0.39	0	10	18	4	9	n.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	30	53.2^{a}	-2.3	86^{a}	13	29^{a}	9	38^{a}	1.29	-1.86	0.47	0	5	8^{d}	11^{d}	8^{d}	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	20	52.8^{a}	-3.2	86^{a}	13†	28	7†	49^{a}	1.82	-1.29	0.62	0	6	17	11	3	sw.	T. E. Blake.
New Cumberland	Hancock	987	25	51.0	-3.5	84	13	30	22†	43	0.99	-2.00	0.35	0	6	16	2	13	n.	Geo. W. Derouin.
New Martinsville	Wetzel	634	29	53.4	-3.7	88	13	28	21	50	1.65	-1.23	0.75	0	6	17	4	10	n.	Wm. Ankrom.
Parkersburg	Wood	638	36	54.4	-0.2	85	13	34	31	39	0.82	-1.62	0.36	0	8	18	7	6	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	23	51.3^{f}	-1.7	81^{f}	14	22^{f}	21	45^{f}	......	......	......	0	......	19^{e}	2^{e}	5^{e}	......	J. W. Swisher.
Philippi	Barbour	1,149	26	53.1	-1.4	91	14	29	6	40	1.07	-1.81	0.36	0	5	18	3	10	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	20	48.8^{a}	-3.6	83	13	25^{a}	6†	44^{a}	2.19	-1.88	0.74	1.0	5	21	3	7	w.	Dr. J. L. Cunningham.
Roanoke	Lewis	1,050	0	......	......	......	......	......	......	......	1.60	......	0.50	0	6	......	......	......	......	Miss Mary A. Conrad.
Rowlesburg	Preston	1,375	36	......	......	......	......	......	......	......	0.71	-2.32	0.40	0	3	......	......	......	......	J. F. Pierce.
Saint Marys	Pleasants	577	14	......	......	......	......	......	......	......	1.19	-2.21	0.65	0	6	......	......	......	nw.	Wm. Hughes.
Smithfield	Wetzel	835	17	52.5	-1.1	88	13	26	9†	54	1.63	-1.80	0.59	0	8	20	3	8	se.	G. M. Whisler.
Terra Alta	Preston	2,612	22	45.1	-6.8	78	13	20	6†	46	1.34	-2.28	0.28	T.	10	16	10	5	w.	J. J. Shanahan.
Valley Chapel	Lewis	1,011	0	54.1^{h}	......	89^{h}	14	29^{h}	21†	47^{h}	1.48	......	0.56	0	8	17^{d}	5^{d}	5^{d}	w.	J. C. Campbell.
Vandalia	Lewis	1,120	0	50.7^{a}	......	87^{a}	13	22^{a}	9†	54^{a}	1.69	......	0.52	0	9	24	0	7	......	W. S Linger.
Wellsburg	Brooke	1,225	22	50.2	-3.9	82	13	25	22	43	1.29	-1.66	0.56	0	6	20	4	7	w.	George P. Pfister.
Weston	Lewis	1,026	27	52.9	-2.6	88	14	29	21	47	1.19	-1.92	0.33	0	7	18	4	9	......	Weston State Hospital.
Wheeling	Ohio	645	36	52.9	-2.7	91	13	29	22	51	1.25	-1.36	0.42	T.	8	16	4	11	sw.	Miss M. B. Forsyth.
Averages and	extremes	......	....	51.4	-3.0	91	13†	12	22	54	1.39	-1.73	1.03	T.	7	19	5	7	w.	
Southern Division.																				
Bancroft	Putnam	574	19	51.4	-6.0	78	13	30	23	38	1.63	-1.55	0.95	T.	7	17	2	12	nw.	E. H. Morrow.
Beckley	Raleigh	2,440	23	48.8	-6.4	80	13	25	21	40	1.00	-1.77	0.74	1.0	3	23	5	3	sw.	E. E. Phipps.
Bluefield ††	Mercer	2,558	28	54.4	-1.6	84	13	27	21	44	1.17	-1.71	0.70	7.0	4	26	3	2	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	8	......	......	......	......	......	......	......	1.80	......	1.00	0	2	26	0	5	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	20	59.8	+0.5	85	2†	30	23	41	1.66	-1.19	1.20	0	5	18	2	11	......	C. V. Lewis.
Clay	Clay	706	7	......	......	......	......	......	......	......	1.92	......	1.03	0	6	......	......	......	......	Ted Thomas.
Dam 19 O. R.	Wood	557	7	......	......	......	......	......	......	......	1.18	......	0.37	0	8	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	7	......	......	......	......	......	......	......	1.38	......	0.44	0	9	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	7	......	......	......	......	......	......	......	1.33	......	0.70	0	7	......	......	......	......	U. S. Engineer Office.
Gary	McDowell	1,426	7	53.4^{c}	......	85^{c}	14	31^{c}	21	47^{f}	1.52	......	0.85	T.	6	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	27	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. H. Gwinn.
Hinton	Summers	1,450	26	55.4	-1.2	88	13	31	21	48	1.16	-1.40	0.78	T.	5	15	1	15	n.	J. B. Lavender, C. E.
Huntington	Cabell	538	29	54.0	-2.2	79	13	34	31	37	1.38	-1.10	1.00	0	6	20	2	9	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	4	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	7	......	......	......	......	......	......	......	2.59	......	1.48	0.5	6	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	23	50.4	-3.2	80	13	22	21	45	0.98	-1.87	0.60	T.	3	17	9	5	nw.	Geo. T. Argabate.
Logan	Logan	700	20	64.7	+5.0	93	1†	33	24	51	2.28	-0.47	1.25	T.	6	19	7	5	......	Geo. R. Travis.
Marlinton	Pocahontas	2,131	24	46.2	-4.1	74	13	20	21	44	1.53	-1.46	0.68	0	6	13	16	2	nw.	S. L. Brown.
Organ Cave	Greenbrier	......	1	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	D. C. Humphreys.
Point Pleasant	Mason	553	30	55.3	-2.3	89	15	29	24	44	1.31	-1.41	0.62	0	6	13	3	15	ne.	Miss Grace E. Henson.
Powellton	Fayette	933	27	55.4^{e}	-0.5	84^{d}	13	30^{e}	22	43^{e}	1.37	-1.02	0.86	T.	4	24^{d}	0^{d}	3^{d}	......	Elkhorn-Piney Coal Co.
Raleigh ††	Raleigh	2,130	7	......	......	......	......	......	......	......	1.32	......	1.00	1.2	4	......	......	......	......	Raleigh Coal & Coke Co.
Ravenswood (Dam 22)	Jackson	538	8	54.4	......	89	18	29	9†	44	1.38	......	0.65	0	7	19	0	12	ne.	Lockmaster.
Robertsburg	Putnam	574	23	54.2	-3.2	89	12†	28	23	51	1.00	-1.78	0.70	0	4	20	0	11	......	M. Frazier.
Ryan	Roane	700	20	51.6	-3.2	87	13	23	23	53	2.16	-1.29	0.86	0	7	22	3	6	......	Wm. E. Ryan.
Sharples	Logan	......	3	......	......	......	......	......	......	......	1.20	......	0.60	T.	3	......	......	......	......	E. H. Locke.
Spencer ††	Roane	784	19	51.4	-3.8	79	12†	27	21†	44	1.79	-1.42	1.04	0	6	16	8	7	......	A. M. McKown.
Sutton	Braxton	839	17	52.8	-5.7	85	13†	23	23	50	1.84	-1.25	0.52	0	5	25	1	5	......	C. B. Eakle.
Union ^{d}	Monroe	2,250	19	52.4	-1.7	84	14	24	21	50	0.66	-2.18	0.26	0.6	6	20	3	4	......	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	13	50.1	-2.9	82	13	19	31	53	1.23	-1.59	0.95	0	4	23	2	6	......	E. J. Comar.
Williamson	Mingo	660	23	53.8	-4.7	80	13	32	23†	39	1.91	-0.85	1.05	0	5	18	7	6	w.	J. F. Keyser.
Averages and	extremes	......	....	53.6	-2.6	93	1†	19	31	53	1.49	-1.40	1.48	0.1	5	20	4	7	nw.	
State averages and	extremes	......	....	52.1	-2.8	93	1†	12	22	60	1.39	-1.56	1.48	T.	6	19	5	7	nw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

Daily Precipitation for October, 1923.

Stations.	Drainage-basin.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Panhandle Division.																																	
Bayard	Potomac															.02	T			T.	.09			.29	.25	.04	.03			T	.11	.12	0.95
Brandywine	do																			.25				*	.60								0.85
Burlington	do																			.80				.70									1.50
Harpers Ferry ‖	do																				.35				1.17						.52		2.04
Inwood	do																			.28	.03			.05	.65	.01						.08	1.10
Martinsburg	do										T.				T.	.04			.28	.01				.97						.02	.03		1.35
Moorefield	do																		.26					.17	.55								0.98
Piedmont	do															.04								.15	.42	.01			T	.01	.02		0.65
Romney	do															.01				.20				.01	.80						.15		1.20
Stony River Dam ‖	do																			.15	.04				.35	.12	.02						0.68
Upper Tract	do																			.35				.20	.50								1.05
Wardensville‖	do																																
Northern Division.																																	
Bens Run	Ohio																			.08				.06	.80	.02			.03	.05	.15		1.19
Benson	Monongahela															.03				.21	.08			.22	.55	.10			T.	.15	.30		1.64
Brownsville	do																			.26	.04			.28	.42						.21	.24	1.45
Bruceton Mills ‖	do															.27				.13	.01			.41	.11	.06	.01		.07	.22	.50	.08	1.87
Buckhannon	do																			.32				.25	.25				T.		.70		1.52
Cairo	Little Kanawha															.02				.35				.20	.80				.05	.10	.28		1.80
Cheat Bridge ‖	Monongahela																T.			.26	.23	T.		.08	.26	.11			T.	.04		.29	1.27
Clarksburg	do															.05				.15	.04			.16	.28	.06	.01			.18	.19	.06	1.18
Cortland ‖	do																		.28	.07				.40									0.75
Crawford	do								.01										.10	.20	.10					.40	.50		.20	.10	.60	.20	2.41
Creston ‖	Little Kanawha															.05				.08	.14				1.03	.21			T.	.11		.40	2.02
Dam 10, Mon. R.‖	Monongahela															.14	.03			.03	.08				.49	.15	.03			.18			1.13
Dam 12, O. R.‖	Ohio															.22					.01				.32	.22						.37	1.14
Dam 13, O. R ‖	do															.49				.02	.04				.39	.20				.06		.18	1.38
*Dam 15, Mon. R.‖	Monongahela															.03				.04	.08				.32	.11			.02	.27		.34	1.21
Davis ‖	do															.01				.11	.09				.48		.08					.38	1.15
Elizabeth‖	Little Kanawha															.10				.07	.10				.76	.02				.19	.20		1.44
Elkins***	Monongahela															T.				.18	.01			.25	.09	T.			T	T.	.34	.02	0.89
Fairmont ‖	do															T.	.05			.03	.10				.50	.12				.26		.36	1.42
Glenville ‖	Little Kanawha																			.14	.21				.88	.17			T.	.05		.41	1.86
Grafton‖	Monongahela																																
Horner	do																			.20				.22	.35						.42		1.19
Janelew (near)	do																		.19				.19	.37	.08				.06	.24	.15		1.28
Lost Creek	do															.04				.12				.22	.28	.05			T.	.11	.35	.03	1.20
Mannington	do															.13				.07	.02			.18	.39	.06			.05	.19	.23	.03	1.35
Morgantown	do															.14				.10				.33						.25	.47		1.29
Moundsville‖	Ohio															.62					.10				.50	.20				.10		.30	1.82
New Cumberland‖	do															.12					T.				.35	.20				.05	.05	.22	0.99
New Martinsville	do															.30				.10					.75	.05			.05		.40		1.65
Parkersburg ***	Ohio														T.	.04			.04	.08				.14	.27				.09	.05	.11		0.82
Parsons	Monongahela															T.				.20									.10		.50		+++
Philippi	do															T.				.15				.22	.22				T	.12	.36		1.07
Pickens	do																			.39				.51	.55				T.		.64	.10	2.19
Roanoke	do																				.20	.10		.20	.40						.50	.20	1.60
Rowlesburg ‖	do																				.06				.40	.25							0.71
Saint Marys ‖	Ohio															.13				.06	.10				.65	.15						.10	1.19
Smithfield‖	Fishing Creek															.10	.03			.05	.17				.59	.18			.21			.30	1.63
Terra Alta	Monongahela															.04		T		.19	.07			.28	.19	.08	.01		T.	.20	.16	.12	1.34
Valley Chapel	do																			.16	.05			.20	.47	.09				.11	.30	.10	1.48
Vandalia	do																			.17	.07			.15	.44	.06			.01	.02	.52	.25	1.69
Wellsburg	Ohio															.24				.05					.56	.07				.12	.25		1.29
Weston	Monongahela																			.20	.03			.23	.33					.05	.25	.10	1.19
Wheeling ‖	Ohio															.35	T			.01	.03				.42	.20			.01	.05	T.	.18	1.25
Southern Division.																																	
Bancroft ‖	Great Kanawha																			.16	.12				.95	.14			.03	.02		.21	1.63
Beckley	do																			.10				.74	.16								1.00
Bluefield	do																			.10				.70	.33						.04		1.17
amden-on-Gauley‖	do																			.80					1.00								1.80
harleston ‖	do																		.05	.20					1.20	.16						.05	1.66
lay ‖	do																			.08	.18				1.03	.13				.01		.49	1.92
Dam 19 O. R. ‖	Ohio															.20	T.			.04	.08				.37	.20			.04	.13		.12	1.18
am 20 O. R. ‖	do															.16				.05	.12				.44	.20			.03	.22	.02	.14	1.38
am 26 O. R ‖	do							.03												.15	.05				.70	.10				.10		.20	1.33
ary‖	Big Sandy																			.07	.25			.03	.85	.07						.25	1.52
reen Sulpr. Spgs.	do																																
inton ‖	do																			.08	.10			.10	.78							.10	1.16
untington ‖	Ohio																			.10	.06				.88	.12				.04		.18	1.38
anawha Falls‖	Great Kanawha																																
ayford‖	do																			.05	.20				1.48	.16				.04		.66	2.59
ewisburg	do																			.20				.60	.18								0.98
ogan	Guyandotte																			.32				1.25	.11	.10					.40	.10	2.28
arlinton	Great Kanawha																			.48				.68	.06				.12	.16	.03		1.53
rgan Cave	do																																
oint Pleasant	Ohio															T.				.15					.62	.25			.05	.16		.08	1.31
owellton	Great Kanawha																			.18				T	.86	.05					.28		1.37
aleigh ‖	do																				.25				1.00	.02						.05	1.32
avenswood (Dam 22	Ohio															.05				.08	.10				.65	.25			.10	.15			1.38
obertsburg ‖	Great Kanawha																			.08					.70	.19				.03			1.00
van	do															.01				.17				.61	.86				.03	.03	.45		2.16
arples ‖	Coal River																								.60	.30				.30			1.20
encer ‖	Little Kanawha															T.				.04	.13				1.04	.21			T.	.05		.32	1.79
tton	Great Kanawha																			.36				.38	.52				T.		.31	.27	1.84
nion	do																			.26				.02	.03	.03					.14	.18	0.66
hite Sulpr. Spgs ‖	do																		.02				.15	.95							.11		1.23
illiamson ‖	Big Sandy																			.20	.08				1.05	.08			T.			.50	1.91

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T Trace, or less than 0.01 inch.

+++ Probably incomplete.

Daily Temperatures for October, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	63	62	64	64	58	67	60	64	64	65	70	77	81	80	72	68	68	71	73	53	57	54	51	40	41	45	62	58	64	68	55	62.5
	Minimum	41	31	33	38	24	20	23	22	20	23	34	28	29	38	48	43	49	30	36	34	29	19	21	34	35	40	28	31	41	32	30	31.7
Brandywine	Maximum	64	70	70	65	60	66	60	65	64	63	75	80	85	82	78	74	73	74	68	67	65	67	50	60	65	66	64	60	75	70	60	67.9
	Minimum	45	40	38	30	28	26	29	27	24	26	38	28	32	40	39	38	40	38	40	34	23	25	30	35	34	30	24	30	38	34	31	32.7
Burlington	Maximum	75	76	77	74	69	67	69	72	72	70	73	84	93	86	77	70	77	75	85	67	70	65	60	54	52	50	67	65	72	75	68	71.2
	Minimum	45	39	39	42	32	29	30	27	28	31	47	38	42	44	53	50	50	32	43	40	28	29	33	41	44	40	29	35	48	40	36	38.2
Inwood	Maximum	78	70	70	73	63	59	55	63	65	68	75	73	80	81	81	69	68	70	67	65	58	61	50	50	56	60	61	64	65	74	65	66.4
	Minimum	48	40	42	41	35	33	34	28	29	31	44	39	39	40	46	57	45	38	44	49	35	34	40	40	40	48	29	33	48	43	41	39.8
Martinsburg§	Maximum	70	75	76	75	66	64	64	69	70	72	79	77	82	83	78	63	72	70	69	67	52	52	45	53	53	47	50	60	59	65	65	65.9
	Minimum	41	42	43	36	35	33	32	32	33	44	41	40	49	54	57	41	36	39	39	36	35	42	31	31	39	32	38	35	45	35	34	38.8
Moorfield	Maximum	75	74	78	76	72	66	66	69	69	75	77	80	90	86	78	74	76	80	81	74	69	67	62	58	56	59	63	68	71	77	74	72.3
	Minimum	41	33	35	35	33	25	27	25	25	24	40	31	30	39	48	42	44	30	42	36	23	24	37	34	40	42	26	31	44	37	36	34.2
Piedmont	Maximum	67	70	71	69	60	63	61	64	69	72	72	77	82	80	73	63	69	71	72	61	63	58	42	52	48	53	59	56	67	68	48	64.5
	Minimum	47	38	39	41	30	29	30	29	29	32	46	40	38	47	55	52	49	38	44	38	28	29	31	39	42	48	32	35	49	41	38	38.8
Romney	Maximum	70	74	74	73	64	64	68	67	69	72	79	86	87	85	69	64	70	73	....	65	65	67	52	49	84	64	62	....	71	78	....	70.2
	Minimum	44	39	38	43	29	27	28	27	27	29	48	37	34	43	52	48	46	32	43	....	25	25	30	38	42	49	27	40	....	40	37	36.8
Upper Tract	Maximum	69	67	67	67	65	60	59	64	70	71	....	74	74	73	73	74	74	73	71	71	69	64	53	52	48	49	58	60	67	66	65	65.6
	Minimum	36	34	35	38	29	26	30	29	29	28	....	33	34	33	35	41	42	40	30	31	27	25	28	28	40	39	38	28	26	26	39	32.6
Northern Division.																																	
Bens Run	Maximum	71	67	74	67	62	63	67	70	70	73	77	83	86	80	75	84	83	83	72	60	62	55	49	44	58	60	66	61	63	69	46	67.7
	Minimum	45	45	45	44	36	36	36	36	36	38	40	41	57	49	58	53	56	58	50	42	34	33	36	39	41	34	38	43	40	44	35	42.5
Buckhannon	Maximum	62	65	65	67	56	56	60	60	62	64	69	72	72	79	68	78	78	79	69	56	56	57	46	40	49	55	56	58	67	70	56	62.8
	Minimum	41	37	36	40	31	28	31	30	28	30	35	35	39	39	53	54	58	40	50	42	28	33	30	36	38	35	32	37	48	42	35	37.9
Cairo	Maximum	70	66	71	66	61	61	65	69	68	72	75	80	84	79	74	82	80	81	68	57	60	52	51	50	55	56	67	63	63	68	48	66.5
	Minimum	41	40	39	37	31	28	32	28	26	29	33	33	37	42	56	46	43	40	51	37	26	30	27	35	41	35	40	49	50	41	36	37.4
Clarksburg	Maximum	70	75	69	70	62	60	65	66	65	69	74	80	84	82	76	84	82	83	83	57	60	65	49	40	51	54	64	62	64	70	62	67.6
	Minimum	42	42	39	40	33	32	34	31	29	33	35	35	37	38	38	48	51	44	53	43	28	33	31	37	40	31	33	37	50	42	35	37.9
Creston	Maximum	69	66	71	70	63	62	66	69	69	73	78	83	87	80	73	83	81	81	68	59	64	54	49	42	60	60	67	59	66	69	48	67.4
	Minimum	42	41	40	40	32	31	34	32	30	32	34	35	39	43	55	44	49	42	51	40	28	30	27	32	36	34	35	41	49	43	36	38.0
Elkins	Maximum	60	63	65	66	55	56	63	63	63	66	71	79	82	76	69	75	74	77	72	54	57	51	43	40	47	51	63	60	68	71	42	62.6
	Minimum	42	39	40	42	31	28	30	33	27	30	32	31	34	41	48	45	51	47	45	30	25	26	28	35	39	41	33	35	44	38	30	36.1
Fairmont§	Maximum	69	63	73	70	63	64	66	40	68	72	70	81	85	80	71	85	83	89	72	62	65	57	40	44	48	51	65	58	60	69	48	65.5
	Minimum	45	44	40	40	36	34	34	33	32	33	35	38	40	47	55	50	51	46	48	42	31	31	32	34	38	38	40	31	34	45	35	39.1
Glenville	Maximum	82	67	72	76	66	61	74	73	68	67	74	73	85	88	84	75	80	79	76	53	61	61	18	42	53	59	59	58	63	69	52	67.7
	Minimum	50	36	34	36	34	33	34	31	32	32	34	35	35	41	51	50	44	38	52	42	30	29	26	36	41	32	31	39	48	38	37	37.5
Lost Creek	Maximum	65	65	69	68	62	59	64	65	65	69	74	79	84	81	72	83	81	84	74	65	61	53	46	40	50	59	65	59	66	70	63	66.5
	Minimum	37	38	35	39	26	25	29	25	23	26	30	30	34	38	52	41	48	36	50	41	23	32	25	35	38	27	28	33	46	38	34	34.3
Mannington	Maximum	64	59	66	64	58	57	61	64	64	67	71	75	81	76	70	80	78	79	72	56	60	54	45	41	49	51	60	59	62	69	48	63.2
	Minimum	42	40	38	36	30	28	30	27	26	30	33	32	35	41	56	47	53	38	50	38	25	29	27	37	40	33	35	34	50	40	35	36.6
Morgantown	Maximum	65	76	69	67	64	58	64	64	63	68	72	79	86	79	70	78	78	82	75	58	60	53	40	48	....	51	61	59	59	79	45	65.7
	Minimum	43	40	42	47	32	30	31	31	29	32	41	43	48	54	55	56	56	52	50	43	30	31	30	37	....	41	32	37	50	43	33	40.6
New Cumberland§	Maximum	64	61	70	64	59	57	62	64	67	70	77	83	84	67	69	81	75	78	69	57	57	50	50	46	49	52	56	59	56	59	42	63.0
	Minimum	47	41	44	44	34	34	33	34	34	35	38	40	42	44	47	50	52	41	47	40	33	30	30	33	42	37	36	39	38	43	31	39.1
New Martinsville	Maximum	70	68	75	67	63	62	67	70	69	74	80	85	88	80	75	84	87	87	68	61	60	55	48	45	53	57	66	60	62	69	54	68.0
	Minimum	41	42	39	40	34	33	34	32	33	34	35	36	38	43	55	50	52	42	49	40	28	31	32	37	40	33	36	38	49	42	33	38.7
Parkersburg	Maximum	66	63	71	66	59	59	62	67	67	71	77	80	85	79	72	80	77	79	65	59	61	50	49	44	58	56	67	59	61	69	45	65.3
	Minimum	48	47	44	47	38	37	40	38	38	35	39	41	46	51	58	53	60	55	50	39	34	38	37	39	42	35	40	49	52	42	34	43.4
Parsons	Maximum	....	67	68	69	64	....	64	64	64	68	69	71	75	81	71	76	74	78	70	65	58	56	....	....	....	50	....	68	68	73	54	67.4
	Minimum	....	39	37	39	26	....	27	27	23	26	31	33	41	50	45	45	45	33	46	38	22	23	....	....	....	38	....	38	45	34	29	35.2
Philippi	Maximum	65	64	68	67	59	59	64	71	68	70	71	80	84	91	80	80	78	83	72	56	69	53	43	38	48	53	65	61	67	71	50	66.1
	Minimum	41	39	39	51	30	29	32	33	33	35	34	45	51	53	55	56	51	43	49	42	31	32	30	35	35	35	34	42	48	48	32	40.1
Pickens	Maximum	64	65	66	63	65	61	65	67	65	70	72	80	83	76	70	78	75	77	62	53	60	54	42	36	45	44	66	59	67	68	46	63.4
	Minimum	38	35	34	34	26	25	28	31	26	....	35	36	43	45	46	45	50	42	43	30	25	26	25	30	32	26	28	35	40	40	28	34.2
Terra Alta	Maximum	58	54	61	58	51	54	59	60	58	62	61	73	78	72	67	65	65	68	67	49	54	49	41	41	41	42	58	52	62	60	47	57.6
	Minimum	37	30	31	43	22	20	24	22	20	26	36	32	32	39	51	44	47	41	42	36	22	25	25	25	33	38	29	30	47	36	27	32.6
Wellsburg	Maximum	64	59	70	64	55	54	62	64	64	68	75	77	82	69	66	78	78	76	68	59	55	50	47	47	50	49	59	55	55	69	45	62.4
	Minimum	44	39	44	39	31	31	26	28	29	33	36	34	46	42	52	47	58	39	49	36	27	25	26	39	41	38	37	38	48	43	33	38.0
Weston	Maximum	67	66	71	70	62	61	66	67	67	70	75	82	85	88	71	84	81	85	76	60	62	52	50	41	52	56	67	57	71	70	53	67.3
	Minimum	43	41	39	40	33	30	35	31	30	33	36	35	39	46	53	45	48	39	51	43	29	35	30	35	39	31	33	40	49	44	37	38.5
Wheeling§	Maximum	70	64	78	71	62	64	69	71	68	75	82	87	91	80	63	84	82	85	69	82	62	52	48	45	52	52	62	60	58	69	49	67.9
	Minimum	45	40	40	41	32	31	30	30	31	33	34	40	40	40	46	49	50	46	45	39	30	29	31	33	38	34	34	39	47	45	32	37.9
Southern Division.																																	
Bluefield	Maximum	73	74	71	71	71	66	71	68	74	75	80	82	84	81	80	78	79	74	70	62	66	60	54	37	63	66	71	73	71	73	68	70.6
	Minimum	40	38	43	43	41	36	38	33	32	32	38	40	40	41	40	50	49	48	43	41	27	28	31	29	30	30	33	42	40	52	34	38.1
Charleston	Maximum	71	85	82	78	78	75	71	81	80	76	72	74	80	85	82	84	84	78	80	75	75	75	71	65	58	60	79	78	66	74	69	75.5
	Minimum	49	48	48	49	42	38	40	40	41	41	43	43	46	51	54	55	59	54	52	45	44	35	30	35	37	38	40	41	46	49	35	44.1
Gary §	Maximum	69	70	72	70	67	....	67	71	73	74	79	84	....	85	79	79	73	76	61	59	64	57	36	40	61	65	....	71	76	75	49	67.9
	Minimum	40	45	41	44	43	39	....	39	36	34	34	37	39	....	41	46	47	51	52	45	31	33	32	32	32	32	32	....	35	41	39	39.0
Hinton §	Maximum	75	72	75	75	71	69	63	75	75	76	79	85	88	84	81	79	73	81	65	64	68	62	39	42	66	71	73	67	75	73	56	70.9
	Minimum	46	44	45	47	41	36	38	38	36	36	37	39	40	41	46	46	46	45	50	42	31	33	33	34	34	35	36	37	39	44	40	39.8
Huntington §	Maximum	66	68	71	70	60	60	63	65	66	67	72	76	79	76	77	77	77	75	58	56	59	54	47	47	61	61	66	66	67	60	47	65.0
	Minimum	51	50	50	48	42	36	39	39	38	39	39	39	43	48	53	53	54	53	57	40	35	36	35	37	40	40	40	42	50	36	34	43.1
Lewisburg	Maximum	66	67	67	69	62	62	58	66	68	68	74	76	80	77	74	71	70	73	64	56	61	58	46	41	58	62	66	66	70	70	59	65.3
	Minimum	37	35	37	36	34	30	37	29	27	27	33	31	36	42	42	44	55	38	51	37	22	31	31	33	37	34	26	33	38	40	37	35.5
Logan	Maximum	93	87	89	90	90	88	86	92	90	88	86	88	90	92	90	92	93	93	90	84	80	77	72	50	69	88	80	72	80	82	80	84.5
	Minimum	59	50	52	50	44	40	44	42	44	39	40	42	47	48	50	53	58	59	50	46	42	35	34	33	35	37	40	41	44	48	46	44.9
Marlinton	Maximum	60	60	60	60	58	56	54	56	60	66	68	70	74	70	64	68	66	66	56	50	56	52	40	36	52	54	58	60	64	64	56	59.2
	Minimum	38	36	38	36	32	28	36	32	26	26	32	28	30	34	36	42	44	36	46	32	20	24	30	32	36	28	28	30	42	42	28	33.2
Point Pleasant	Maximum	71	71	75	72	64	62	66	61	70	74	79	84	85	80	89	80	79	81	74	59	62	58	55	50	62	60	69	58	62	65	57	68.8
	Minimum	45	44	49	42	51	37	40	34	33	37	38	40	44	46	59	49	56	50	51	35	31	34	30	29	41	31	36	54	52	44	35	41.8
Powellton	Maximum	76	70	73	72	66	66	66	70	70	70	74	79	84	....	80	81	79	81	73	60	....	65	....	46	62	63	69	....	74	74	58	70.4
	Minimum	44	42	46	41	38	33	36	38	33	34	37	38	41	....	....	47	58	51	52	45	....	30	....	32	38	34	36	....	39	44	40	40.4
Ravenswood	Maximum	72	73	72	71	61	61	65	68	68	71	78	82	85	80	76	82	77	89	77	60	63	54	51	48	61	61	67	64	63	67	58	68.5
	Minimum	43	41	41	41	33	31	36	31	29	33	36	38	41	46	53	47	61	55	51	38	29	36	34	36	41	32	37	44	51	44	35	40.2
Robertsburg§	Maximum	76	75	78	72	68	66	66	67	68	79	84	89	89	86	73	83	80	87	62	63	64	56	50	48	55	67	72	58	66	58	48	69.5
	Minimum	44	43	44	42	34	31	36	30	31	34	36	38	38	45	50	45	53	53	54	34	31	34	28	34	36	32	34	34	48	44	35	38.9
Ryan	Maximum	70	71	75	74	70	61	70	70	71	73	79	83	87	84	74	83	79	81	70	61	62	60	44	41	62	63	63	70	71	68	48	69.0
	Minimum	41	36	41	36	28	26	29	29	25	27	29	30	36	40	46	42	50	45	49	38	24	25	23	34	37	25	26	30	44	40	30	34.2
Spencer §	Maximum	65	66	70	70	60	58	64	64	65	68	75	79	78	78	67	79	76	79	63	57	62	58	49	49	59	58	65	55	67	66	45	65.0
	Minimum	42	39	41	44	32	30	40	31	28	29	31	35	36	41	52	44	45	50	55	40	27	31	27	36	37	30	31	36	49	45	35	37.7
Union	Maximum	71	80	74	75	70	70	....	68	70	72	76	79	82	81	....	77	73	75	75	61	63	....	41	41	61	65	64	....	70	71	63	69.3
	Minimum	35	36	38	37	35	34	....	31	28	27	32	32	32	41	....	44	53	41	54	37	24	....	31	31	31	32	27	....	33	45	36	35.4
White Sulphur Spgs§	Maximum	69	70	70	71	66	64	58	67	71	71	71	79	82	79	75	72	73	70	59	62	60	42	50	60	65	66	66	72	72	48	52	66.2
	Minimum	38	38	39	39	38	30	36	32	31	27	33	31	29	40	41	42	47	30	38	23	26	30	35	37	29	30	32	39	37	38	19	34.0
Williamson §	Maximum	67	67	70	68	62	62	64	66	66	67	71	79	80	77	77	77	78	75	56	55	59	53	38	42	61	61	66	63	70	68	50	65.0
	Minimum	50	50	50	50	42	39	39	40	41	38	38	40	41	45	48	50	52	53	55	42	36	36	32	32	33	34	37	40	46	47	40	42.5

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

VOL. XXXI. PARKERSBURG, W. VA., NOVEMBER, 1923. No. 11.

GENERAL SUMMARY.

The month was slightly cooler than usual and the temperature was continuously near the normal, except for three or four short periods. The highest temperature recorded, 73°, was exceeded in every other November of State record and the lowest readings were considerably above the average for November. As usual during November, the month was somewhat cloudy. In marked contrast with the preceding month, the precipitation was considerably above the normal and well distributed. Deficiencies were noted at only six stations, four in the southern section and two in the eastern panhandle. The snowfall was unimportant in nearly all the agricultural districts, but light to moderate snow fell on two or three days in many of the more elevated localities. Corn husking and threshing were general and the conditions were mostly favorable for outdoor work. At the close of the month winter wheat was in good condition.

TEMPERATURE.

The monthly mean for the State, determined from 51 stations, was 42.3°. The departure from the normal for 41 stations having ten or more years of record was — 0.4°. The temperature was considerably below the normal from the 7th to the 10th and in the northern districts on the 20th, with the lowest readings occurring generally on the 9th and 10th. The warmest weather occurred on the 13-14th and 21st-22d.

PRECIPITATION.

The average precipitation for the State, determined from 75 stations, was 3.49 inches. The departure from the normal for 48 stations having ten or more years of record was +0.84 inch. The precipitation was heaviest over the central and northwestern counties, and lightest over the extreme eastern counties. Practically all the precipitation was received from the 3d to the 8th, 15th to the 17th, and on the 22-23d, 26th, and 29-30th, the greatest amounts being measured on the 4th, 5th, 7th, 23d, and 30th. Snow flurries occurred in most of the central and northern counties on the 7th and 8th, and moderate snow, ranging generally from 1 to 8 inches, fell over the northern mountain regions from the 7th to the 9th and on the 16-17th.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Brownsville, 6th; Charleston, 12th, 14th, 22d; Crawford, 6th; Elkins, 6th, 13th, 14th, 15th, 28th; Hinton, 0th, 14th; Lock 15, Mon. R., 14th, 15th, 16th: Morgantown, 3th, 14th; Moundsville, 2d, 14th; New Cumberland, 15th; Parkersburg, 14th; Rowlesburg, 5th, 6th, 12th to 16th, 20th; Terra Alta, 6th, 16th, 17th; Wheeling, 2d, 12th to 15th, 20th, 29th.

Halo, lunar: Elkins, 21st, 22d.

Halo solar: Bayard and Ryan, 22d.

Haze: Terra Alta, 22d, 28th.

Sleet: Marlinton, 7th; Terra Alta, 7th, 17th.

Smoke: Lost Creek, 6th.

Thunderstorms: Horner and Roanoke, 6th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA.

Stations.	Mean barometric pressure. (sea level)	Mean relative humidity.			Sunshine.		Wind.				
		8 a.m.	local noon.	8 p.m.	Total hours.	Percentage of possible.	Total movement miles.	Average hourly velocity.	Max. velocity. Miles per hour.	Max. velocity. Direction.	Max. velocity. Date.
Cincinnati, Ohio	30.12	81	60	78	141.1	47	7,520	7.2	21	sw.	21
Columbus, Ohio	30.11	85	71	81	143.1	48	8,714	8.9	38	nw.	7
Elkins	30.14	87	62	76	131.2	45	3,930	5.5	24	w.	30
Lexington, Ky	30.12	80	67	....	125.1	41	10,014	14.0	37	se.	29
Parkersburg	30.12	78	58	66	132.5	44	3,953	5.5	24	ne.	16
Pittsburgh, Pa	30.10	78	68	70	139.0	47	7,909	11.0	40	se.	29
Wytheville, Va	30.12	78	61	69	135.4	44	4,693	6.5	34	w.	18

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature. Mean.	Temperature. Highest.	Temperature. Lowest.	Precipitation. Average.	Precipitation. Greatest.	Precipitation. Least.	Precipitation. Snowfall (in inches).	Number of days. Clear.	Number of days. Partly Cloudy.	Number of days. Cloudy.
1891	42.5	80	8	3.04	......	......	......	......	......	......
1892	41.7	81	3	3.10	......	......	......	......	......	......
1893	41.4	74	3	2.12	3.22	0.47	......	13	6	11
1894	39.8	82	5	2.11	3.47	0.25	......	12	6	12
1895	41.6	87	12	2.35	4.00	0.20	......	12	8	10
1896	48.1	80	10	3.50	5.07	1.56	......	10	8	12
1897	45.0	76	13	4.45	7.15	0.30	......	9	9	12
1898	41.4	75	— 3	2.84	4.74	1.60	......	9	11	10
1899	45.6	76	14	1.93	3.49	0.20	T.	11	9	10
1900	45.5	86	9	5.20	8.88	2.71	2.8	8	8	14
1901	38.0	79	7	2.51	5.35	1.23	4.3	8	6	16
1902	50.3	83	12	3.27	4.56	1.23	0.7	11	6	13
1903	38.0	80	— 4	2.46	4.98	0.67	4.6	11	8	11
1904	41.2	75	9	0.64	3.05	0.07	1.4	12	7	11
1905	41.8	74	10	2.44	5.67	0.67	T.	13	7	10
1906	44.2	84	13	2.39	5.50	0.35	2.2	15	5	10
1907	41.8	74	13	3.40	7.05	1.41	1.0	10	8	12
1908	43.3	81	0	1.14	2.73	0.48	5.2	15	8	7
1909	49.1	84	12	1.34	3.85	0.23	0.2	14	7	9
1910	37.3	75	5	1.95	4.41	0.66	1.8	8	7	15
1911	40.5	83	7	2.74	5.54	1.27	2.0	10	7	13
1912	42.8	78	2	1.69	4.08	0.40	0.9	14	7	9
1913	44.5	82	— 1	4.49	7.50	0.61	13.4	12	5	13
1914	42.6	84	2	1.32	2.27	0.50	2.9	16	6	8
1915	45.2	85	11	3.06	5.99	1.15	1.1	13	8	9
1916	43.8	81	8	1.77	3.07	0.75	0.3	16	5	9
1917	39.6	78	0	0.89	3.65	0.05	1.5	16	4	10
1918	42.9	79	12	1.89	4.60	0.61	0.2	13	5	12
1919	44.4	80	10	4.51	7.53	0.85	0.3	12	6	12
1920	41.6	80	5	3.21	5.69	1.47	4.1	9	4	17
1921	46.1	85	11	5.99	8.81	2.52	0.8	7	6	17
1922	43.8	80	2	1.15	2.49	0.17	1.3	12	4	14
1923	42.3	73	10	3.49	5.35	1.70	0.7	13	3	14
Means and extremes	43.1	87	— 4	2.68	8.88	0.05	2.1	12	7	11

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., November, 1923.

See temperature and precipitation data in Climatological Tables, Pages 42, 43, and 44.

Station.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
arksburg	Evaporation	.039	.031	.030	.010	.010	.000	.050	.059	.042	.060	.065	.050	.040	.021	.012	.016	.011	.060	.059	.041	.040	.055	.045	.050	.055	.004	.048	.019	.020	.029	....	1.101
	Wind movement	7	26	2	27	9	27	117	110	77	34	52	77	12	53	18	37	94	100	51	19	32	34	55	113	57	78	40	33	10	62	....	1,463

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for November, 1923.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	22	39.3	+ 1.1	62	6	13	3	39	3.82	+1.36	0.90	9.0	15	15	1	14	w.	U. G. Clark.
Brandywine	Pendleton	......	7	40.0	......	62	23	15	2†	45	2.20	......	......	T.	8	18	0	12	n.	Elmer Keister.
Burlington	Mineral	875	29	45.7	+ 3.6	70	22	19	23†	46	2.70	+0.94	0.80	T.	5	14	4	12	e.	Mrs. Louie Bumphrey.
Harpers Ferry	Jefferson	241	34	......	......	......	......	......	......	......	2.15	−0.09	0.84	0	10	......	......	......	......	J. C. Newcomer.
Inwood	Berkeley	569	1	43.0	......	64	21	21	2†	37	3.03	......	0.86	0	10	17	5	8	nw.	H W. Prettyman.
Martinsburg	Berkeley	435	31	42.5	− 0.2	62	14	22	20	33	4.89	+1.73	1.20	T.	11	16	7	7	w.	Dr. H. S. Gardner.
Moorefield	Hardy	900	27	43.8	+ 0.1	68	1†	14	2	51	2.23	+0.62	0.45	0	7	20	2	8	......	M. S. Henkel.
Piedmont	Mineral	919	10	41.0	......	65	21	21	2†	40	3.03	......	0.85	0	13	13	2	15	nw.	C. A. Suter, Jr.
Romney ††	Hampshire	824	25	42.4^{g}	− 0.3	64^{g}	21	17^{d}	2	40^{g}	1.39	−0.58	0.80	T.	6	15	6	9	......	Geo. E. Arnold.
Stony River Dam	Grant	......	3	......	......	......	......	......	......	......	3.97	......	0.70	3.5	13	6	5	19	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	24	39.2^{a}	− 4.4	59^{a}	18†	18^{a}	3	37^{b}	3.25	+1.72	1.00	0	6	14^{e}	0^{e}	11^{e}	......	J. M. Mallow.
Wardensville	Hardy	1,200	5	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Luther F. Sutton.
Averages and	extremes	......	......	41.8	0	70	22	13	3	51	3.13	+1.03	1.20	1.2	10	15	3	12	w.	
Northern Division.																				
Bens Run	Pleasants	622	21	44.2	+ 0.9	67	21	22	29	37	4.31	+1.46	1.00	0	11	19	2	9	......	J. D. Riggs.
Benson	Harrison	1,080	0	41.4	......	66	21	18	3†	44	4.72	......	1.30	0	12	11	4	15	......	R. D Marts.
Brownsville	Lewis	1,032	0	43.0	......	69	21	16	20	48	4.05	......	1.07	0.1	14	12	4	14	w.	S. L. Montgomery.
Bruceton Mills	Preston	1,549	3	......	......	......	......	......	......	......	4.11	+1.46	0.98	1.1	14	8	8	14	nw.	W. M. Wolf.
Buckhannon	Upshur	1,411	26	42.0	+ 0.6	61	3	21	3†	40	4.18	+0.78	1.62	T.	12	15	1	14	......	H. A. Darnall.
Cairo	Ritchie	680	24	41.5	+ 2.3	67	21	16	9	41	3.92	+1.25	0.95	0	10	11	3	16	......	O. C. Hess.
Cheat Bridge	Randolph	3,558	5	......	......	......	......	10	10	......	4.26	......	0.74	5.5	14	14	0	16	......	H. F. Cromer.
Clarksburg	Harrison	1,015	1	43.2	......	67	21	20	20	42	4.10	......	1.11	T.	16	11	5	14	nw.	Clarksburg Water Board.
Cortland	Tucker	3,300	12	......	......	......	......	......	......	......	3.65	......	1.32	10.0	7	8	1	21	......	G. W. Harmon.
Crawford	Lewis	1,087	0	......	......	......	......	......	......	......	4.75	......	1.51	T.	19	11	12	7	......	J. Cecil Owens.
Creston	Wirt	701	21	43.2	+ 0.6	69	21	18	9	43	3.72	+1.22	0.75	0	13	12	2	16	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	2	......	......	......	......	......	......	......	3.28	......	1.14	T.	12	......	......	......	......	Lockmaster.
Dam 12 O. R.	Ohio	614	7	......	......	......	......	......	......	......	2.56	......	0.71	0	13	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	605	7	......	......	......	......	......	......	......	3.04	......	0.65	0	13	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	2	......	......	......	......	......	......	......	3.86	......	1.02	0	14	......	......	......	......	Lockmaster.
Davis	Tucker	3,093	14	......	......	......	......	......	......	......	3.83	+0.86	0.73	6.5	14	9	2	19	w.	Ross C. Male.
Elizabeth	Wirt	646	11	......	......	......	......	......	......	......	3.40	+0.93	0.78	0	11	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	22	40.9	+ 1.3	64	21	19	20	39	3.28	+0.42	0.94	T.	13	8	7	15	w.	U. S. Weather Bureau.
Fairmont	Marion	883	17	41.9	− 0.5	66	3	24	20†	41	4.09	+1.37	0.91	T.	14	17	1	12	w.	Creed E. Bolyard.
Glenville	Gilmer	738	29	42.2	− 1.4	67	12	20	1†	38	4.00	+1.02	1.00	T.	11	12	5	13	w.	Howard R. Braunon.
Grafton	Taylor	1,000	30	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. A. Williams.
Horner	Lewis	1,014	0	......	......	......	......	......	......	......	4.12	......	1.16	0	12	18	5	7	......	Thomas E. Miles.
Janelew(near)	Lewis	1,020	0	45.5	......	69	13†	16	2†	50	3.91	......	1.17	0	11	13	2	15	nw.	Dan Burkholder.
Lost Creek	Harrison	1,026	25	41.7	− 0.5	69	21	12	1	49	3.88	+1.38	1.28	T.	13	13	2	15	w.	Allen Smith.
Mannington	Marion	974	20	41.4	+ 0.1	65	21	18	3†	42	4.74	+2.24	1.06	T.	15	13	2	15	w.	Jas. A. Morgan.
Morgantown^{a}	Monongalia	1,250	30	43.9	+ 0.5	67	3	26	20	34	2.93	+0.03	1.20	0	7	3	9	17	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	20	43.0^{a}	− 0.2	73^{a}	3	22	20	50^{a}	3.05	+1.30	0.60	T.	12	13	7	10	nw.	T. E. Blake.
New Cumberland	Hancock	987	25	41.3	0	66	21	22	20†	42	2.97	+1.12	0.68	T.	12	12	2	16	n	Geo. W. Derouin.
New Martinsville	Wetzel	631	29	43.8	− 0.7	64	22	20	20	43	4.06	+1.36	0.80	0	13	14	1	15	w.	Wm. Ankrom.
Parkersburg	Wood	638	36	44.0	+ 0.9	68	21	25	9	35	2.97	+0.14	0.75	T.	15	11	4	15	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	23	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. W. Swisher.
Philippi	Barbour	1,149	26	43.2	+ 0.1	65	21	23	19	37	4.40	+1.43	1.40	0	12	14	0	16	w.	Prof. W. B. Pimm.
Pickens^{a}	Randolph	2,697	20	39.8	− 0.8	61	13†	16	1	37	4.82	+0.97	0.90	8.0	13	14	1	14	w.	Dr. J. L. Cunningham.
Roanoke	Lewis	1,050	0	......	......	......	......	......	......	......	3.82	......	1.10	0	13	......	......	......	......	Miss Mary A. Conrad.
Rowlesburg	Preston	1,375	36	......	......	......	......	......	......	......	4.03	+0.95	0.80	T.	7	......	......	......	w.	J. F. Pierce.
Saint Marys	Pleasants	577	14	......	......	......	......	......	......	......	4.47	+1.98	1.12	0	14	......	......	......	nw.	Wm. Hughes.
Smithfield	Wetzel	835	17	41.6	+ 0.5	70	21	20	3†	45	5.35	+2.38	1.00	T.	15	14	2	14	se.	G. M. Whisler.
Terra Alta	Preston	2,612	22	37.5	− 4.0	62	14	14	20	40	4.30	+1.22	0.96	3.9	14	9	6	15	w.	J. J. Shanahan.
Valley Chapel	Lewis	1,011	0	41.0	......	69	4	21	1†	43	3.97	......	1.00	0	13	12	7	11	w.	J. C. Campbell.
Vandalia	Lewis	1,120	0	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. S Linger.
Wellsburg	Brooke	1,225	22	41.4	+ 0.1	66	21	18	20	38	3.24	+1.09	0.83	T.	11	13	3	14	w.	George P. Pfister.
Weston	Lewis	1,026	27	44.4	+ 1.1	68	21	21	20	42	3.25	+0.02	1.02	T.	11	15	1	14	......	Weston State Hospital.
Wheeling	Ohio	645	36	41.8^{a}	− 0.3	69^{a}	21	21	20	47^{a}	2.87	+0.44	0.61	0.3	16	11	4	15	w.	Miss M. B. Forsyth.
Averages and	extremes	......	......	42.4	0	73	3	10	10	50	3.86	+1.11	1.51	0.9	13	12	4	14	w.	
Southern Division.																				
Bancroft	Putnam	574	19	40.8	− 3.7	68	15	21	20	40	2.86	+0.46	0.63	0	12	13	2	15	sw.	E. H. Morrow.
Beckley	Raleigh	2,440	23	40.6	− 2.2	66	1	15	12	48	1.70	−0.69	0.53	0	5	11	11	8	sw.	E. E. Phipps.
Bluefield	Mercer	2,558	28	45.4	+ 1.0	69	14	21	9	41	2.03	−0.25	0.74	2.0	6	22	1	7	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	8	......	......	......	......	......	......	......	3.60	......	1.00	T.	4	5	0	25	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	20	46.4	− 1.8	72	21	27	10†	37	2.80	−0.17	0.80	T.	10	14	0	16	w.	C. V. Lewis.
Clay	Clay	706	7	......	......	......	......	......	......	......	3.40	......	1.00	0	11	......	......	......	......	Ted Thomas.
Dam 19 O. R.	Wood	557	7	......	......	......	......	......	......	......	3.46	......	0.96	0	14	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	7	......	......	......	......	......	......	......	3.70	......	0.90	0	12	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	7	......	......	......	......	......	......	......	2.52	......	0.80	0	11	......	......	......	......	U. S. Engineer Office.
Gary	McDowell	1,426	7	43.0^{d}	......	68^{d}	21	20^{d}	10	43^{b}	2.64	......	......	0	10	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	27	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. H. Gwinn.
Hinton	Summers	1,450	26	43.1	− 0.9	70	14	21	10	45	2.91	+0.71	1.05	0	9	11	0	19	n.	J. B. Lavender, C. E.
Huntington	Cabell	538	29	43.0	− 0.6	65	21	25	10†	39	2.74	+0.03	1.16	0	12	13	3	14	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	4	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	7	......	......	......	......	......	......	......	3.48	......	0.98	0	15	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	23	40.6	− 0.9	62	14†	17	10	41	3.13	+0.67	1.28	T.	10	12	4	14	nw.	Geo. T. Argabate.
Logan	Logan	700	20	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Geo. R. Travis.
Marlinton	Pocahontas	2,131	24	36.1	− 1.7	58	14†	12	10†	40	4.01	+1.27	1.30	T.	10	11	8	11	sw.	S. L. Brown.
Organ Cave	Greenbrier	......	1	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	D. C. Humphreys.
Point Pleasant	Mason	553	30	47.4	+ 2.4	70	21	22	9	36	2.91	+0.16	0.70	0	11	12	0	18	nw.	Miss Grace E. Henson.
Powellton	Fayette	933	27	......	......	......	......	......	......	......	2.92	+0.53	......	0	......	......	......	......	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,150	7	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Raleigh Coal & Coke Co.
Ravenswood (Dam 22)	Jackson	538	8	44.0	......	67	21	17	9	40	3.40	......	0.72	0	12	12	0	18	ne.	Lockmaster.
Robertsburg	Putnam	574	23	42.8	− 0.4	68	3†	21	1†	46	3.04	+0.67	0.90	0	13	13	0	17	......	M. Frazier.
Ryan	Roane	700	20	41.5	− 1.4	69	21	14	9†	50	3.33	+0.85	1.01	0	12	13	2	15	......	Wm. E. Ryan.
Sharples	Logan	......	3	......	......	......	......	......	......	......	3.95	......	0.90	T.	9	......	......	......	......	E. H. Locke.
Spencer††	Roane	784	19	41.9	− 1.5	66	21	18	9	42	2.96	+0.18	0.81	0	11	11	4	15	......	A. M. McKown.
Sutton	Braxton	839	17	41.7	− 2.1	65	3†	17	10	45	3.92	−0.04	0.82	1.0	12	18	0	12	......	C. B. Eakle.
Union^{d}	Monroe	2,250	19	41.7	+ 0.7	64	22†	15	10	40	3.07	+1.08	0.80	0.5	9	9	4	13	......	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	13	40.5	− 2.3	65	13	15	9	45	2.60	+0.19	0.63	0	8	17	0	13	......	E. J. Comar.
Williamson	Mingo	660	23	43.2	− 2.0	67	14	26	10	35	2.33	−0.26	0.56	0	10	11	3	16	w.	J. F. Keyser.
Averages and	extremes	......	......	42.5	− 1.1	72	21	12	10†	50	3.06	+0.33	1.30	0.1	10	13	2	15	w.	
State averages and	extremes	......	......	42.3	− 0.4	73	3	10	10	51	3.49	+0.84	1.51	0.7	11	13	3	14	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

Daily Precipitation for November, 1923.

Stations.	Drainage basin.	Day of month.																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac				.28	.32	.02	.90	.10	.09			.20	T.			.11	.29	T.				.06	.37	.31	T.	.03			.19	.55		3.82
Brandywine	do				*	.80		.30					*	.40			T.							.20	T.		T.			*	.50		2.20
Burlington	do				.30	T.	T.	.40	T.				.40											.80							.80		2.70
Harpers Ferry ‖	do					.21	.25	.04					.14	.70					.02					.12	.22			.01			.44		2.15
Inwood	do					.86	.02	.10					.84	.02										.50	.02			.05		.05	.57		3.03
Martinsburg	do			.50	.76	1.20	.47	.10	T.			.50	.32											.51			.05			.12	.25		4.79
Moorefield	do				.45	.40		.16					.40											.33	.04						.45		2.23
Piedmont	do				.41	.05		.05	.17				.05	.02			T.	.02						.85	.05		.01	.01		.46	.38		3.03
Romney	do							.19	.05				T.				.02							.30	.03						.80		1.39
Stony River Dam ‖	do				.10	.64	.02	.30	.16	.08				.45				.04					.38	.70	.50			.14			.46		3.97
Upper Tract	do					1.00							.90	.20										.15						.25	.75		3.25
Wardensville	do																																....
Northern Division.																																	
Bens Run	Ohio				.11	.88	.28	.87									.14	.04						1.00	.05		.46			.15	.33		4.31
Benson	Monongahela				.96	.20		1.30									.12	.17					.07	.60	.14		.18	.16		.14	.74		4.72
Brownsville	do				.78	.27	T.	1.07	.01			.01					.05	.14					.10	.48	.26		.08	.15		.16	.49		4.05
Bruceton Mills ‖	do		T.		.43	.24	.08	.98	.16	.04		T.	T.				.12	.31					.10	.31	.21		.15			.21	.77		4.11
Buckhannon	do				.68	.10	.85	1.02	T.									.12	.08				.14	.21	.20		.15			.28	.35		4.18
Cairo	Little Kanawha				.90	.30	.60	.20	.14								.04	.14						.95			.55			.10			3.92
Cheat Bridge ‖	Monongahela				.26	.74	.03	.25	.02	.04	.20			.10			.23	.27	.50					.64	.50						.48		4.26
Clarksburg	do				.81	.26	.03	1.11	.06			.03					.05	.10	.02				.04	.52	.15		.12	.04		.11	.65		4.10
[illegible]	do			1.01					.70								.20	.09					1.32		.09		.24						3.65
Crawford	do	.20			.70	.21	.07	1.51	.05	.01		.02	.01		.30	.25	.23	.14					.04	.16	.22		.05			.27	.31		4.75
Creston	Little Kanawha				.72	.31	.05	.75				.05					.09	.05	T.				.06	.60	.26	T.	.08	.28			.42		3.72
Dam 10, Mon. R. ‖	Monongahela				.02	.62	.02	1.16	.05								.05	.03	.02					.07	.24			.16			.84		3.28
Dam 12, O. R.	Ohio				.20	.39	.08	.11	.07								.01	.12	T.				.03	.30	.12		.12	.30			.71		2.56
Dam 13, O. R.	do				.20	.65	.15	.31	.04									.10	.02				.05	.32	.18		.08	.35			.56		3.64
Dam 15, Mon. R. ‖	Monongahela				.08	.81	.02	1.02	.10								.03	.10	.02				.12	.28	.32	.02		.16			.78		3.86
Davis	do				.03	.62	.03	.73	.24	.12				.13				.27	.04				.24	.06	.68			.16			.48		3.83
Elizabeth	Little Kanawha				.78	.20	.08	.70										.08					.02	.75	.04		.12	.25			.38		3.40
Elkins	Monongahela				.52	.18	.75	.23	.03	T.		T.	T.				.24	.08					.10	.58	.10		.10			.29	.08		3.28
airmont ‖	do				.31	.65	.10	.91	.08	T.				T.			.06	.12	.06				.10	.37	.32	.04		.18			.79		4.09
lenville	Little Kanawha				.71	.36	.03	1.00	T.									.10	.14				.06	.54	.23			.26			.57		4.00
rafton ‖	Monongahela																																......
orner	do				.83	.29	.03	1.16									.08	.13						.53	.29		.15	.09		.24	.30		4.12
anelew(near)	do			.74	.25		1.17									.05	.12						.55	.15		.10	.14		.15	.49			3.91
ost Creek	do				.80	.24	T.	1.28	.04			.03					.03						.03	.52	.04		.10	.07		.15	.55		3.88
annington	do				.85	.20	.05	1.06	.02	T.		.02					.11	.10	T.				.11	.70	.11		.36	.04		.14	.87		4.74
organtown	do				.39	.16	T.	1.20									T.	T.						.37	T.		.12			.18	.51		2.93
oundsville ‖	Ohio				.35	.30	.10	.30	T.								.05	.15					.20	.50	.05		.20	.25			.60		3.05
ew Cumberland ‖	do				.18	.53	.11	.04	.11										.07					.32	.36	.04	.16	.37			.68		2.97
ew Martinsville	do				.70	.05	.10	.70									.20	.05					.10	.80	.05		.50	.05		.25	.45		4.00
arkersburg ***	Ohio			.07	.70	.10	.68	.04	T.			.01				.01	.09	.03				.06	.06	.57			.38			.07	.10		2.97
arsons	Monongahela																																......
hilippi	do				.78	.20	.10	1.40	.13								.06	.18					T.	.30	.40		.15			.20	.50		4.40
ickens	do				.65	.50	.12	.43	.12	.10							.63	.20						.90	.45		.27	.20		.25			4.82
oanoke	do				.41	.35		1.10				.03				.13	.23	.10					.12	.25	.26		.20			.23	.41		3.82
owlesburg ‖	do					.80		.70	T.	T.								.35						.35	.80			.25			.78		4.03
aint Marys	Ohio				.60	.46	.05	1.12	.10								.04	.23	.01				.11	.75	.12		.20	.30			.38		4.47
mithfield ‖	Fishing Creek				.56	.54	.02	1.00	.09	T.		.02					.04	.28	.05				.18	.58	.38		.08	.68			.85		5.35
erra Alta	Monongahela				.37	.32	T.	.75	.07	.01			T.				.04	.44	T.				.09	.54	.38		.06	.09		.18	.96		4.30
alley Chapel	do				.40	.62		.97	.05								.09	.10					.29	.42	.15		.15	.09		.05	.70		3.97
andalia	do				.66	.18	.29	.99				.06																					+++
ellsburg	Ohio				.76	.05	.05	.10	T.								.16	.06					T.	.54	.16		.53	T.		.45	.38		3.24
eston	Monongahela				.77	.25	.03	1.02	.05								.05						.07	.51	.25		.10	.15					3.25
heeling ‖	Ohio				.20	.45	.05	.24	.10	.01							.01	.12	.01	T.			.04	.30	.20	.01	.10	.42	T.		.61		2.87
Southern Division.																																	
ncroft ‖	Great Kanawha				.68	.14	.12	.52	.09								.18						.09	.37	.13		.02	.22			.30		2.86
ckley	do				.53	.47	.21																	.18						.31			1.70
efield	do				.74		.23	.18								T.	.16										.42			.30			2.03
mden-on-Gauley	do				.80		1.00		T.	T.							T.							1.00	T.					.80			3.60
arleston ‖	do					.80	.15	.30									.55						.05	.45	.15		.05	.12			.18		2.80
ay ‖	do					1.00	.26	.67	.05	.01							.30	.03						.67	.03			.14			.24		3.40
m 19 O. R.	Ohio				.58	.24	.10	.96	.02			.01				.02	.14	T.					.09	.56	.04		.14	.28			.28		3.46
m 20 O. R.	do				.62	.26	.12	.90	.03							.06	.16						.09	.64			.28	.25			.29		3.70
m 26 O. R.	do				.80	.20		.40	.05								.05	.05						.50	.05		.05	.15			.22		2.52
ry	Big Sandy				*	.75	.05	.65									.03							.30	.45		.05	.15			.21		2.64
een Sulpr. Spgs.	do																																......
nton ‖	do				.26	1.05		.20	.02								.08							.48	.46			.06			.30		2.91
ntington	Ohio				.86	.30	.06	.58	.02							.06	.10						.02	.16	.02		T.	.20			.36		2.74
nawha Falls ‖	Great Kanawha					.35	.08	.30																.35									+++
ford	do				.48	.14	.08	.98	.01	.09		.15				.14	.22						.03	.29	.56	.03			.08		.20		3.48
risburg	do				.92	.36		.27	.03				T.			T.	.10							.72	.18		T.	.10		.14	.31		3.13
an	Guyandotte																																......
rlinton	Great Kanawha				1.30	.16	.02	.06	T.				.10			.13	T.							.90	T.		.14			.42	.78		4.01
n Cave	do																																......
nt Pleasant	Ohio				.70	.12		.60	.01								.15						.10	.52	.20		.06	.13			.32		2.91
velton	Great Kanawha				*	*	*	*								*	*	1.99						.45			.26			.22			2.92
eigh	do																																......
nswood (Dam 22	Ohio				.72	.30	.05	.62								.05	.12						.15	.52	.20		.10	.22			.35		3.40
ertsburg ‖	Great Kanawha				.90	.20	.08	.56	.08								.13	.05					.03	.40	.11		.04	.18			.28		3.04
	do				1.01	.11	.50	.17	.02							.07	.12							.60	.02		.41			.11	.19		3.33
rples ‖	Coal River				.85		.90		.20							.15	.30	.35						.40	.45						.35		3.95
ncer	Little Kanawha				.81	.41	T.	.72	T.							.05	.07	.03					.04	.42	.17	T.	.04	.20					2.96
on	Great Kanawha				.82	.28	.23	.76	.08							.28	.22							.32	.18		.28			.23	.24		3.92
on	do					.73		.32					.04				.04							.60	.22			.80		.11	.21		3.07
e Sulpr. Spgs	do			.45	.63		.28								.05								.57	.24			.05			.33			2.60
liamson	Big Sandy				.50	.04	.08	.56	T.							T.	.17	T.					.02	.32	.22		T.	.10		T.	.32		2.33

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

+++ Probably incomplete.

Daily Temperatures for November, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	43	50	52	49	51	62	50	36	46	51	52	50	54	60	53	49	44	45	46	54	60	59	53	47	40	54	51	45	39	54	....	50.0
	Minimum	26	15	13	27	42	44	33	28	23	25	38	31	29	22	22	36	31	29	29	15	25	40	33	33	29	30	31	28	18	33	....	28.6
Brandywine	Maximum	48	45	50	50	55	54	53	40	34	60	55	52	50	51	52	50	55	52	54	55	60	59	62	50	46	60	52	45	55	50	....	51.8
	Minimum	22	15	17	38	40	42	38	34	24	15	27	30	39	22	23	30	34	29	30	16	27	35	37	35	25	29	28	18	20	34	....	28.1
Burlington	Maximum	58	61	65	51	53	54	54	53	51	65	69	62	63	66	69	58	55	60	58	64	68	70	53	50	58	53	54	54	53	53	....	58.5
	Minimum	30	19	19	28	44	48	46	37	29	23	34	31	31	21	25	38	41	38	35	19	24	47	40	40	37	32	37	34	23	33	....	32.9
Inwood	Maximum	48	49	50	51	53	51	50	41	44	51	60	61	56	57	55	56	52	54	50	51	64	62	54	47	57	60	55	43	41	49	....	52.5
	Minimum	33	21	22	31	42	46	41	36	31	26	34	32	31	28	28	38	42	37	36	21	27	48	39	39	31	34	36	33	23	36	....	33.4
Martinsburg§	Maximum	55	26	42	50	52	48	50	41	47	58	53	48	61	62	42	45	44	47	50	55	57	60	60	55	56	59	47	39	55	55	....	50.6
	Minimum	23	25	26	38	45	43	39	32	34	36	40	34	32	31	37	42	40	35	23	22	40	40	39	35	33	37	36	25	29	40	....	34.4
Moorfield	Maximum	68	65	61	62	55	54	52	48	47	63	64	61	59	62	58	61	60	62	65	58	68	67	63	59	56	62	59	58	59	53	....	59.6
	Minimum	24	14	15	25	39	43	40	32	28	17	16	30	30	22	20	30	28	32	35	15	26	42	38	38	31	29	28	22	18	31	....	27.9
Piedmont	Maximum	49	50	55	46	48	54	49	41	40	54	57	45	54	59	47	54	46	49	47	49	65	59	48	44	45	56	48	44	36	47	....	49.5
	Minimum	29	21	21	30	44	46	38	33	30	25	37	38	32	29	29	37	38	36	33	21	25	43	38	38	33	33	36	30	21	35	....	32.6
Romney	Maximum	51	....	58	48	50	51	49	43	51	60	62	....	56	60	53	53	49	....	54	....	64	60	45	44	51	51	....	....	51	..	....	52.8
	Minimum	32	17	18	....	42	45	39	35	30	23	33	....	29	26	25	36	37	36	33	18	24	49	40	40	35	30	35	....	....	28	....	32.1
Upper Tract	Maximum	49	49	48	48	55	52	52	52	49	49	53	57	55	57	58	....	..	59	59	59	59	58	57	56	55	53	45	48	50	52	....	53.3
	Minimum	25	26	18	19	20	41	32	30	26	27	22	20	21	20	21	....	....	29	28	28	29	27	27	20	19	22	30	26	22	25	....	25.1
Northern Division.																																	
Bens Run	Maximum	53	62	61	57	54	54	54	41	42	50	62	58	60	61	52	50	45	55	52	62	67	62	66	52	51	53	49	47	43	54	....	54.4
	Minimum	27	28	27	49	42	45	39	30	23	25	32	32	33	30	35	36	35	35	29	25	40	41	42	40	30	41	37	30	22	42	....	34.0
Buckhannon	Maximum	44	56	61	54	57	58	49	40	38	50	56	56	57	59	55	50	49	43	50	58	58	56	52	50	44	53	45	45	51	57	....	51.7
	Minimum	22	22	21	42	48	48	34	32	25	28	21	31	32	21	30	32	43	34	32	20	28	49	45	36	29	33	34	25	26	43	....	32.2
Cairo	Maximum	47	57	60	57	58	57	46	46	40	54	60	49	59	59	55	56	46	53	46	59	67	62	54	50	49	51	47	48	52	52	....	53.2
	Minimum	19	21	20	40	48	43	39	33	16	19	29	27	27	24	30	29	34	31	24	18	28	40	41	40	24	35	34	30	30	20	....	29.8
Clarksburg	Maximum	45	59	63	63	59	58	50	41	41	54	59	58	56	62	63	53	47	52	55	61	67	64	55	52	50	53	47	44	44	55	....	54.3
	Minimum	21	22	21	39	48	49	38	35	24	21	29	33	34	29	30	38	35	33	27	20	29	42	44	39	28	34	33	22	24	42	....	32.1
Creston	Maximum	50	61	62	55	57	56	47	46	43	56	61	56	61	65	55	51	47	56	50	63	69	65	55	53	51	54	48	48	48	55	....	54.8
	Minimum	20	24	22	43	47	46	38	34	18	20	30	27	28	25	32	33	34	32	26	20	32	46	42	39	25	35	35	21	26	44	....	31.5
Elkins	Maximum	45	58	59	52	56	58	40	35	37	54	55	45	58	62	55	49	37	50	43	57	64	57	53	43	47	57	40	50	52	61	....	51.0
	Minimum	24	19	22	44	47	38	33	26	23	19	37	34	29	25	27	37	31	33	25	19	36	41	43	33	31	34	29	24	24	37	....	30.8
Fairmont§	Maximum	52	59	66	50	56	51	50	37	43	52	61	50	52	55	51	52	37	51	49	58	65	57	50	40	52	52	39	45	54	59	....	51.5
	Minimum	27	26	26	25	42	46	48	34	28	27	28	33	33	30	30	33	37	32	30	24	24	37	43	39	31	35	34	31	27	29	....	32.3
Glenville	Maximum	43	48	57	56	55	59	51	48	39	45	64	67	58	57	49	49	47	57	58	52	63	66	53	51	53	52	47	36	44	45	....	52.2
	Minimum	20	20	21	43	49	49	41	35	20	20	32	29	28	24	30	40	35	33	27	21	31	48	43	49	26	34	36	24	25	43	....	32.3
Lost Creek	Maximum	55	61	64	54	57	55	50	43	43	55	62	53	56	64	61	51	45	51	50	62	67	61	53	50	49	54	45	45	42	54	....	53.9
	Minimum	12	24	15	36	46	49	36	32	23	19	28	28	28	23	27	39	33	31	23	11	32	46	40	37	23	31	32	17	20	41	....	29.5
Mannington	Maximum	46	55	60	52	57	54	48	42	40	52	58	52	55	62	53	50	45	50	45	58	65	62	52	51	46	52	46	43	45	56	....	51.7
	Minimum	21	20	18	40	47	48	39	34	26	20	28	30	26	24	28	33	36	34	25	18	28	42	39	39	27	31	35	28	22	44	....	31.0
Morgantown	Maximum	47	60	67	53	55	53	45	42	42	....	58	52	47	51	58	52	44	50	47	59	65	61	51	49	47	54	45	45	47	58	....	52.0
	Minimum	28	33	33	45	47	44	38	28	28	....	44	31	32	27	39	42	34	33	30	26	47	44	42	36	32	40	33	31	30	42	....	35.8
New Cumberland§	Maximum	47	57	59	51	56	48	45	37	42	52	55	55	58	60	62	48	42	45	18	58	66	52	52	40	50	48	39	42	50	53	....	50.6
	Minimum	31	27	25	28	43	46	40	35	29	31	32	33	31	29	28	33	36	37	27	22	24	37	37	39	31	32	36	34	24	22	....	32.0
New Martinsville	Maximum	51	61	62	62	58	56	50	41	41	59	62	52	63	63	63	50	42	51	51	63	63	64	56	60	53	52	50	48	56	58	....	55.6
	Minimum	25	23	22	37	46	45	38	32	22	22	33	28	31	30	32	35	32	32	27	20	35	40	39	38	26	37	34	32	24	40	....	31.9
Parkersburg	Maximum	48	60	59	53	58	49	48	33	43	55	61	50	60	61	51	48	42	54	49	61	68	55	53	43	51	51	40	46	54	54	....	52.3
	Minimum	31	30	30	13	49	42	38	29	25	28	40	34	37	33	37	40	35	35	31	26	48	42	43	39	30	38	35	32	32	43	....	35.8
Parsons	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Philippi	Maximum	45	61	62	54	56	57	48	40	39	53	59	58	55	52	57	52	42	52	48	62	65	60	52	51	46	56	46	47	50	57	....	52.7
	Minimum	23	30	32	42	47	46	32	30	23	26	36	32	32	32	36	40	32	32	30	25	43	47	42	35	29	36	32	26	30	30	....	33.6
Pickens	Maximum	45	46	59	60	56	59	49	36	36	54	42	58	61	61	....	59	37	45	45	55	60	56	58	45	55	54	42	48	50	56	....	51.2
	Minimum	16	19	23	40	44	38	29	30	17	17	29	27	26	29	....	29	31	28	25	20	38	38	42	28	28	33	25	17	25	30	....	28.3
Terra Alta	Maximum	41	46	50	47	48	51	46	35	33	46	51	47	54	62	53	49	40	41	41	53	58	56	46	46	40	51	41	38	35	38	....	46.1
	Minimum	23	21	24	35	40	43	30	27	21	22	37	30	27	22	30	38	29	27	27	14	24	44	36	30	27	30	27	26	22	33	....	28.9
Wellsburg	Maximum	45	55	59	50	57	56	48	43	48	55	56	55	56	59	56	45	43	46	46	55	66	63	53	47	48	49	47	43	43	49	....	51.4
	Minimum	26	22	21	34	48	45	40	33	28	25	25	25	27	29	32	37	36	35	28	18	28	34	38	37	38	31	37	33	20	35	....	31.5
Weston	Maximum	45	61	64	62	67	57	53	41	40	54	61	60	56	62	59	54	46	52	58	63	68	65	56	53	48	47	48	44	45	50	....	54.6
	Minimum	22	23	22	41	48	50	39	34	24	23	45	31	33	27	31	42	34	33	29	21	43	49	43	38	38	35	34	24	26	41	....	31.1
Wheeling§	Maximum	52	59	64	55	60	43	48	41	47	59	63	56	56	62	50	41	49	40	50	59	69	58	54	41	51	48	39	48	53	....	....	52.9
	Minimum	28	24	25	28	45	45	38	30	25	25	30	28	28	28	29	33	33	29	29	21	22	38	35	40	28	30	35	32	29	25	....	30.6
Southern Division.																																	
Bluefield	Maximum	52	52	50	60	59	61	50	54	56	58	60	56	56	69	63	60	53	57	56	62	67	65	65	56	56	53	53	54	55	58	....	57.6
	Minimum	21	25	34	42	41	41	34	32	21	24	28	32	32	28	41	42	28	28	36	26	38	46	47	32	27	32	31	31	33	41	....	33.2
Charleston	Maximum	55	60	62	60	59	55	48	47	45	60	62	60	62	62	59	59	51	62	63	61	72	60	60	54	58	54	51	53	54	56	....	57.5
	Minimum	28	29	32	45	50	48	41	37	29	27	30	33	31	32	32	42	32	32	33	27	35	41	40	41	42	38	37	27	33	33	....	35.3
Gary§	Maximum	53	59	..	57	58	54	49	49	42	....	62	52	64	65	62	51	....	59	53	63	66	66	52	....	57	54	41	57	51	59	....	55.7
	Minimum	23	24	29	....	30	40	39	37	27	29	....	22	34	26	27	35	34	....	24	25	25	30	42	32	....	28	33	29	29	41	....	30.2
Hinton§	Maximum	60	56	58	48	58	55	49	43	45	65	68	52	65	70	59	52	38	64	58	63	67	66	53	48	59	52	42	56	41	59	....	55.8
	Minimum	22	23	25	25	41	46	39	33	27	21	23	29	32	30	32	32	35	32	30	23	24	30	41	37	28	28	32	29	27	34	....	30.4
Huntington§	Maximum	48	52	59	57	57	48	48	39	42	63	51	58	57	58	55	50	42	56	49	60	65	55	55	41	52	51	44	45	51	58	....	52.1
	Minimum	28	30	30	32	48	47	40	36	30	25	25	33	30	29	30	40	35	35	39	26	26	43	46	40	31	35	32	27	27	36	....	33.7
Lewisburg	Maximum	51	47	53	47	55	55	51	38	40	53	60	51	58	62	57	49	42	54	49	55	61	62	54	49	48	51	46	47	42	56	....	51.4
	Minimum	22	22	21	41	44	41	36	30	23	17	25	26	29	21	29	40	31	26	31	19	24	40	44	33	29	30	32	25	26	35	....	29.8
Logan	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Marlinton	Maximum	46	44	46	44	52	54	40	38	31	48	54	44	54	58	53	46	38	46	42	48	50	56	46	42	44	48	42	42	32	50	....	46.3
	Minimum	18	16	14	36	42	40	38	26	20	12	22	26	24	18	21	34	30	26	20	12	26	30	38	32	26	26	28	18	22	32	....	25.9
Point Pleasant	Maximum	50	61	62	55	53	52	57	48	45	59	65	60	66	64	55	50	41	60	55	63	70	60	56	51	55	55	50	48	49	56	....	56.0
	Minimum	23	40	26	44	49	49	41	26	22	29	33	30	35	36	30	43	40	41	38	41	51	50	51	40	42	49	38	38	41	45	....	33.7
Powellton	Maximum	49	56	....	....	....	59	53	46	46	....	....	....	....	59	..	62	....	....	62	58	....	65	62	....	....	57	51	....	....	57	....	56.1
	Minimum	24	27	....	....	....	45	45	37	36	....	....	....	....	....	..	34	....	....	39	25	...	35	47	....	....	29	36	....	....	26	....	34.0
Ravenswood	Maximum	50	59	61	55	53	57	49	48	43	57	63	60	60	63	62	51	46	57	54	58	67	61	55	51	52	54	40	47	49	55	....	51.9
	Minimum	21	25	21	45	43	45	40	32	17	23	32	31	29	25	33	37	34	35	25	21	44	43	44	40	28	44	36	22	27	47	....	33.0
Robertsburg§	Maximum	55	60	68	56	57	56	48	38	46	60	66	58	62	55	65	48	44	55	58	65	68	60	56	42	57	48	46	52	51	53	....	55.3
	Minimum	21	22	24	30	43	53	40	35	24	21	26	29	29	25	27	35	34	29	30	22	22	44	35	38	27	29	32	21	27	32	....	30.2
Ryan	Maximum	50	60	62	60	57	55	43	43	42	49	65	52	62	62	57	49	45	56	52	64	69	60	56	52	60	50	47	55	56	54	....	54.6
	Minimum	16	20	19	47	46	43	38	32	14	16	23	23	23	25	27	39	32	25	23	14	26	40	42	37	22	27	31	16	25	42	....	28.4
Spencer§	Maximum	48	59	60	53	54	47	43	36	41	54	61	60	57	61	55	46	36	54	49	61	66	54	53	47	51	47	43	52	52	52	....	51.7
	Minimum	20	21	26	34	47	47	37	36	18	21	31	28	28	25	34	38	34	33	27	19	43	49	45	39	26	35	34	21	21	45	....	32.1
Union	Maximum	50	50	50	....	55	56	54	44	40	54	....	63	56	61	62	57	48	....	55	55	62	64	62	54	....	64	53	48	43	58	....	54.5
	Minimum	21	25	23	....	41	37	35	31	23	15	....	24	25	21	25	35	32	....	25	21	27	37	42	34	....	28	32	27	29	31	....	28.9
White Sulphur Spgs§	Maximum	48	52	50	55	55	49	40	41	54	61	49	58	65	55	55	50	55	56	56	62	64	52	40	49	53	41	47	46	61	45	....	52.3
	Minimum	21	19	27	43	43	37	35	25	15	21	23	27	20	27	32	33	31	27	17	22	28	40	36	27	29	33	26	27	33	38	....	28.7
Williamson§	Maximum	45	65	60	60	56	49	49	40	42	54	61	59	56	67	54	48	39	58	49	50	63	59	46	42	52	47	41	46	53	53	....	51.8
	Minimum	38	35	35	35	48	49	40	40	30	26	27	34	35	32	32	38	36	28	28	28	28	34	45	39	31	32	34	30	30	38	....	34.5

§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXXI. Parkersburg, W. Va., December, 1923. No. 12.

GENERAL SUMMARY.

The month was the warmest December of State record, the average temperature, 43.1°, exceeding by 2° the average for the warm December in 1918. With one exception, it was also the wettest December of State record, the average precipitation being 5.82 inches, while the State average for December in 1901 was 5.84 inches. The month was nearly continuously warm, the temperature being below the normal for only two days, the 14-15th. The precipitation was favorably distributed over the State and throughout the month, the rivers being at only moderate stages until the last day. On the 31st moderate to heavy rain caused marked rises in some of the smaller rivers and streams. A flood stage of 23.8 feet occurred at Glenville at 10 p. m. of the 31st. The snowfall was only about one-third of the December average, and in most of the agricultural districts it melted nearly as fast as it fell. The greatest 24-hour amount, 10 inches, fell at Cortland, Tucker County, and the greatest monthly amount, 16 inches, was received at Pickens, Randolph County. The conditions were favorable for outdoor work, late pastures, and winter grains.

TEMPERATURE.

The monthly mean for the State, determined from 52 stations, was 43.1°. The departure from the normal for 43 stations having ten or more years of record was + 9.5°. The month was continuously warm, except the 14-15th, the highest temperature occurring on the 8th, 13th, 21st, and 31st. The 14th was cool, but the lowest temperatures occurred on the morning of the 15th.

PRECIPITATION.

The average precipitation for the State, determined from 75 tations, was 5.82 inches. The departure from the normal for 0 stations having ten or more years of record was + 2.35 inches. Nearly all the precipitation was received on the 4-6th, 9-11th, 3-14th, 20-25th, 27-28th, and 30th-31st. In many of the more levated localities, snow fell on the 6-8th, 13-14th, 24-25th, hile light snow or snow flurries fell in nearly all the agricultural istricts on the 13-14th and 25th.

MISCELLANEOUS PHENOMENA.

Fogs, dense: Bayard, 4th; Bens Run, 21st; Elkins, 2d, 4th, d 12th; Hinton, 2d, 5th, 17th, and 22d; Huntington, 4th; ew Cumberland, 18th and 19th; Smithfield, 20th and 21st; ellsburg, 20th; Wheeling, 1st to the 4th, 12th, and from the th to the 19th.

Halos, lunar: Bayard, 13th, 14th, and 16th; Clarksburg, th; Elkins, 15th, 17th, and 19th; Parkersburg, 15th and 17th; Ryan, 16th; Terra Alta, 16th and 21st; Wellsburg, 16th.

Halos, solar: Ryan, 15th. Terra Alta, 4th.

Sleet: Bens Run, 6th; Burlington, 30th; Lost Creek, 26th; Marlinton, 27th and 30th; Martinsburg, 25th and 30th; Romney, 13th; Terra Alta, 23d and 30th.

Thunderstorms (dates and number of stations reporting): 5th, 1; 6th, 1; 7th, 1; 11th, 1; 28th, 2; 30th, 4; 31st, 9.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA.

Stations.	Mean barometric pressure. (sea level)	Mean relative humidity.			Sunshine.		Wind.				
		8 a. m.	local noon.	8 p. m.	Total hours.	Percentage of possible.	Total movement miles.	Average hourly velocity.	Max. velocity. Miles per hour.	Direction.	Date.
Cincinnati, Ohio	30.07	86	72	82	106.1	36	5,785	7.8	34	sw.	28
Columbus, Ohio	30.03	90	80	86	97.6	34	5,955	8.0	39	w.	31
Elkins	30.11	86	70	81	125.4	43	4,396	5.9	34	w.	28
Lexington, Ky	30.10	88	81	....	82.2	28	11,678	15.7	46	sw.	27
Parkersburg	30.09	81	68	77	108.3	37	4,394	5.9	34	w.	28
Pittsburgh, Pa	30.06	77	70	74	130.7	45	8,287	11.1	49	w.	13
Wytheville, Va	30.12	81	72	64	121.0	40	5,223	7.0	35	w.	6

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	40.9	75	6	3.27	......	......	......	......	......	......
1892	34.1	72	−10	2.91	......	......	......	......	......	......
1893	37.1	76	7	2.05	3.73	0.56	......	10	8	13
1894	36.3	80	−29	4.04	6.56	1.71	......	11	7	13
1895	36.9	72	− 6	2.87	4.14	1.85	7.1	8	9	14
1896	35.3	67	2	1.68	2.88	0.57	......	12	9	10
1897	37.3	72	− 4	4.00	6.79	2.05	......	6	9	16
1898	33.4	69	−12	2.66	4.23	0.71	7.0	12	8	11
1899	33.3	77	−17	2.81	4.46	1.22	3.9	11	8	12
1900	34.6	66	3	2.26	3.45	1.32	1.0	11	7	13
1901	32.3	75	− 9	5.84	8.97	3.57	3.8	7	8	16
1902	33.9	70	− 2	5.33	9.95	2.01	9.4	5	7	19
1903	26.5	59	−11	2.00	4.43	0.30	7.8	12	8	11
1904	32.8	71	−20	3.12	5.91	1.63	9.8	8	7	16
1905	35.6	70	3	3.11	5.24	1.30	3.4	11	6	14
1906	35.9	70	− 1	4.73	11.15	1.83	6.2	5	6	20
1907	35.5	70	− 2	3.36	9.31	0.70	5.2	9	8	14
1908	36.4	73	5	3.03	7.36	1.06	6.0	9	8	14
1909	28.8	78	−10	2.55	6.00	1.16	10.9	9	8	14
1910	28.4	72	− 8	2.72	6.90	1.00	14.6	7	7	17
1911	39.3	74	4	3.27	5.58	1.25	1.6	9	5	17
1912	35.8	76	− 6	2.88	5.55	1.45	7.1	12	7	12
1913	36.4	68	3	2.82	3.81	1.10	2.9	9	8	14
1914	30.3	70	−20	5.46	8.04	2.58	12.5	7	4	20
1915	32.8	68	0	4.35	7.19	1.35	7.6	5	7	19
1916	32.8	77	−13	3.33	6.38	0.85	10.6	13	7	11
1917	21.3	67	−37	1.51	3.32	0.47	11.8	11	6	14
1918	41.0	74	0	4.41	8.14	2.70	3.2	8	6	17
1919	30.4	72	−15	4.07	7.35	1.17	7.8	10	6	15
1920	35.6	70	0	2.55	5.13	1.32	3.7	6	7	18
1921	37.0	79	0	4.25	7.51	1.11	7.5	7	7	17
1922	36.6	75	2	4.71	7.27	1.03	3.6	10	5	16
1923	43.1	78	0	5.82	10.96	1.00	2.4	11	5	15
Means and extremes	34.6	80	−37	3.45	11.15	0.30	6.6	9	7	15

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., December, 1923.

See temperature and precipitation data in Climatological Tables, Pages 46, 47, and 48.

Station.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
rksburg	Evaporation	.051	.011	.049	.015	.050	.060	.075	.055	.015	.010	.090	.020	.070	.000	.035	.030	.034	.011	.010	.004	...	...	...	.002	.000	.060	.000	.045	.070	.027	....	0.899
	Wind movement	81	50	24	23	41	132	113	52	57	38	71	17	89	101	19	49	23	19	8	28	6	19	96	150	35	130	12	195	121	20	73	1,898

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for December, 1923.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	22	39.5	+11.0	65	13	3	15	45	5.22	+1.32	1.12	7.5	16	17	2	12	sw.	U. G. Clark.
Brandywine	Pendleton	....	7	41.2	....	65	8	7	15	44	1.50	....	0.50	1.0	8	17	1	13	s.	Elmer Keister.
Burlington	Mineral	875	29	45.2	+13.0	75	13	14	15	44	2.70	+0.10	1.10	0	5	19	5	7	w.	Mrs. Louie Bumphrey.
Harpers Ferry	Jefferson	241	34	....	....	....	....	....	....	....	3.21	+0.59	1.01	0.5	11	....	....	....	....	J. C. Newcomer.
Inwood	Berkeley	569	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	H W. Prettyman.
Martinsburg	Berkeley	435	31	41.1	+ 8.4	62	21	18	14	31	4.12	+1.40	0.93	0.5	13	10	17	4	nw.	Dr. H. S. Gardner.
Moorefield	Hardy	900	27	43.8	+10.7	75	13	10	15	55	1.98	−0.28	0.70	T.	6	25	4	2	....	M. S. Henkel.
Piedmont	Mineral	919	10	41.4	....	71	13	15	15	36	4.00	....	1.45	0	13	12	4	15	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	25	41.5^{j}	+ 9.1	74^{j}	13	13^{j}	15	52^{o}	2.87	+0.39	0.72	T.	9	15	5	11	....	Geo. E. Arnold.
Stony River Dam	Grant	....	3	....	....	....	....	....	....	....	5.41	....	1.40	3.5	14	4	6	21	w.	A. C. Becker.
Upper Tract^{c}	Pendleton	1,230	24	42.4	+ 8.9	65	20†	10	15	43	1.00	−1.21	0.70	0	3	14	0	14	....	J. M. Mallow.
Wardensville	Hardy	1,200	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Luther F. Sutton.
Averages and	extremes	....	....	42.0	+10.2	75	13	3	15	55	3.20	+0.33	1.45	1.3	10	15	5	11	w-nw	
Northern Division.																				
Bens Run	Pleasants	622	21	44.3	+10.9	69	8	18	15	38	6.04	+2.28	1.05	3.0	15	14	4	13	....	J. D. Riggs.
Benson	Harrison	1,080	0	43.9	....	65	12	10	15	48	6.30	....	1.70	2.0	18	11	10	10	....	R. D Marts.
Brownsville	Lewis	1,032	0	43.8	....	69	13	9	15	52	6.01	....	1.23	6.3	16	13	10	8	....	S. L. Montgomery.
Bruceton Mills	Preston	1,549	3	....	....	....	....	....	....	....	6.56	+2.96	1.02	5.1	18	5	12	14	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	26	43.3	+10.3	67	13	11	15	40	7.61	+3.57	1.05	1.0	16	10	5	16	....	H. A. Darnall.
Cairo	Ritchie	680	24	43.4	+ 9.2	67	13	12	15	45	6.80	+3.04	1.65	1.0	8	12	4	15	....	O. C. Hess.
Cheat Bridge	Randolph	3,558	5	....	....	....	....	0	15†	....	8.04	....	1.32	8.5	18	11	6	14	....	H. F. Cromer.
Clarksburg	Harrison	1,015	1	45.1	....	69	13	14	15	45	5.54	....	1.45	0.8	18	7	8	16	nw.	Clarksburg Water Board.
Cortland	Tucker	3,300	12	....	....	....	....	....	....	....	8.68	+5.17	1.51	10.0	12	7	1	23	....	G. W. Harmon.
Crawford	Lewis	1,087	0	....	....	....	....	....	....	....	6.95	....	1.95	....	17	12	10	9	....	J. Cecil Owens.
Creston	Wirt	701	21	45.2	+11.3	69	13	13	15	48	6.05	+2.72	1.22	0.3	15	11	1	19	w.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	2	....	....	....	....	....	....	....	5.61	....	1.78	....	13	....	....	....	w.	Lockmaster.
Dam 12 O. R.	Ohio	614	7	....	....	....	....	....	....	....	5.99	....	1.10	....	13	....	....	....	....	Lockmaster.
Dam 13 O. R.	Ohio	605	7	....	....	....	....	....	....	....	5.70	....	1.05	....	14	....	....	....	....	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	2	....	....	....	....	....	....	....	5.38	....	0.92	....	14	....	....	....	....	Lockmaster.
Davis	Tucker	3,093	14	....	....	....	....	....	....	....	7.65	+2.81	1.60	9.5	17	13	1	17	w.	Ross C. Male.
Elizabeth	Wirt	646	11	....	....	....	....	....	....	....	5.07	+1.76	1.00	....	13	....	....	....	....	E. D. Ball.
Elkins	Randolph	1,947	22	41.7	+ 9.2	67	13	7	15	47	6.95	+3.53	1.54	5.5	16	6	8	17	w.	U. S. Weather Bureau.
Fairmont	Marion	883	17	41.7	+ 8.5	68	13	15	15	45	6.16	+2.80	1.07	0.5	14	16	0	15	w.	Creed E. Bolyard.
Glenville	Gilmer	738	29	43.6	+ 8.6	66	31	12	15	36	6.22	+2.53	1.14	2.2	13	7	9	15	w.	Howard R. Brannon.
Grafton	Taylor	1,000	30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	W. A. Williams.
Horner	Lewis	1,044	0	....	....	....	....	....	....	....	7.20	....	1.24	4.0	17	15	7	9	....	Thomas E. Miles.
Janelew (near)	Lewis	1,020	0	44.6	....	70	12	9	14†	53	6.26	....	1.30	1.5	16	13	4	14	sw.	Dan Burkholder.
Lost Creek	Harrison	1,026	25	43.6	+ 9.8	69	13	8	15	52	6.42	+2.93	1.55	2.0	17	12	3	16	w.	Allen Smith.
Mannington	Marion	974	20	42.7	+10.2	67	13	11	15	43	6.58	+3.06	0.98	4.2	19	10	4	17	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	30	41.6	+11.1	69	13	16	15	38	4.21	+1.09	0.65	T.	12	7	6	18	s.	Prof. E. L. Andrews.
Moundsville	Marshall	642	20	43.5^{a}	+10.4	70^{a}	12†	16	15	49^{a}	6.40	+3.11	1.30	0.5	13	10	16	5	nw.	T. E. Blake.
New Cumberland	Hancock	987	25	41.1	+10.3	64	13†	18	15	40	6.80	+4.17	1.40	T.	14	6	1	24	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	29	43.6	+ 8.8	68	13	14	15	39	6.80	+3.24	1.05	T.	18	11	3	17	s.	Wm. Ankrom.
Parkersburg	Wood	638	36	45.2	+10.0	65	13	20	15	38	5.36	+2.59	1.66	1.0	17	7	4	20	se.	U. S. Weather Bureau.
Parsons^{d}	Tucker	1,656	23	39.6	+ 8.4	60	8†	5	15	36	6.50	+2.71	....	2.0	....	9	1	17	....	J. W. Swisher.
Philippi	Barbour	1,149	26	45.0	+11.7	69	13	12	15	41	5.39	+1.56	1.16	1.5	14	12	6	13	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	20	39.8	+ 7.7	62	13	4	15	40	10.96	+5.76	1.67	16.0	15	12	6	13	sw.	Dr. J. L. Cunningham.
Roanoke	Lewis	1,050	0	....	....	....	....	....	....	....	7.07	....	2.22	2.0	16	....	....	....	....	Miss Mary A. Conrad.
Rowlesburg	Preston	1,375	36	....	....	....	....	....	....	....	8.04	+4.17	1.50	....	11	....	....	....	w.	J. F. Pierce.
Saint Marys	Pleasants	577	14	....	....	....	....	....	....	....	5.98	+2.48	1.23	0.5	17	....	....	....	sw.	Wm. Hughes.
Smithfield	Wetzel	835	17	42.7	+11.2	67	13	11	15	47	7.30	+3.22	1.13	1.5	15	11	4	16	se.	G. M. Whisler.
Terra Alta	Preston	2,612	22	37.7	+ 7.7	62	13	2	15	42	6.73	+1.57	1.31	11.6	19	10	6	15	w.	J. J. Shanahan.
Valley Chapel	Lewis	1,011	0	44.6	....	67	8	11	15	38	5.76	....	1.25	2.0	16	14	8	9	w.	J. C. Campbell.
Vandalia	Lewis	1,120	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	W. S. Linger.
Wellsburg	Brooke	1,225	22	42.4	+11.4	67	20	15	15	39	6.39	+3.32	1.47	T.	15	8	8	15	w.	George P. Pfister.
Weston^{b}	Lewis	1,026	27	45.6	+10.6	69	13	13	15	45	6.63	+2.93	1.55	1.0	15	8	6	15	....	Weston State Hospital.
Wheeling	Ohio	645	36	41.4	+ 9.5	65	13†	18	15†	41	6.36	+3.39	1.30	0.5	13	7	6	18	sw.	Miss M. B. Forsyth.
Averages and	extremes	....	....	43.1	+ 9.9	70	12†	0	15†	53	6.55	+3.02	2.22	3.2	15	10	6	15	w.	
Southern Division.																				
Bancroft	Putnam	574	19	40.0	+ 5.1	68	31	15	15	40	7.31	+3.96	1.09	5.0	17	6	5	20	nw.	E. H. Morrow.
Beckley	Raleigh	2,440	23	36.0^{c}	+ 2.6	61^{b}	21	8^{b}	15	37^{b}	4.20	+1.10	1.00	7.2	15	4	15	12	sw.	E. E. Phipps.
Bluefield	Mercer	2,558	28	48.2	+13.0	78	8	16	15	45	3.29	+0.38	1.57	3.0	10	8	12	11	....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	8	....	....	....	....	....	....	....	9.80	....	1.80	T.	9	3	0	28	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	20	46.7	+ 7.0	70	22	18	15	36	5.43	+2.11	0.95	0.2	14	13	1	17	w.	C. V. Lewis.
Clay	Clay	706	7	....	....	....	....	....	....	....	6.12	....	1.29	....	14	....	....	....	....	Ted Thomas.
Dam 19 O. R.	Wood	557	7	....	....	....	....	....	....	....	6.23	....	1.50	....	16	....	....	....	....	Lockmaster.
Dam 20 O. R.	Wood	551	7	....	....	....	....	....	....	....	5.48	....	1.17	....	17	....	....	....	....	Lockmaster.
Dam 26 O. R.	Mason	505	7	....	....	....	....	....	....	....	5.62	....	1.12	....	15	....	....	....	....	U. S. Engineer Office.
Gary	McDowell	1,426	7	43.8^{f}	....	72^{f}	9†	15^{f}	15	47^{m}	4.26	....	0.95	....	12	....	....	....	....	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	27	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	W. H. Gwinn.
Hinton	Summers	1,450	26	44.1	+ 9.2	74	9	16	15†	46	2.68	−0.12	0.70	0.5	10	10	1	20	s.	J. B. Lavender. C. E.
Huntington ††	Cabell	538	29	37.1^{a}	+ 2.7	60^{a}	7†	12	19†	35^{a}	6.18	+2.77	1.92	2.2	12	9	3	19	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	J. O. Brown.
Kayford	Kanawha	1,335	7	....	....	....	....	....	....	....	5.96	....	0.97	3.0	15	....	....	....	....	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	23	42.4	+10.2	66	13	11	15	37	2.99	+0.15	0.62	2.0	12	10	9	12	nw.	Geo. T. Argabate.
Logan^{d}	Logan	700	20	48.0	+ 9.1	68	8†	19	15	36	5.77	+1.19	1.45	1.5	12	6	4	17	....	Geo. R. Travis.
Marlinton	Pocahontas	2,131	24	36.6	+ 7.5	60	13	6	15	36	4.82	+1.26	1.24	1.0	14	8	10	13	sw.	S. L. Brown.
Organ Cave	Greenbrier	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	D. C. Humphreys.
Point Pleasant	Mason	553	30	....	....	....	....	....	....	....	6.60	+3.37	1.42	T.	14	6	2	23	ne.	Miss Grace E. Henson.
Powellton	Fayette	933	27	47.8^{i}	+11.3	71^{i}	13	15^{i}	15	44^{j}	....	....	....	T.	....	12^{h}	0^{h}	11^{h}	....	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Raleigh Coal & Coke Co.
Ravenswood (Dam 22)	Jackson	538	8	47.2^{i}	....	67	12	....	....	33^{i}	5.28	....	1.05	....	13	6	0	25	ne.	Lockmaster.
Robertsburg	Putnam	574	23	43.2	+ 9.2	68	9†	15	15	47	6.62	+3.16	1.15	0	15	14	0	17	....	M. Frazier.
Ryan	Roane	700	20	43.4^{b}	+ 9.5	70^{b}	13	9^{b}	15	41^{b}	6.95	+3.50	1.16	2.0	16	6	6	19	....	Wm. E. Ryan.
Sharples	Logan	....	3	....	....	....	....	....	....	....	6.20	....	1.30	....	11	....	....	....	....	F. H. Locke.
Spencer	Roane	784	19	44.4	+ 9.9	66	13	12	15	45	6.41	+3.04	1.00	2.7	13	5	6	20	....	A. M. McKown.
Sutton	Braxton	839	17	42.8	+ 9.2	67	21†	10	15	38	6.59	+2.65	1.22	3.0	15	14	0	17	....	C. B. Eakle.
Union^{f}	Monroe	2,250	19	43.1	+11.2	68	13	11	15	41	4.08	+1.56	1.00	0.2	10	9	2	14	....	W. M. H. Young.
White Sulphur Springs	Greenbrier ††	1,940	13	39.2	+ 8.4	69	12	8	14	48	1.30	−1.86	0.68	....	11	19	0	12	....	E. J. Comar.
Williamson	Mingo	660	23	43.2	+ 6.3	68	13	22	15†	37	6.07	+2.23	1.46	0	14	9	5	17	w.	J. F. Keyser.
Averages and	extremes	....	....	43.6	+ 8.7	78	8	6	15	49	5.66	+2.04	1.80	1.7	13	8	5	18	w.	
State averages and	extremes	....	....	43.1	+ 9.5	78	8	0	15†	55	5.82	+2.35	2.22	2.4	14	11	5	15	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

Daily Precipitation for December, 1923.

Stations.	Drainage-basin.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac	T.					.38	T.		.11	.33	.11	T.	.11	.15						T.	.16	.43	.70	.07	.21	.06	.16	.98		.14	1.12	5.22
Brandywine	do				*	.50	T.				.10				.10							T.		.10		T.	T	.30			.15	.25	1.50
Burlington	do				1.10	.10	T.																.40					.50			T.	.60	2.70
Harpers Ferry ‖	do	.19				.86	.15				.05	.06			.07								.15	.35	.14				.26			.93	3.21
Inwood	do																																......
Martinsburg	do				.93	.37	.10			.07	.03			.08								.35	.52	.31		.03	T.	.45			.82	.06	4.12
Moorefield	do				.08	.15																.15		.25					.35		T	.70	1.98
Piedmont	do				.29	.75	.28			.08	.03			.08									.14	.15		.02	.03	.12	1.45		T.	.98	4.00
Romney	do					.72	.21	.12			.01	.10		T.								T.	.27	.27					.47			.70	2.87
Stony River Dam ‖	do					.67	.12	.16		.11	.33	.10			.13							.10	.25	.70	.25		.08		1.40			1.01	5.41
Upper Tract	do					.20	.10																			T.						.70	1.00
Wardensville ‖	do																																....
Northern Division.																																	
Bens Run	Ohio				.36	.34	.04			.22		.69		.44	.24						.24	.10	1.00	.44		.15		.28			.45	1.05	6.04
Benson	Monongahela				.12	.46	.42			.04	.21	.06		.34	.41						T.	.09	.55	.73	.18	.10	.02	.33	.52		.02	1.70	6.30
Brownsville	do				.05	.37	.50	T.		T.	.30	.14		.32	.50							.15	.53	.72	.15	.06	T.	.42	.48		.09	1.23	6.01
Bruceton Mills ‖	do	.12				.51	.26			.22	.26	.47		.25	.28						.20	.37	.53	1.02	.15	.04		.58	.39		.15	.76	6.56
Buckhannon	do				.17	.22	.42			.24	.20			1.05	.30							.22	.54	1.05	.10	.10		.65	.70		.65	1.00	7.61
Cairo	Little Kanawha				1.04		.18			.50	.06			.82												1.55			.70			1.65	6.80
Cheat Bridge ‖	Monongahela				.34		.45	.17	.16	.02	.41	.30			.52	.16					.40		.23	.85	.30		.16	.01	1.24		1.00	1.32	8.04
Clarksburg	do				.03	.50	.50	.02		.09	.20	.09		.32	.26						T.	.06	.33	.91	.07	.10		.23	.33		.05	1.45	5.54
Cortland ‖	do	.72				.48								.32	.16							.60	.90	.50	.08	.56		1.51			1.45	1.40	8.68
Crawford	do				.03	.45	.50			.13	.34	.13		.12	.79						.02	.34		.05	1.95	.10		.44	.10		.15	1.28	6.95
Creston	Little Kanawha					.62	.20	.28			.38	.10			.72							.30	.40	.72	.25		.15	.10	.52		.09	1.22	6.05
Dam 10, Mon. R. ‖	Monongahela					.48	.05	.75			.30	.40			.51							.30	.33	.76	.12		.15		.67			.78	5.61
Dam 12, O. R. ‖	Ohio					.52	.35	.49			.60	.15			.30						T.	.30	1.10	.70	.10		.03		.55			.80	5.99
Dam 13, O. R. ‖	do					.58	.40	.39			.68	.16		.02	.38							.19	1.05	.85	.05		.04		.41			.50	5.70
Dam 15, Mon. R. ‖	Monongahela					.48	.12	.45			.52	.26			.42							.18	.32	.52	.45		.08	.05	.73			.92	5.38
Davis ‖	do	.02		.02		.68	.08	.32		.06	.55	.21			.23							.22	.26	1.38	.52		.16		1.60		.14	1.20	7.65
Elizabeth ‖	Little Kanawha					.62	.24	.15			.36				.67							.14	.30	.58			.25	.15	.55		.06	1.00	5.07
Elkins ***	Monongahela		T.		.44	T.	.27			.31	.33	.06		.48	.06						T.	.23	.35	1.08	.07	.11		.79	.75		.22	1.40	6.95
Fairmont ‖	do					.50	.12	.52			.40	.17			.67	T.						.17	.33	.64	.43		.14	.01	1.07		T.	.99	6.16
Glenville ‖	Little Kanawha					.57	.23	.27			.33				.86							.20	.37	.97	.34	T.		.06	.76		.12	1.14	6.22
Grafton ‖	Monongahela																																......
Horner	do				.13	.25	.60			.16	.38	.68		.54	.30							.28	.66	.53	.22	.12		.56	.50		.05	1.24	7.20
Janelew (near)	do				.39	.47				.24	.10		.30	.49							.20	.49	.70	.15	.09		.33	.63		.13	1.30	.25	6.26
Lost Creek	do				.06	.60	.58	T.		.04	.22	.12		.51	.48						T.	.11	.40	.79	.10	.16	T.	.35	.31		.01	1.55	6.42
Mannington	do				.07	.44	.88			.16	.20	.36		.31	.30						.14	.14	.83	.77	.06	.15	.02	.15	.53		.09	.98	6.55
Morgantown	do				T.	.32	.48			.19	.10			.65	T.						.30	.10	.62	.65	T.	T.		.12			.05	.63	4.21
Moundsville ‖	Ohio					.60	.50	.35			.55	.30			.30							.15	1.30	.85	.10		.10		.50			.80	6.40
New Cumberland ‖	do				.02	.78	.82	.62		.29	.57	.11			.18							.15	1.40	.59			.10		.55			.62	6.80
New Martinsville	do				.20	.20	1.05		.55	.35	.15	.20		.40	.10						.30	.15	.80	.50		.20		.30	.40		.10	.85	6.80
Parkersburg ***	Ohio				.55	.04	.22			.31	.02		.01	.40	T.						.18	.24	.90	.06	.01	.15		.28	.29		.06	1.64	5.36
Parsons	Monongahela				*	*	.18	*	*	*	1.80			*	*							*	*	*	*			*	*	*	*		6.50
Philippi	do				.15		.26			.07	.27			.80	.15						T	.30	.45	.74		.12		.34	.48		.10	1.16	5.39
Pickens	do				.37		.30			1.07		.95		.60	.32							.57	.71	1.44	.20	.32		1.59	.68		.17	1.67	10.96
Roanoke	do				.13	.27				.13	.34	.23		.42	.49							.18	.54	1.04	.23	.10		.17		.48	.10	2.22	7.07
Rowlesburg ‖	do					.45		.64			.63	.25			1.00								.37	1.50	.50		.20		1.00			1.50	8.04
Saint Marys ‖	Ohio					.60	.30	.33	T	.18	.34	.04		.01	.58							.33	.43	.60	.10		.15	.05	.65		.06	1.23	5.98
Smithfield ‖	Fishing Creek					.62	.45	.61			.58	.01			.24							.35	.75	1.13	.12	T.	.13	.02	1.12		.10	1.07	7.30
Terra Alta	Monongahela			.01	.03	.53	.20			.27	.38			.37	.07						.02	.27	.46	1.31	.14	.04	.03	.24	1.00		.13	1.23	6.73
Valley Chapel	do					.57	.40			.15			.43	.05	.32						.01	.21	.42	.86	.10	.10		.43	.40		.06	1.25	5.76
Vandalia	do																																......
Wellsburg	Ohio					.47	1.02			.62	.06	.25		.30	T.	T.				.12	.08	1.47	.61			.03		.20	.45		.18	.53	6.39
Weston	Monongahela				.06	.40	.60			.04	.28			.50	.33						.32	.20	.20	.74	.25	*	*	.64	.52			1.55	6.63
Wheeling ‖	Ohio				T.	.68	.42	.51			.61	.15		T.	.39						T.	.14	1.30	.71	.10	T.	.03		.59			.73	6.36
Southern Division.																																	
Bancroft ‖	Great Kanawha					.51	.80	.19		.11	.47	.17		.95	.24							.11	.41	.98	.10		.12	.08	.77		.21	1.09	7.31
Beckley	do				.18	.37	.28							.32	.20				.18	.27			.26	.17	.23	.12			.27	.16	.24	1.00	4.29
Bluefield	do				.20	T.	.30			.07	T.			T.	.11							.02	.04	.25	T			.50	.23			1.57	3.29
Camden-on-Gauley ‖	do				.80		T.	T.		1.00	1.10			.80	T.	T.						1.00	1.20	1.00	T.			1.80			1.10		9.80
Charleston ‖	do					.46	.25	.23		.02	.35	.40			.40							.10	.95	.45	.75			.08	.40			.65	5.43
Clay ‖	do					.38	.70	.24			.70	.20			.30							.18	.35	.67	.20		.08		.70		.13	1.29	6.12
Dam 19 O. R. ‖	Ohio					.72	.20	.18		T.	.41	.02		.02	.26						T.	.48	.66	.71	.11		.20	.08	.62		.06	1.50	6.23
Dam 20 O. R. ‖	do					.68	.25	.21		.05	.30	.03		.03	.53							.25	.40	.68	.12		.20	.09	.42		.07	1.17	5.48
Dam 26 O. R. ‖	do					.57	1.12	.09		.03	.40	.03			.43							.25	.30	.65	.10			.10	.35		.25	.95	5.62
ary ‖	Big Sandy					.20	.95	.02			.10	.15			.65						.02		.02		.55			.20	.70			.70	4.26
reen Sulpr. Spgs.	do																																......
inton	do					.52	.40	T.			.04				.34	T.						T.	.08	.18	.06		T.	.10	.70		T.	.26	2.68
untington ‖	Ohio					.54	1.64			.38	.44	.02		T	.84							.02	.28	.92	.14		.04	.12	.46		.16	1.16	7.06
anawha Falls ‖	Great Kanawha																																......
ayford	do					.31	.97	.22			.30	.29			.94							.17	.52	.36	.20		.05	.08	.86		.05	.64	5.96
ewisburg	do				.20	.47	.19				.02				.09							.21	.10	.24		.03		.53	.29			.62	2.99
ogan	Guyandotte				.20	.10	.20			.20	.50	.40		.20	.12							.90		*	*	*		1.10	.40			1.45	5.77
arlinton	Great Kanawha				1.12	.12	.32			.20	.03			.13	T.						T.	.23	.42	.28		.05		.52	.46		.36	.58	4.82
gan Cave	do																																......
oint Pleasant	Ohio					.62	1.42	.20			.50	.10			.50							.90	.36	.65	.12			.14	.35		.10	.64	6.60
wellton	Great Kanawha				.08	.20	.11				*	*	.47		T							.95											†††
leigh	do																																......
venswood (Dam 22	Ohio					.50	.10	.20			.44				.41							.30	.40	1.05	.20			.10	.80		.10	.65	5.28
bertsburg ‖	Great Kanawha					.61	1.05	.17			.41	.03			.57							.21	.46	.96	.08		.07	.10	.45		.30	1.15	6.62
an	do				.22	.47	.45			.25	.35			.90	.20						T.	.36	.38	1.02	.03	.05		.41	.35		.35	1.16	6.95
arples ‖	Coal River					.30	1.30	.20						.30	.35							.55	.35	.30			.40		1.25			.90	6.20
encer ‖	Little Kanawha					.60	.26	.36		T.		.50			.24							.51	1.00	.96	.15			.12	.53		.22	.96	6.41
tton	Great Kanawha				.18	.28	.51				.38	.20		.14	.52					T.	T.	.30	.32	1.22	.12	.15		.85			.26	1.16	6.59
ion	do				.12	.56	.15				.05				1.00	.02							.45					.64	.21			.88	4.08
ite Sulpr. Spgs ‖	do				.68	.19	.11														.01	.04	.05	.02			.05	.05			.05	.05	1.30
lliamson ‖	Big Sandy					.36	1.46	T.		.20	.06	.16			.90							.47	.70	.41	.04			.03	.63		.05	.60	6.07

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

††† Probably incomplete.

Daily Temperatures for December, 1923.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	42	49	47	52	49	46	42	57	57	57	55	61	65	51	37	41	41	48	57	58	58	57	55	47	34	34	34	55	41	40	61	49.3
	Minimum	35	22	36	26	44	31	29	23	53	52	33	26	32	16	3	22	28	23	18	30	49	47	42	26	26	24	24	31	25	23	31	29.7
Brandywine	Maximum	50	54	53	48	50	45	46	65	60	60	55	59	63	60	33	47	45	42	52	61	60	61	60	52	45	50	55	52	50	54	55	53.0
	Minimum	35	24	36	25	35	34	25	29	37	45	35	15	37	20	7	22	19	18	21	37	38	37	40	32	20	24	25	37	24	35	39	29.3
Burlington	Maximum	54	53	63	49	48	48	61	69	69	70	59	65	75	58	45	58	59	56	56	62	66	63	63	55	42	52	45	56	55	48	59	57.5
	Minimum	24	21	37	29	44	38	37	30	56	52	42	21	35	21	14	21	32	26	20	32	41	51	51	35	27	32	30	35	32	27	27	32.9
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Martinsburg§	Maximum	44	49	52	48	45	47	45	57	60	58	57	52	55	35	35	48	54	52	52	58	62	60	55	48	48	48	45	38	45	42	48	49.7
	Minimum	27	30	30	33	40	38	35	39	41	46	26	27	29	18	19	28	31	24	25	36	47	48	36	30	33	31	31	34	31	35	30	32.5
Moorfield	Maximum	50	64	59	56	51	48	57	70	69	67	62	58	75	72	65	57	54	53	53	69	67	65	64	57	52	50	46	55	55	52	63	59.2
	Minimum	38	21	30	24	39	36	27	29	47	46	38	15	29	22	10	19	26	20	15	25	25	45	48	31	20	16	27	30	28	21	31	28.3
Piedmont	Maximum	44	54	48	46	46	43	48	64	61	56	51	50	71	41	35	49	44	42	48	60	62	64	58	45	41	40	36	54	47	37	56	49.7
	Minimum	37	26	37	31	42	36	36	30	45	48	34	24	35	23	15	24	23	26	22	34	54	52	44	32	26	30	30	32	30	29	35	33.0
Romney	Maximum	46	58	....	49	49	55	45	68	66	....	51	71	74	34	....	55	49	....	53	....	....	....	....	....	63	45	52	49	51	43	....	53.6
	Minimum	41	22	31	....	28	36	30	29	33	47	....	19	33	24	13	....	33	23	....	....	....	....	....	....	....	27	27	32	30	26	33	29.4
Upper Tract	Maximum	....	51	53	53	52	48	58	63	....	....	60	63	60	58	46	50	50	50	53	65	65	63	65	60	55	55	56	59	60	60	60	56.9
	Minimum	....	30	30	31	30	35	31	31	....	....	21	20	20	18	10	15	24	21	21	23	40	48	50	53	32	27	28	20	20	22	30	27.9
Northern Division.																																	
Bens Run	Maximum	46	48	55	56	59	58	51	69	63	62	57	63	56	35	38	48	43	47	51	58	64	60	59	46	39	46	48	59	50	47	65	53.2
	Minimum	41	29	35	49	49	35	32	41	56	50	31	25	25	24	18	26	24	28	26	40	49	48	45	32	30	30	37	38	30	32	43	35.4
Buckhannon	Maximum	43	52	51	55	59	55	50	60	60	60	57	62	67	37	38	43	43	45	57	61	60	60	57	42	36	40	49	57	40	58	62	52.1
	Minimum	40	25	38	32	49	33	32	40	56	55	33	22	37	21	11	23	23	23	23	27	53	57	40	31	27	27	35	37	23	40	55	34.5
Cairo	Maximum	48	50	53	58	59	55	49	63	61	61	60	62	67	32	37	46	44	50	54	60	60	60	60	59	39	43	50	60	48	56	64	53.8
	Minimum	40	30	40	40	50	35	27	31	52	54	35	17	30	23	12	19	18	22	21	38	49	52	45	31	24	25	30	35	22	26	48	32.9
Clarksburg	Maximum	52	52	52	53	59	59	51	61	63	62	61	66	69	45	36	47	46	55	62	61	61	61	60	53	45	43	50	48	49	60	[illegible]	55.1
	Minimum	40	26	34	33	48	34	34	31	58	55	36	21	44	24	14	25	21	23	21	36	55	52	48	32	29	26	34	42	28	28	[illegible]	35.1
Creston	Maximum	47	52	55	56	61	57	51	65	64	62	60	68	69	40	40	50	50	50	56	61	60	61	60	48	40	47	50	62	52	64	67	55.6
	Minimum	40	25	39	34	49	34	29	34	56	55	37	20	39	24	13	21	20	22	23	48	50	51	47	37	29	27	37	40	24	28	47	34.8
Elkins	Maximum	40	54	52	53	58	51	48	62	62	59	45	66	67	25	42	47	45	53	59	61	58	60	58	36	36	40	57	61	46	60	62	52.4
	Minimum	27	24	32	30	49	32	32	32	55	45	26	19	25	15	7	24	26	22	22	35	54	52	36	28	28	27	32	32	29	24	41	31.0
Fairmont§	Maximum	51	53	49	57	56	36	51	60	60	60	48	62	68	30	35	46	42	50	55	59	58	58	55	44	35	43	57	46	46	59	62	51.3
	Minimum	40	33	30	34	35	33	32	33	51	54	36	24	23	22	15	16	26	26	25	24	45	53	54	31	29	28	26	26	28	28	35	32.1
Glenville	Maximum	44	51	51	51	55	58	46	63	63	62	65	53	52	39	32	51	50	37	45	55	58	61	59	53	51	50	50	49	53	62	66	52.7
	Minimum	41	28	38	35	49	36	31	33	58	55	35	21	37	24	12	22	29	23	23	35	50	42	50	34	35	25	36	44	24	26	47	34.5
Lost Creek	Maximum	48	51	54	56	58	54	50	62	62	60	58	66	69	54	47	47	48	54	60	61	60	59	57	49	39	45	48	58	49	60	64	55.1
	Minimum	38	22	32	29	46	32	31	35	56	55	32	14	42	21	8	22	18	20	18	34	49	50	46	30	25	24	31	41	25	22	50	32.2
Mannington	Maximum	44	50	50	58	57	55	48	60	62	61	59	62	67	39	36	45	43	49	51	60	59	59	58	45	37	41	48	59	47	51	63	52.4
	Minimum	40	25	33	35	47	34	33	34	52	55	31	19	39	23	11	21	21	25	20	34	48	52	45	30	25	25	31	38	26	26	42	33.0
Morgantown	Maximum	43	50	49	59	56	51	48	59	61	60	58	63	69	41	40	46	43	52	57	62	60	58	57	45	36	42	48	58	47	60	63	52.9
	Minimum	39	30	35	38	47	32	33	42	56	55	32	25	32	21	16	31	28	27	38	46	53	53	44	29	30	28	34	35	28	32	52	36.2
New Cumberland§	Maximum	44	46	47	57	55	45	52	61	53	56	41	62	64	31	35	48	41	44	50	56	57	53	51	42	39	41	59	42	45	57	64	49.7
	Minimum	39	31	31	31	40	42	35	35	50	45	30	23	24	24	18	19	26	26	25	25	45	45	47	29	30	29	29	37	30	30	37	32.5
New Martinsville	Maximum	56	54	55	58	60	60	52	67	65	65	61	60	68	43	37	47	47	57	57	59	58	60	60	48	39	42	50	50	47	45	67	54.6
	Minimum	42	34	31	38	47	35	30	42	55	48	32	21	29	23	14	22	22	25	21	32	48	50	42	30	26	25	33	25	25	28	40	32.7
Parkersburg	Maximum	46	49	55	55	58	53	50	64	62	60	48	63	65	33	39	50	47	56	58	60	61	61	58	43	39	47	58	59	51	63	65	51.1
	Minimum	38	31	41	42	51	35	34	46	56	44	30	25	29	23	20	28	26	30	29	47	53	55	39	33	34	32	39	36	32	34	33	36.3
Parsons	Maximum	....	....	57	....	57	47	45	60	60	59	45	52	46	46	39	41	45	47	52	54	56	58	56	53	54	58	54	54	50	60	....	52.0
	Minimum	....	....	47	....	35	25	28	25	37	37	23	16	24	21	5	20	21	21	18	20	25	28	38	22	21	35	40	37	22	47	....	27.3
Philippi	Maximum	42	54	52	57	59	55	47	64	61	59	58	66	69	39	45	45	45	55	62	62	59	60	58	46	45	41	56	60	47	63	64	54.7
	Minimum	28	27	38	36	48	32	32	42	55	55	35	25	37	20	12	28	26	26	32	46	52	55	45	29	27	27	32	38	27	33	51	35.4
Pickens	Maximum	42	50	50	53	56	53	42	56	57	57	54	60	62	30	41	43	42	54	60	60	58	57	55	39	31	36	53	56	53	56	58	50.8
	Minimum	27	25	29	30	42	28	23	38	49	50	26	20	28	5	4	18	18	29	28	38	48	50	36	22	20	20	29	30	21	25	45	28.8
Terra Alta	Maximum	36	48	43	50	46	41	39	53	53	53	53	59	62	37	33	38	37	50	52	54	54	54	53	41	30	33	35	42	38	41	57	45.6
	Minimum	33	26	32	26	39	29	27	30	52	51	27	17	37	14	2	23	26	22	20	33	50	51	41	23	25	21	25	33	23	26	40	29.8
Wellsburg	Maximum	48	45	46	47	57	57	45	59	60	60	55	58	57	35	34	46	45	45	46	67	65	53	46	45	38	40	45	58	45	41	63	50.1
	Minimum	40	38	39	38	44	38	38	45	50	50	30	19	34	24	15	25	24	20	35	42	52	45	35	29	30	30	31	35	29	30	39	34.6
Weston	Maximum	46	50	52	51	59	58	48	62	61	61	60	67	69	46	35	46	46	49	54	61	59	59	58	48	....	....	56	59	49	62	63	54.8
	Minimum	40	27	38	32	48	33	33	39	61	55	37	22	46	23	13	27	22	24	25	47	51	55	47	32	....	....	28	41	28	27	52	36.3
Wheeling§	Maximum	40	40	49	58	57	45	52	60	60	56	50	61	65	36	37	51	46	50	54	59	59	55	54	45	37	45	58	42	44	57	65	51.2
	Minimum	39	29	30	30	40	38	32	32	49	50	30	22	24	23	18	18	26	26	23	24	42	45	45	29	29	27	28	38	27	28	35	31.5
Southern Division.																																	
Bluefield	Maximum	55	53	63	63	65	62	60	78	76	75	58	68	70	59	47	68	62	64	57	71	66	67	69	55	45	53	53	62	60	68	65	62.5
	Minimum	31	30	43	37	37	31	26	38	37	35	38	23	41	18	16	30	27	24	28	35	49	54	40	31	30	28	36	40	31	40	44	33.9
Charleston	Maximum	55	54	54	56	65	55	64	68	64	68	61	62	68	50	54	54	50	56	54	60	63	70	65	60	61	64	61	63	55	60	61	59.8
	Minimum	40	32	34	35	40	35	30	32	33	38	41	29	40	24	18	22	24	25	29	32	40	54	55	33	32	30	31	40	29	32	33	33.6
Gary §	Maximum	....	55	60	55	61	35	52	....	72	59	51	69	72	32	....	57	54	60	53	65	64	....	67	....	45	51	64	54	....	65	62	57.5
	Minimum	41	....	29	37	38	32	25	29	....	34	43	25	25	22	15	....	16	22	24	21	39	50	....	34	....	28	29	44	25	....	25	30.2
Hinton §	Maximum	59	54	65	51	51	40	57	71	74	62	57	59	71	38	44	59	58	59	50	68	69	65	64	46	45	56	54	57	59	52	50	57.0
	Minimum	41	32	31	36	36	35	30	28	28	49	42	26	26	24	16	16	22	21	22	24	38	49	50	36	33	29	29	37	25	25	32	31.2
Huntington §	Maximum	62	53	55	58	50	48	60	60	47	35	51	45	44	52	38	42	47	25	28	45	42	42	42	46	54	39	51	41	35	44	....	46.0
	Minimum	31	38	38	39	39	25	25	47	33	28	27	28	16	17	33	25	28	25	12	12	17	25	30	27	27	27	32	39	30	25	25	28.2
Lewisburg	Maximum	44	49	56	51	50	48	48	61	62	59	57	55	66	49	38	51	52	54	49	62	61	61	58	50	40	41	42	59	50	52	56	52.7
	Minimum	37	24	41	31	43	32	28	24	42	50	38	18	38	19	11	23	26	19	21	36	50	49	49	32	25	28	32	37	21	25	40	32.0
Logan	Maximum	50	53	60	62	63	60	51	68	66	68	64	58	62	52	45	50	53	58	55	58	62	57	....	....	....	....	64	62	57	65	67	58.9
	Minimum	44	34	45	44	42	30	25	32	53	56	43	46	48	26	19	31	26	27	31	33	40	28	....	....	....	....	55	45	28	33	54	37.1
Marlinton	Maximum	42	48	48	40	48	46	40	56	58	56	50	50	60	40	32	46	41	46	46	56	54	56	54	38	34	38	38	54	42	42	52	46.9
	Minimum	28	22	34	24	40	30	22	20	38	46	28	14	30	16	6	16	22	14	16	28	44	44	36	20	16	24	32	34	18	18	32	26.2
Point Pleasant	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Powellton	Maximum	....	....	57	57	59	60	52	61	....	66	62	55	71	....	....	....	66	41	47	65	58	51	....	64	....	58	65	63	....	63	69	59.7
	Minimum	....	....	28	34	39	35	29	35	....	40	39	25	....	....	15	....	22	22	27	37	41	35	....	50	....	40	51	46	....	45	53	35.8
Ravenswood	Maximum	47	48	46	55	58	55	52	61	63	62	62	67	62	37	41	51	47	58	59	56	61	61	59	46	42	47	50	61	53	62	62	54.5
	Minimum	40	40	38	27	50	35	33	40	55	54	....	....	....	....	....	....	....	....	....	48	56	59	45	37	37	28	38	37	25	29	24	40.0
Robertsburg§	Maximum	49	52	58	53	57	40	52	65	68	65	50	68	68	42	39	52	50	60	57	62	64	61	55	41	42	50	62	49	54	65	68	55.5
	Minimum	40	26	29	32	33	32	28	32	47	53	38	21	23	20	15	17	20	19	22	26	43	52	52	34	27	25	37	31	24	26	36	30.8
Ryan	Maximum	47	54	56	56	60	55	51	68	60	64	....	....	70	35	41	50	50	57	58	64	60	62	62	55	38	48	52	60	55	64	65	55.8
	Minimum	35	26	36	27	46	32	25	28	48	52	....	....	32	20	9	17	17	17	19	34	46	54	45	30	22	22	34	40	19	23	46	30.9
Spencer §	Maximum	44	49	54	55	56	47	50	64	61	62	47	65	66	43	38	49	46	53	57	57	61	59	51	41	45	46	60	60	60	62	63	53.9
	Minimum	40	25	34	32	36	34	34	32	50	51	37	20	47	23	12	23	20	21	23	48	50	52	51	34	26	28	40	41	25	41	53	35.0
Union	Maximum	55	....	56	56	53	53	48	61	....	64	63	55	68	66	38	....	56	52	53	65	65	63	....	....	65	44	45	60	50	....	60	56.6
	Minimum	36	....	23	31	44	31	28	24	..	44	39	18	40	19	11	....	20	20	22	31	48	45	....	....	23	28	32	38	23	..	21	29.6
White Sulphur Spgs§	Maximum	51	55	59	51	39	49	62	62	61	55	57	69	40	37	51	52	54	51	67	62	63	57	50	44	47	60	56	49	55	56	27	53.0
	Minimum	26	28	31	36	33	28	22	27	48	41	17	21	22	8	14	28	17	19	23	39	48	40	25	20	13	22	25	12	11	24	24	25.5
Williamson §	Maximum	50	52	57	55	55	40	38	65	62	63	49	59	68	30	28	48	48	48	52	55	56	60	55	40	44	47	63	52	49	62	62	52.0
	Minimum	40	33	33	42	42	35	32	32	38	54	43	31	31	27	22	22	23	28	25	29	40	47	54	37	32	30	31	43	29	29	31	34.5

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXXI. Parkersburg, W. Va., Year, 1923. No. 13.

GENERAL SUMMARY.

The year 1923 averaged slightly cooler and considerably wetter than usual. The snowfall, however, was much below the normal.

January, June, and September averaged moderately warm and the temperature for December was more than 9° above the normal. The monthly averages were deficient in February, March, April and May, May being especially cool. July and October were also cool, while the averages for August and November were slightly below the normal.

The months of early growth were dry, especially May, but from June to September, inclusive, the averages were slightly above the normal. October was dry, but December was decidedly wet.

The conditions were somewhat unfavorable for growth, owing to cool weather in May and October and to a long drought over the eastern counties. Heavy local rains also caused considerable damage.

The season of growth in most of the agricultural counties extended from May 10 to October 5, being nearly the average length.

The average cloudiness was below the normal. The sunshine at Parkersburg averaged 53 per cent of the possible amount, or 6 per cent above the normal. The average at Elkins was 51 per cent or 6 per cent above the normal.

The wind movement at Parkersburg was 48,367 miles and at Elkins 48,016 miles.

THE WEATHER BY MONTHS.

January.—January was a warm and rainy month, favorable for outdoor work and the wintering of stock. A temperature of zero occurred at but one station. The snowfall was generally unimportant, the ground being bare in most of the agricultural districts nearly the entire month.

February.—February was continuously cold after the 3d and the rainfall was somewhat in excess. The snowfall was again light and the conditions were unfavorable for winter grains, owing to the lack of snow-cover during periods of low temperatures. The rainfall was somewhat in excess.

March.—March was also cold, but somewhat drier than usual, with ample sunshine. It was the third consecutive month with light snowfall. The rivers were only at moderate stages. The conditions were excellent for fruit trees, as fruit buds were practically dormant at the close of the month. Low temperature during the last two decades, however, caused some damage to winter grains.

April.—April was nearly continuously cold and the lowest temperature of April State record, 4 degrees below zero, occurred on the 1st. Owing to the lateness of the season and the favorable conditions in March, the cold weather caused but little damage to fruit, except in the extreme eastern counties, where bloom was killed in many localities. The month was exceptionally sunshiny.

Continued on page 51.

TEMPERATURE AND PRECIPITATION DATA FOR 1923.

Month.	Temperature in degrees Fahrenheit. Mean.	Departure.	Highest.	Lowest.	Precipitation in inches. Average.	Departure.	Greatest local amount.	Number of rainy days.	Sky. Clear.	Pt. Cloudy.	Cloudy.	Prevailing direction of the wind.
nuary	35.2	+3.0	68	−1	4.46	+0.64	7.60	14	7	5	19	w.
bruary	30.4	−1.5	70	−20	3.68	+0.70	7.38	12	7	5	16	w.
arch	41.7	−0.8	82	−4	3.23	−0.61	5.50	10	15	5	11	w.
pril	50.1	−1.2	88	−4	3.45	−0.10	6.08	8	16	5	9	w.
ay	59.7	−2.2	93	21	2.58	−1.30	5.33	8	16	6	9	w.
ne	70.2	+1.3	102	35	4.54	+0.27	10.37	11	16	7	7	w.
ly	71.7	−1.2	100	37	4.70	+0.12	9.46	10	16	8	7	w.
gust	71.0	−0.7	99	33	4.39	+0.52	12.42	10	15	8	8	w.
ptember	66.5	+0.8	96	29	3.31	+0.40	5.36	7	16	8	6	w.
tober	52.1	−2.8	93	12	1.39	−1.56	2.41	6	19	5	7	nw.
vember	42.3	−0.4	73	10	3.49	+0.81	5.35	11	13	3	14	w.
cember	43.1	+9.5	78	0	5.82	+2.35	10.96	14	11	5	15	w.
nual	52.8	+3.8	102	−20	45.04	+2.27	12.42	121	167	70	128	w.

EVAPORATION.

Monthly evaporation [inches]; wind movement [miles].

Name of Station.		June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Clarksburg	Evaporation	6.011	5.530	5.235	3.395	2.221	1.101	0.899
	Wind Movement	1,569	1,111	1.210	927	1,338	1,463	1,900

Station established June 1, 1923.

Dates on which First and Last Killing Frost Occurred or Minimum Temperature Fell to 32 Degrees.

Station.	Last in Spring.	First in Autumn.	Station.	Last in Spring.	First in Autumn.
Bancroft	May 10	Oct. 23	Martinsburg	May 10	Oct. 7
Bayard	May 25	Sept. 15	Moorefield	....	Oct. 6
Beckley	May 11	Oct. 3	Morgantown	May 10	Oct. 5
Benson	....	Oct. 5	Moundsville	May 10	Oct. 6
Bens Run	April 18	Nov. 1	New Cumberland	May 10	Oct. 22
Bluefield	May 11	Oct. 9	New Martinsville	May 11	Oct. 8
Brandywine	May 14	Oct. 4	Parkersburg	April 11	Nov. 1
Brownsville	....	Oct. 5	Parsons	May 18	Oct. 5
Buckhannon	May 10	Oct. 5	Philippi	May 10	Oct. 5
Burlington	May 25	Oct. 5	Piedmont	May 10	Oct. 5
Cairo	May 10	Oct. 5	Pickens	May 14	Sept. 16
Charleston	May 10	Oct. 23	Point Pleasant	April 11	Oct. 21
Cheat Bridge	May 18	Sept. 16	Powellton	May 10	Oct. 22
Clarksburg	May 10	Oct. 6	Ravenswood	May 10	Oct. 6
Creston	April 25	Oct. 5	Robertsburg	April 18	Oct. 6
Elkins	April 12	Oct. 6	Romney	May 11	Oct. 5
Fairmont	May 10	Oct. 21	Ryan	May 11	Oct. 5
Gary	April 11	Oct. 21	Smithfield	May 11	Oct. 5
Glenville	May 10	Oct. 8	Spencer	May 10	Oct. 5
Grafton	May 11	....	Sutton	May 10	Oct. 6
Green Sulphur Springs	May 11	....	Terra Alta	May 21	Sept. 15
Hinton	May 10	Oct. 21	Union	May 11	Oct. 8
Huntington	April 10	Nov. 2	Upper Tract	May 12	Oct. 5
Inwood	April 26	Oct. 8	Valley Chapel	....	Oct. 9
Janelew	....	Oct. 5	Wellsburg	May 11	Oct. 5
Lewisburg	May 10	Oct. 6	Weston	May 10	Oct. 6
Lost Creek	May 11	Oct. 5	Wheeling	May 10	Oct. 5
Mannington	May 11	Oct. 5	White Sulphur Springs	May 10	Oct. 6
Marlinton	May 18	Oct. 5	Williamson	April 11	Oct. 23

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA.

Year.	Temperature. State mean.	Highest.	Lowest.	Precipitation. State average.	Greatest local amount.	Average snowfall.	Number of days. With precip. 01 inch or more.	Clear.	Partly Cloudy.	Cloudy.
1891	52.0	......	......	45.96	......	......	......	......	......	......
1892	52.1	99	−12	38.33	7.20	......	......	......	......	......
1893	52.0	99	−25	39.82	7.85	......	116	......	......	......
1894	53.5	103	−29	34.52	7.48	......	102	155	114	96
1895	51.5	107	−21	32.82	7.69	......	100	150	111	104
1896	53.6	97	−10	43.49	15.70	......	111	132	128	106
1897	53.5	103	−18	41.59	8.42	......	116	141	113	111
1898	54.8	103	−13	47.61	11.57	20.6	117	133	129	103
1899	53.2	100	−35	40.97	8.64	36.1	108	142	107	116
1900	54.1	104	−11	37.62	9.00	30.6	114	135	116	114
1901	52.1	104	−11	44.78	11.10	28.2	116	128	95	142
1902	52.8	104	−14	42.19	9.95	49.1	112	128	118	119
1903	52.0	105	−19	40.55	12.30	29.3	112	151	102	112
1904	50.9	98	−20	33.33	8.29	31.7	111	148	110	108
1905	52.3	100	−22	45.53	10.64	35.3	117	144	102	119
1906	54.0	101	−11	44.36	11.15	40.2	130	134	101	130
1907	51.7	98	−23	52.15	13.36	35.0	138	128	102	135
1908	53.7	101	−16	40.47	11.45	38.0	116	155	110	101
1909	53.0	101	−10	43.02	10.50	30.3	126	143	109	113
1910	52.3	98	−11	38.60	13.16	47.4	118	140	103	122
1911	54.6	106	−5	47.13	12.63	23.2	131	140	97	128
1912	51.7	100	−34	43.78	14.02	33.9	124	159	81	126
1913	53.9	103	−4	49.02	10.53	31.6	122	162	79	124
1914	52.3	106	−22	39.71	10.05	67.7	116	153	81	131
1915	52.8	101	−8	43.76	11.38	29.4	125	146	84	135
1916	52.6	104	−18	44.63	10.79	43.9	121	157	92	117
1917	49.9	104	−37	44.33	14.20	54.6	123	163	74	128
1918	53.2	110	−27	44.77	10.28	37.7	122	160	83	122
1919	54.0	104	−16	47.27	13.08	16.8	118	164	78	123
1920	52.0	99	−11	41.62	9.70	25.7	120	147	75	144
1921	55.6	101	−10	45.45	10.67	22.4	122	145	93	127
1922	54.1	100	−15	41.57	8.19	25.8	117	164	68	133
1923	52.7	102	−20	46.03	12.42	23.9	125	161	73	131
1891–1923	52.9	110	−37	42.63	15.70	34.2	118	147	98	120

CLIMATOLOGICAL DATA FOR THE YEAR 1923.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).							Number rainy days.	Sky.			Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall.		Number clear days.	Number partly cloudy days.	Number cloudy days.	
PANHANDLE DIVISION.																				
Bayard	Grant	2,700	22	48.8	91	June 22	-5	Feb. 24	22	48.56	6.71	June	0.95	Oct.	69.0	147	180	74	111	w.
Brandywine	Pendleton	...	8	51.9	94	June 20†	-4	Feb. 24	8	24.85	3.55	Sept.	0.85	Oct.	18.5	70	231	15	119	sw.
Burlington	Mineral	875	30	53.5	94	June 23	4	Feb. 24	30	29.37	3.95	Aug.	1.48	Mar.	26.2	67	205	89*	71*	e.
Harpers Ferry	Jefferson	244	...	...	...	...	...	...	35	29.35	4.03	Aug.	1.64	May	19.5	98	...	...	...	...
Inwood	Berkeley	569	2	...	100	July 20	...	...	2	...	...	...	...	...	...	...	...	...	...	...
Martinsburg	Berkeley	435	32	...	99	July 20†	...	...	32	...	...	...	...	...	...	...	...	...	...	...
Moorefield	Hardy	900	28	...	99	June 4†	...	...	28	...	...	...	...	...	...	...	...	...	...	...
Piedmont	Mineral	919	8	52.3	95	June 21†	3	Feb. 18	8	34.66	4.64	Feb.	0.65	Oct.	...	121	158	86	121*	nw.
Romney	Hampshire	824	27	...	97	June 3†	...	...	27	...	...	...	...	...	...	...	...	...	...	...
Stony River Dam	Grant	...	4	...	...	...	...	...	4	37.50	5.41	Dec.	0.68	Oct.	45.8	127	85	76	204*	w.
Upper Tract	Pendleton	1,230	25	50.5	90	June 1†	...	...	25	...	...	...	...	...	...	...	...	...	...	...
Wardensville	Hardy	1,200	6	...	102	June 5	...	...	6	...	...	...	...	...	...	...	...	...	...	...
Averages and extremes	...	...	...	51.4	102	June 5	-5	Feb. 24	...	34.05	6.71	June	0.65	Oct.	35.8	105	172	68	125	w.
NORTHERN DIVISION.																				
Bens Run	Pleasants	622	23	55.0	98	June 21	0	Feb. 18	23	42.57	6.04	Dec.	1.19	Oct.	14.5	114	214*	60	91	...
Bruceton Mills	Preston	1,549	...	...	...	...	...	...	13	51.58	6.56	Dec.	1.87	Oct.	45.5	148	57	163	145	sw.
Buckhannon	Upshur	1,411	28	52.6	92	June 22	0	Feb. 18†	33	55.88	10.37	June	1.52	Oct.	...	117	192	49	124	...
Cairo	Ritchie	680	24	53.5	97	June 22	-5	Feb. 18	19	51.80	7.15	July	1.80	Oct.	7.1	...	...	...	...	...
Cheat Bridge	Randolph	3,558	1	...	90	June 22†	-20	Feb. 24	4	54.26	8.04	Dec.	1.27	Oct.	66.0	155	...	...	...	...
Clarksburg	Harrison	1,015	2	53.5	97	June 22†	0	Feb. 16	2	44.37	5.54	Dec	1.18	Oct.	11.1	154	154	101	110	w.
Cortland	Tucker	3,300	...	...	...	...	...	...	8	47.45	8.68	Dec.	0.75	Oct.	63.0	98	111	126	128	...
Creston	Wirt	701	23	54.8	97	June 22	-1	Feb. 18	23	51.00	6.70	Aug.	2.02	Oct.	5.1	131	157	27	181	sw.
Dam 10 Mon. R.	Marion	786	...	...	...	...	...	...	2	46.75	6.63	June	1.13	Oct.	...	149	...	...	...	...
Dam 12 O. R.	Ohio	605	...	...	...	...	...	...	8	41.39	5.99	Dec.	1.14	Oct.	...	122	...	...	...	...
Dam 13 O. R.	Ohio	557	...	...	...	...	...	...	8	36.01	5.70	Dec.	1.38	Oct.	...	131	...	...	...	...
Dam 15 Mon. R.	Monongalia	839	...	...	...	...	...	...	2	43.79	6.50	July	1.21	Oct.	...	141	...	...	...	...
Davis	Tucker	3,093	...	...	...	...	...	...	14	55.40	7.65	Dec.	1.15	Oct.	66.1	165	163	67	135	w.
Elizabeth	Wirt	646	...	...	...	...	...	...	13	50.79	9.46	July	1.44	Oct.	...	120	...	...	...	...
Elkins	Randolph	1,940	24	50.8	93	June 22	-7	Feb. 24	24	44.51	6.95	Dec.	0.89	Oct.	23.5	159	79	124	162	w.
Fairmont	Marion	883	19	52.2	94	June 21	0	Feb. 18	32	47.49	6.16	Dec.	1.42	Oct.	14.6	148	232	18	115	w.
Glenville	Gilmer	738	31	55.7	99	June 21†	-2	Feb. 18	37	58.72	7.85	July	1.86	Oct.	10.1	124	189	83	93	w.
Grafton	Taylor	1,000	31	...	98	June 22	-7	Feb. 24	32	...	...	...	...	...	...	...	...	...	...	...
Lost Creek	Harrison	1,026	27	51.8	96	June 21	-6	Feb. 18	28	50.24	6.42	Dec.	1.20	Oct.	14.0	131	162	78	125	w.
Mannington	Marion	974	22	52.0	92	June 22	-3	Feb. 18	22	48.78	6.58	Dec.	1.35	Oct.	18.2	162	146	74	145	w.
Morgantown	Monongalia	1,250	32	53.8	96	June 22	1	Feb. 18	50	40.48	5.17	June	1.29	Oct.	...	99	...	...	...	sw.
Moundsville	Marshall	642	22	...	...	...	...	...	22	...	6.40	Dec.	1.82	Oct.	...	...	...	...	...	...
New Cumberland	Hancock	987	27	51.0	96	June 18†	-1	Feb. 18	27	41.53	6.80	Dec.	0.99	Oct.	16.0	128	156	40*	169	s.
New Martinsville	Wetzel	634	31	54.2	100	June 22	1	Feb. 18†	32	49.86	6.80	Dec.	1.65	Oct.	...	117	...	...	...	s.
Parkersburg	Wood	638	36	54.8	95	June 22	2	Feb. 18	36	45.98	7.38	Aug.	0.82	Oct.	7.3	140	126	87	152	se.
Parsons	Tucker	1,656	25	51.2	97	June 21	-14	Feb. 24	25	...	...	...	...	...	...	...	...	...	...	...
Philippi	Barbour	1,149	28	53.8	97	June 22	-3	Feb. 24	31	48.03	6.71	June	1.07	Oct.	13.2	131	148	65	152	w.
Pickens	Randolph	2,697	22	49.6	92	June 4†	-5	Feb. 18	34	80.06	12.42	Aug.	2.19	Oct.	106.0	143	177	60*	128	w.
Rowlesburg	Preston	1,375	...	...	...	...	...	...	39	52.23	8.04	Dec.	0.71	Oct.	...	110	...	...	...	w.
Saint Marys	Pleasants	577	...	...	...	...	...	...	15	47.48	5.98	Dec.	1.19	Oct.	...	135	...	...	...	sw.
Smithfield	Wetzel	835	19	52.8	95	June 18†	0	Feb. 24	19	52.89	7.30	Dec.	1.63	Oct.	15.1	150	201	64	100	se.
Terra Alta	Preston	2,612	23	46.3	87	June 22	-6	Feb. 17†	41	51.94	6.73	Dec.	1.34	Oct.	54.8	182	126	103	136	w.
Wellsburg	Brooke	1,225	24	51.8	95	June 22	-2	Feb. 24	32	46.87	6.67	June	1.29	Oct.	9.8	116	160	78	127	w.
Weston	Lewis	1,026	29	54.4	95	June 22	1	Feb. 18	35	49.96	7.92	July	1.19	Oct.	12.5	125	156	91*	118*	...
Wheeling	Ohio	645	38	52.7	99	June 19	0	Feb. 18	40	39.80	6.36	Dec.	1.25	Oct.	15.7	134	138	89	138	w.
Averages and extremes	...	...	...	52.6	100	June 22	-20	Feb. 24	...	49.06	12.42	Aug.	0.71	Oct.	27.7	135	155	78	132	w.
SOUTHERN DIVISION.																				
Bancroft	Putnam	574	21	52.0	90	July 18†	5	Feb. 18	21	45.48	7.31	Dec.	1.63	Oct.	11.8	143	135	62	168	se.
Beckley	Raleigh	2,440	24	49.7	85	June 4†	-2	Feb. 19	24	39.93	5.06	Aug.	1.00	Sept†	28.6	80	158	105	102	w.
Bluefield	Mercer	2,558	29	55.4	93	June 10	3	Feb. 18	29	36.75	5.56	Feb.	0.87	May	23.7	119	224	59	82	...
Camden-on-Gauley	Webster	2,062	...	...	...	...	...	...	7	45.04	9.80	Dec.	1.02	May	...	52	...	...	...	s.
Charleston	Kanawha	597	21	57.3	94	June 19†	0	Feb. 18	39	49.08	6.49	Dec.	1.66	Oct.	4.2	118	183	35	147	w.
Clay	Clay	706	7	...	...	...	...	...	8	41.27	6.12	Dec.	1.89	Sept.	...	126	...	...	...	...
Dam 19 O. R.	Wood	557	...	...	...	...	...	...	7	48.59	6.23	Dec.	1.18	Oct.	...	141	...	...	...	...
Dam 20 O. R.	Wood	551	...	...	...	...	...	...	6	49.91	8.68	July	1.38	Oct.	...	145	...	...	...	...
Dam 26 O. R.	Mason	505	...	...	...	...	...	...	8	46.30	5.85	Aug.	1.33	Oct.	...	109	...	...	...	...
Gary	McDowell	1,426	6	52.4	88	July 15†	6	Feb. 18	6	50.00	6.48	June	1.52	Oct.	...	133	...	...	...	...
Green Sulphur Springs	Summers	1,600	28	...	...	...	2	Feb. 19	28	...	...	...	...	...	...	...	...	...	...	...
Hinton	Summers	1,450	27	54.9	93	June 4	6	Feb. 18	35	40.03	6.40	July	1.16	Oct.	10.0	115	142	7	216	n.
Huntington	Cabell	538	28	54.4	93	June 22	5	Feb. 18†	29	46.16	6.18	Dec.	1.38	Oct.	5.4	118	150	53	162	w.
Kanawha Falls	Fayette	618	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...	...	...
Kayford	Kanawha	1,335	...	...	...	...	...	...	7	52.40	6.97	Aug.	2.59	Oct.	...	144	...	...	...	...
Lewisburg	Greenbrier	2,200	24	51.9	91	June 21†	1	Feb. 18	32	37.35	5.74	Aug.	0.98	Oct.	9.5	103	160	94	111	s.
Marlinton	Pocahontas	2,131	25	47.1	88	June 20	-2	Feb. 18	25	47.13	5.30	July	1.53	Oct.	23.0	131	76	212	77	sw.
Organ Cave	Greenbrier	...	2	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...
Point Pleasant	Mason	553	31	...	96	July 10	1	Feb. 18	34	45.80	6.60	Dec.	1.31	Oct.	...	113	...	...	...	...
Powellton	Fayette	933	28	...	...	...	...	...	28	...	...	...	1.14	Sept.	...	...	...	...	...	...
Raleigh	Raleigh	2,130	...	...	...	...	...	...	7	...	...	...	1.32	Oct.	...	...	...	...	...	...
Ravenswood [Dam 22]	Jackson	538	9	...	96	July 13	...	...	9	44.29	6.98	July	1.38	Oct.	...	104	...	...	...	...
Robertsburg	Putnam	574	24	54.6	96	June 21†	0	Feb. 18	24	45.01	6.62	Dec.	1.00	Oct.	...	122	195	0	170	...
Ryan	Roane	700	21	53.0	92	June 18†	-9	Feb. 18	21	48.25	6.95	Dec.	1.41	May	12.7	140	140	83	142	...
Sharples	Logan	...	4	...	...	...	...	...	4	44.32	6.20	Dec.	1.20	Oct.	...	83	...	...	...	...
Spencer	Roane	784	19	52.9	90	June 19†	-1	Feb. 18	26	48.23	6.41	Dec.	1.70	May	8.7	118	104	129	132	...
Sutton	Braxton	839	20	53.3	97	June 22†	0	Feb. 18	20	58.32	8.16	Aug.	1.84	Oct.	22.0	122	223	3	139	...
Union	Monroe	2,250	20	53.8	93	June 4†	3	Feb. 18	20	38.78	4.93	Aug.	0.66	Oct.	5.6	109	...	...	...	...
White Sulphur Springs	Greenbrier	1,940	14	52.1	94	June 22	4	Feb. 18	14	35.60	4.82	Jan.	1.23	Oct.	...	108	248	29	88	...
Williamson	Mingo	660	24	55.3	91	June 22	9	Feb. 18†	24	41.57	6.07	Dec.	1.59	Sept.	1.8	118	200	55	110	w.
Averages and extremes	...	...	...	53.1	97	June 22†	-9	Feb. 18	...	45.02	9.80	Dec.	0.66	Oct.	12.8	117	167	66	132	w.
State averages and	extremes	...	...	52.7	102	June 5	-20	Feb. 24	...	46.03	12.42	Aug.	0.65	Oct.	23.9	125	161	73	131	w.

* 1 day interpolated from nearby stations.

† And other dates.

Monthly and Annual Mean Temperatures for the Year 1923, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
PANHANDLE DIVISION.																										
Bayard	31.2	+3.2	27.1	-0.3	39.3	+1.6	46.2	-0.5	55.1	-1.7	65.6	+2.3	66.8	-0.8	67.2	+1.2	61.7	+1.7	47.1	-1.7	39.3	+1.1	39.5	+11.0	48.8	+1.4
Brandywine	34.0	.....	30.8	.....	42.6	.....	48.8	.....	57.9	.....	69.6	.....	71.2	.....	71.0	.....	65.6	.....	50.3	.....	40.0	.....	41.2	.....	51.9	.....
Burlington	33.4	+2.7	31.8	+1.5	43.1	+1.9	50.1	-0.5	48.4	-3.1	69.0	+0.7	71.3[a]	-1.3	71.0[a]	-0.2	68.2[a]	+4.0	54.7	+0.8	45.7	+3.6	45.2	+13.0	53.5	+1.9
Inwood	34.2[a]	.....	.....	.....	42.2[a]	.....	51.3[a]	.....	60.2[a]	.....	73.4	.....	75.5	.....	72.4	.....	66.9	.....	53.1	.....	43.0	.....	.....	.....	.....	.....
Martinsburg	.....	.....	.....	.....	.....	.....	.....	.....	59.6	-3.5	74.0	+3.4	75.6	+0.3	71.1	-1.9	67.8	+1.7	52.4	-2.2	42.5	-0.2	41.1	+8.4	.....	.....
Moorefield	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	71.6[b]	-1.7	67.6	+0.9	53.2	-2.4	43.8	+0.1	43.8	+10.7	.....	.....
Piedmont	32.0	.....	30.2	.....	41.2	.....	50.3	.....	59.3[a]	.....	70.9	.....	72.3	.....	71.0	.....	66.4	.....	51.6	.....	41.0	.....	41.4	.....	52.3	.....
Romney	.....	.....	.....	.....	43.0[a]	+0.4	51.0[a]	-0.6	60.6[a]	-2.4	72.4[a]	+2.5	72.4[a]	-2.5	71.3[g]	-1.6	67.0[a]	+0.9	53.5[c]	-1.7	42.4[f]	-0.3	41.5[j]	+9.1	.....	.....
Upper Tract	31.8	-1.5	27.6	-4.6	42.8[c]	-0.1	48.6[b]	-1.4	55.5[a]	-5.9	69.2[d]	+1.3	68.8[b]	-3.2	68.3	-2.7	63.0[b]	-2.5	49.1[a]	-6.4	39.2[b]	-4.4	42.4[c]	+8.9	50.5	-1.9
Wardensville	33.6[b]	.....	29.8[a]	.....	41.8	.....	47.7[d]	.....	58.7[f]	.....	.....	.....	70.3[b]	.....	68.9[h]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
NORTHERN DIVISION.																										
Bens Run	37.0	+4.9	31.8	0	44.1	+0.9	51.4	-0.8	61.8	-1.4	72.9	+2.6	74.8	-0.1	72.9	-0.9	69.2	+1.5	55.1	-1.6	44.2	+0.9	44.3	+10.9	55.0	+1.4
Benson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	50.6	.....	41.4	.....	43.9	.....	.....	.....
Brownsville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	52.4[e]	.....	43.0	.....	43.8	.....	.....	.....
Buckhannon	36.0	+4.3	31.6	+0.1	43.2[a]	+1.6	49.4	-1.7	60.4	-1.5	69.8	+1.2	70.3	-1.7	69.8	-0.5	64.4	+0.4	50.4	-3.0	42.0	+0.6	43.3	+10.3	52.6	+0.8
Cairo	35.8	+0.9	31.0	-1.5	42.4	-2.9	51.5	-3.3	61.5	-2.3	71.5	+1.0	72.8[m]	-1.4	71.6	-1.2	67.0	-0.9	52.0	-4.8	41.5	+2.3	43.4	+9.2	53.5	-0.4
Cheat Bridge	.....	.....	23.6[a]	.....	35.2[a]	.....	42.4[a]	.....	51.2[a]	.....	61.3[a]	.....	62.4[b]	.....	62.2[a]	.....	55.8[a]	.....	40.8[b]	.....	.....	.....	.....	.....	.....	.....
Clarksburg	35.0	.....	29.2	.....	40.9	.....	50.8	.....	60.6	.....	71.8	.....	72.6	.....	72.6	.....	67.6	.....	52.8	.....	43.2	.....	45.1	.....	53.5	.....
Creston	38.3	+4.9	32.8	0	44.0	-0.2	51.7	-1.3	62.4	-1.1	72.8	+2.2	73.8	-0.8	73.1	-0.3	68.0	+0.8	52.7	-3.1	43.2	+0.6	45.2	+11.3	51.8	+1.1
Elkins	34.0	+5.0	29.2	-2.3	39.5	+0.4	48.0	-0.7	57.8	-1.3	67.2	+0.6	69.0	-1.5	68.9	+0.5	63.6	+1.7	49.4	-2.0	40.9	+1.3	41.7	+9.2	50.8	+0.9
Fairmont	34.0	+1.3	27.7	-4.5	39.1	-2.6	48.6	-3.2	60.6	-1.8	70.6	+0.3	72.2	-2.0	71.1	-2.1	66.5	-0.1	52.3	-3.2	41.9	-0.5	41.7	+8.5	52.2	-0.8
Glenville	37.1	+4.0	33.3	+0.6	45.8	+1.5	53.2	-0.2	64.2	+0.7	74.0	+3.2	75.6	+0.7	74.8	+0.9	72.4[n]	+4.7	52.6	-3.4	42.2	-1.4	43.6	+8.6	55.7	+1.7
Grafton	.....	.....	31.8	+0.2	43.4	+0.7	50.3	-1.3	59.0	-3.1	68.8	-0.4	71.2	-1.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Janelew	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51.9	.....	45.5	.....	44.6	.....	.....	.....
Lost Creek	35.6	+2.9	30.8	-0.2	42.2	-0.5	49.4	-0.8	56.7	-4.4	67.4	-0.4	69.9	-2.3	69.7	-1.3	64.5	-0.4	50.4	-4.4	41.7	-0.5	43.6	+9.8	51.8	-0.2
Mannington	35.6	+4.4	30.3	-0.7	42.2	-0.7	49.4	-1.8	59.1	-1.9	69.2	+1.1	70.2	-1.8	69.6	-1.3	64.2	-0.4	49.9	-4.6	41.4	+0.1	42.7	+10.2	52.0	+0.2
Morgantown	35.3	+3.4	29.7	-1.6	42.2[a]	+0.2	51.0	-0.2	62.3	-0.2	72.0	+2.9	73.0	-0.5	71.2	-1.1	67.2	0	53.2[a]	-2.3	43.9[a]	+0.5	44.6	+11.1	53.8	+1.0
Moundsville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	74.0[a]	-0.2	74.0[d]	+1.1	67.8[a]	+0.8	52.8[a]	-3.2	43.0[d]	-0.2	43.5[a]	+10.4	.....	.....
New Cumberland	31.6	+3.4	24.2	-3.5	36.2	-3.8	47.0	-2.3	58.8	-1.9	71.1	+3.2	72.7	-0.1	70.4	-0.5	66.2[a]	+1.3	51.0	-3.5	41.3	0	41.1	+10.3	51.0	+0.2
New Martinsville	36.9	+4.1	31.4[c]	-0.8	42.2[a]	-1.4	51.2	-1.8	61.5	-2.1	72.0	+0.6	74.2	-1.1	72.0	-2.1	68.0	+1.6	53.4	-3.7	43.8	-0.7	43.6	+8.8	54.2	+0.1
Parkersburg	37.0	+5.7	31.2	-2.8	42.1	-0.2	52.6	-0.5	62.2	-1.0	73.0	+1.5	74.7	-1.0	73.0	-0.2	68.4	+2.2	54.4	-0.2	44.0	+0.9	45.2	+10.0	54.8	+1.2
Parsons	33.2[d]	+2.0	29.6[a]	-2.1	39.4	-0.5	47.5[c]	-1.2	58.2[a]	-0.9	69.7	+3.6	70.7	+0.6	71.6[c]	+2.4	64.4[b]	+1.5	51.3[f]	-1.7	39.8[g]	-1.1	39.6[d]	+8.2	51.2	+0.9
Philippi	36.8	+3.9	31.4[d]	+0.2	43.7[a]	+1.2	51.4	+0.2	61.4	-0.3	70.0	+1.6	72.0	-0.4	71.0	-0.7	67.0	+1.7	53.1	-1.4	43.2	+0.1	45.0	+11.7	53.8	+1.5
Pickens	31.2	-0.1	27.5	-4.1	37.8	-1.9	47.7	-0.6	57.6	-1.2	65.9	+0.8	67.8[a]	-0.8	67.6[b]	+0.8	63.2	+1.6	48.8[a]	-3.6	39.8[a]	-0.8	39.8	+7.7	49.6	-0.2
Smithfield	35.6	+5.1	29.6	-1.0	41.3	-0.3	51.0	0	60.2	-0.8	71.0	+3.1	71.7	-0.4	71.1	+0.1	65.9	+1.4	52.5	-1.1	41.6	+0.5	42.7	+11.2	52.8	+1.5
Terra Alta	28.6[a]	+0.8	22.0[a]	-5.8	33.4[a]	-5.6	46.2[i]	-1.0	52.8[a]	-6.2	43.8	-2.0	64.8	-4.3	64.6	-3.3	58.8	-3.5	45.1	-6.8	37.5	-4.0	37.7	+7.7	46.3	-2.8
Valley Chapel	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	54.1[h]	.....	44.0	.....	44.6	.....	.....	.....
Vandalia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	50.7[a]	.....	.....	.....	.....	.....	.....	.....
Wellsburg	33.0	+3.3	28.0	+0.5	40.0	+0.8	48.8	-0.2	60.2	-0.3	70.2	+2.6	71.8	0	70.2	-0.2	65.8	+1.6	50.2	-3.9	41.4	+0.1	42.4	+11.4	51.8	+1.3
Weston	35.9	+2.5	33.4	+1.5	44.8	+1.0	52.1	-0.4	61.4	-1.7	70.8	+0.5	72.1	-2.2	72.0	-1.0	67.1	+0.3	52.9	-2.6	44.4	+1.1	45.6[b]	+10.6	54.4	+0.8
Wheeling	33.2	+2.6	27.0	-3.8	39.5[a]	-1.7	50.0	-2.1	60.4	-2.5	72.5	+1.6	73.5[a]	-1.4	72.6[a]	-0.8	68.0	+1.6	52.9	-2.7	41.8[a]	-0.3	41.4	+9.5	52.7	0
SOUTHERN DIVISION.																										
Bancroft	37.6	+3.2	31.4	-2.3	42.0[d]	-2.5	49.6	-3.9	58.7	-5.1	68.3	-2.6	70.2	-4.6	69.4	-4.2	65.0	-3.3	51.4	-6.0	40.8	-3.7	40.0	+5.1	52.0	-2.5
Beckley	36.6	+3.4	29.6	-3.7	39.0	-4.4	49.0	-0.7	55.4	-4.8	64.8[a]	-2.4	68.5	-2.8	66.0[a]	-3.0	61.8	-1.7	48.8	-6.4	40.6	-2.2	36.0[b]	+2.6	49.7	-2.2
Bluefield	39.6	+5.1	36.0	+2.1	46.1	+1.8	54.2	+1.0	62.5	+0.6	70.8	+2.0	71.0[c]	-0.4	70.2	-0.7	66.8	+1.1	54.4	-1.6	45.4	+1.0	48.2	+13.0	55.4	+2.1
Charleston	40.6	+2.1	32.4	-6.0	46.4	-2.3	54.9	-1.7	64.6	-1.3	75.2	+2.1	75.3	-1.2	74.3	-1.3	71.0	+0.9	59.8	+0.5	46.4	-1.8	46.7	+7.0	57.3	-0.2
Gary	34.2[b]	.....	30.8[d]	.....	41.6[c]	.....	48.6[a]	.....	59.6[g]	.....	66.6[g]	.....	67.6	.....	70.4	.....	69.0	.....	53.4[c]	.....	43.0[d]	.....	43.8[f]	.....	52.4	.....
Green Sulphur Springs	36.2	+3.3	33.2	+0.8	43.6	+0.1	50.6	-0.2	60.4	-1.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hinton	36.8	+2.6	34.0	0	44.2	0	52.9	0	61.8[a]	-2.0	71.8	-1.3	72.4	-1.7	73.0	-0.7	69.0	+1.4	55.4	-1.2	43.1	-0.9	44.1	+9.2	54.9	+0.4
Huntington	37.5[f]	+4.7	30.0	-2.6	43.1	-1.5	52.8	-1.2	62.8	-2.1	73.6	+1.0	75.3	-1.1	73.6	-1.2	68.3	+0.1	54.0	-2.2	43.0	-0.6	37.1[a]	+2.7	54.4	-0.3
Lewisburg	34.4	+2.5	31.8	-0.2	41.8	-0.2	49.4	-0.7	59.0	-1.6	68.5	+1.3	69.4	-1.6	69.8	-0.1	65.0	+0.9	50.4	-3.2	40.6	-0.9	42.4	+10.2	51.9	+0.5
Logan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	79.0[b]	+3.3	70.2[b]	+5.0	76.0	+6.4	64.7	+5.0	.....	.....	48.0[d]	+9.1	.....	.....
Marlinton	28.6	+0.4	27.7	-1.3	36.0	-2.6	44.4	-2.7	54.5	-3.5	65.0	+0.2	64.8	-3.8	65.3	-1.9	60.5	-0.9	46.2	-4.1	36.1	-1.7	36.6	+7.5	47.1	-1.2
Point Pleasant	37.6	+4.0	33.4	-0.2	44.4	-1.0	52.6	-2.3	61.2	-4.1	73.4	+1.0	74.4	-2.0	75.0	+0.4	69.7	+0.5	55.3	-2.3	47.4	+2.4	.....	.....	.....	.....
Powellton	40.4[j]	+3.6	.....	.....	.....	.....	.....	.....	64.8[m]	+0.9	.....	.....	74.4[j]	+0.2	.....	.....	69.1[j]	+2.0	55.4[e]	-0.5	.....	.....	47.8[i]	+11.3	.....	.....
Ravenswood [Dam 22]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	71.8	.....	74.3	.....	73.0	.....	68.6	.....	54.4	.....	44.0	.....	47.3[i]	.....	.....	.....
Robertsburg	36.5	+3.1	30.2	-2.7	43.2	-1.4	51.8	-1.1	62.4	-1.5	72.6	+1.3	74.6	-0.8	73.7	-0.7	69.4	+1.3	54.2	-3.2	42.8	-0.4	43.2	+9.2	54.6	+0.3
Ryan	36.5	+3.2	30.6	-2.6	41.8	-2.1	49.2	-3.2	59.9	-2.3	70.4	+1.3	71.8	-1.5	71.8	-1.3	67.6	+1.3	51.6	-3.2	41.5	-1.4	43.4[b]	+9.5	53.0	-0.2
Spencer	36.6	+3.0	29.9	-3.9	42.9	0	50.6	-1.9	59.9	-2.7	69.4	-0.5	70.6[a]	-3.0	70.7	-2.0	66.2	+0.3	51.4	-3.8	41.9	-1.5	44.4	+9.9	52.9	-0.5
Sutton	38.4	+4.8	33.6	-0.9	42.8	-2.8	50.4	-2.7	57.7	-7.6	68.8	-4.0	72.2	-4.1	71.7	-4.1	66.3	-3.8	52.8	-5.7	41.7	-2.1	42.8	+9.2	53.3	-2.0
Union	34.9[d]	+2.3	34.0[d]	+0.9	44.4[d]	-1.4	52.0[e]	+1.4	61.0[d]	+0.2	70.4[d]	+3.4	71.2[e]	+0.2	72.2[d]	+1.6	68.4[e]	+3.3	52.4[d]	-1.7	41.7[d]	+0.7	43.1[f]	+11.2	53.8	+2.1
White Sulphur Springs	33.3	+0.4	31.2	-4.1	41.9	-2.8	51.0	-0.2	60.2	-0.6	70.0	+3.1	71.0[a]	+0.4	70.5	-0.3	66.1[a]	+1.9	50.1	-2.9	40.5	-2.3	39.2	+8.4	52.1	+0.1
Williamson	39.8	+3.9	34.0	-2.1	44.6	-2.2	53.2	-1.8	62.0	-3.4	73.1	+1.1	74.3	-1.2	73.4	-1.5	69.0	-0.3	53.8	-4.7	43.2	-2.0	43.2	+6.3	55.3	-0.7

Reference letters indicate number of days missing; [a] one day, [b] two days, etc.

THE WEATHER BY MONTHS.

Continued from page 49.

MAY.—May was cool and dry. Light to heavy snow squalls occurred from the early morning of the 9th until into the night of the 9-10th, giving amounts from 4 to 10 inches n many of the mountain regions. The mid-day temperature of the 9th was the lowest of mid-day State record for May. The season was ten days late at the close of the month.

JUNE.—June was somewhat warmer and slightly wetter than usual, with the rainfall unfavorably distributed. The conditions were droughty over the eastern counties, while xcessive rains in Brooke and Wyoming counties caused damaging floods in the local treams. Rain was much needed during the last decade

JULY.—July was cool and wet, with frequent thunderstorms, which were attended by eavy rain in the central and western counties. The conditions continued droughty ver the eastern counties.

AUGUST.—August was also cool and wet, with the rainfall unfavorably distributed. t Pickens the monthly fall was 12.42 inches, of which 8.06 inches fell in 72 consecutive ours. A stage of 22.4 feet was reached in the Little Kanawha River at Glenville, and the streams were unusually high in Jackson County and the southern portion of Wood County. There were frosts in some of the mountain regions on the 23d–24th.

SEPTEMBER.—Although September averaged warmer than usual, the week ending on the 17th was the coolest of State record for the middle of September, giving light to killing frosts in many localities of the northern and central counties. The conditions were favorable for the ripening of crops and farm work.

OCTOBER.—October was exceptionally dry, sunshiny, and cool. Rain fell at but one station during the first fourteen days and the conditions were decidedly droughty until the 23d. Killing frosts occurred in all districts during the last decade.

NOVEMBER.—The temperature during November was continuously near the normal. The highest recorded, 73 degrees, was exceeded in every other November of State record, while the lowest readings were considerably above the November average. The precipitation was above the normal.

DECEMBER.—This month was the warmest December of State record and also the wettest, except in 1901. The temperature was below the normal only two days. The precipitation was favorably distributed. The snowfall was only about one-third the normal. The conditions were favorable for winter grains and late pastures.

Monthly and Annual Precipitation for the Year 1923, with Departures from Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
PANHANDLE DIVISION.																										
Bayard	4.83	-0.37	5.46	+2.07	3.25	-1.13	3.96	+0.11	2.88	-1.34	6.71	+1.81	4.10	-0.84	2.35	-2.26	5.03	+1.61	0.95	-2.47	3.82	+1.36	5.22	+1.32	48.56	-0.13
Brandywine	2.55	......	0.90	......	2.10	......	2.35	......	1.50	......	2.20	......	3.20	......	1.95	......	3.55	......	0.85	......	2.20	......	1.50	......	24.85	......
Burlington	2.18	-0.47	2.16	-0.23	1.48	-1.58	2.79	-0.04	1.51	-2.18	3.18	-0.79	2.35	-1.34	3.95	+0.15	2.87	-0.12	1.50	-0.77	2.70	+0.94	2.70	+0.10	29.37	-6.33
Harpers Ferry	2.02	-0.73	2.19	-0.30	2.28	-0.76	2.83	-0.23	1.64	-1.94	1.94	-1.88	2.63	-0.97	4.03	+0.21	2.39	-0.42	2.04	-0.80	2.15	-0.09	3.21	+0.59	29.35	-7.32
Inwood	2.00	......	......	......	2.13	......	1.46	......	1.71	......	3.63	......	3.31	......	2.95	......	3.98	......	1.10	......	3.03	......	......	......	......	......
Martinsburg	......	......	......	......	......	......	......	......	1.63	-2.06	2.56	-1.80	3.90	+0.04	2.92	-0.95	3.10	+0.29	1.35	-1.37	4.89	+1.73	4.12	+1.40	......	......
Moorefield	......	......	......	......	2.04	-0.63	2.64	-0.35	0.61	-2.94	2.71	-1.45	2.65	-0.74	2.24	-1.00	2.71	+0.15	0.98	-1.25	2.23	+0.62	1.98	-0.28	......	......
Piedmont	4.26	......	4.64	......	1.58	......	4.01	......	1.39	......	3.65	......	2.51	......	3.12	......	1.82	......	0.65	......	3.03	......	4.00	......	34.66	......
Romney	......	......	......	......	1.66	-1.44	3.23	+0.21	1.32	-2.31	2.91	-1.21	3.14	-0.40	4.40	+0.44	2.82	+0.16	1.20	-1.30	1.39	-0.58	2.87	+0.39	......	......
Stony River Dam	2.45	......	4.28	......	1.64	......	2.83	......	1.60	......	4.49	......	4.32	......	2.52	......	3.31	......	0.68	......	3.97	......	5.41	......	37.50	......
Upper Tract	1.13	-1.42	0.75	-0.94	0.88	-1.66	1.00	-1.47	0.48	-2.70	1.25	-2.94	......	......	1.60	-2.15	4.30	+1.98	1.05	-1.15	3.25	+1.72	1.00	-1.21	......	......
Wardensville	1.48	......	0.81	......	0.95	......	2.19	......	0.18	......	2.54	......	4.65	......	4.03	......	......	......	......	......	......	......	......	......	......	......
NORTHERN DIVISION.																										
Bens Run	4.21	-0.20	3.34	+0.15	3.36	-0.78	3.80	-0.28	2.65	-1.87	2.84	-1.68	5.74	+1.19	3.58	-0.66	1.51	-0.84	1.19	-1.92	4.31	+1.46	6.04	+2.28	42.57	-3.15
Benson	......	......	......	......	......	......	......	......	......	......	......	......	......	......	5.86	......	4.76	......	1.64	......	4.72	......	6.30	......	......	......
Brownsville	......	......	......	......	......	......	......	......	......	......	......	......	......	......	6.42	......	4.91	......	1.45	......	4.05	......	6.01	......	......	......
Bruceton Mills	5.63	+0.37	3.10	-0.26	3.11	-0.30	6.08	+2.38	2.12	-2.29	5.74	+1.16	5.80	+0.50	5.06	+0.41	2.40	-1.12	1.87	-1.91	4.11	+1.46	6.56	+2.96	51.58	+3.36
Buckhannon	6.11	+1.60	5.10	+1.23	3.45	-1.07	3.74	-0.52	2.63	-1.97	10.37	+5.48	5.12	-0.22	3.44	-0.66	2.61	-0.52	1.52	-1.94	4.18	+0.78	7.61	+3.57	55.88	+5.76
Cairo	4.82	+0.27	3.21	-0.27	4.23	+0.08	4.01	+0.33	3.08	-0.44	4.16	-0.65	7.15	+2.55	4.39	+0.77	4.23	+1.62	1.80	-1.28	3.92	+1.25	6.80	+3.04	51.80	+7.27
Cheat Bridge	5.51	......	4.60	......	4.62	......	3.36	......	1.96	......	6.49	......	5.79	......	4.00	......	4.36	......	1.27	......	4.26	......	8.04	......	54.26	......
Clarksburg	4.78	......	3.44	......	2.96	......	4.61	......	2.52	......	5.13	......	3.25	......	3.61	......	3.25	......	1.18	......	4.10	......	5.54	......	44.37	......
Cortland	4.74	......	3.92	......	2.32	......	3.66	......	2.38	......	4.40	......	4.97	......	3.09	......	4.89	......	0.75	......	3.65	......	8.68	......	47.45	......
Crawford	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	2.41	......	4.75	......	6.95	......	......	......
Creston	5.47	+1.62	4.13	+1.24	3.85	-0.17	4.26	+0.25	2.22	-1.69	3.71	-0.56	6.41	+2.39	6.70	+3.25	2.46	-0.12	2.02	-0.99	3.72	+1.22	6.05	+2.72	51.00	+9.16
Dam 10, Mon. R.	4.75	......	3.09	......	3.65	......	4.88	......	2.60	......	6.63	......	4.08	......	4.44	......	2.61	......	1.13	......	3.28	......	5.61	......	46.75	......
Dam 12, O. R.	3.13	......	1.67	......	2.84	......	3.63	......	3.17	......	2.88	......	4.30	......	5.79	......	4.29	......	1.14	......	2.56	......	5.99	......	41.39	......
Dam 13, O. R.	3.29	......	1.88	......	2.23	......	3.26	......	2.50	......	2.47	......	3.58	......	3.14	......	3.54	......	1.38	......	3.04	......	5.70	......	36.01	......
Dam 15, Mon. R.	4.06	......	2.90	......	3.15	......	4.20	......	2.01	......	4.53	......	6.50	......	3.13	......	2.86	......	1.21	......	3.86	......	5.38	......	43.79	......
Davis	6.19	+0.37	6.75	+2.57	4.76	+0.45	4.41	+0.44	2.46	-1.69	6.15	+2.23	5.55	-0.01	3.43	-1.55	3.07	-0.70	1.15	-3.00	3.83	+0.86	7.65	+2.81	55.40	+2.78
Elizabeth	4.76	+0.14	3.49	+0.83	3.06	-1.02	4.01	+0.04	2.27	-1.42	3.70	-0.12	9.46	+5.17	6.72	+2.35	3.41	+0.72	1.44	-2.31	3.40	+0.93	5.07	+1.76	50.79	+7.07
Elkins	5.10	+1.76	3.73	+0.56	3.32	-0.65	3.20	-0.09	1.96	-2.02	6.94	+1.90	3.73	-0.91	3.08	-0.57	2.33	-0.54	0.89	-1.53	3.28	+0.42	6.95	+3.53	44.51	+1.86
Fairmont	5.11	+1.17	3.92	+0.91	3.45	-0.46	3.50	+0.02	2.26	-1.72	5.25	+0.76	5.04	+0.31	4.05	+0.51	3.24	+0.64	1.42	-1.32	4.09	+1.37	6.16	+2.80	47.49	+4.99
Glenville	6.04	+1.69	4.66	+0.93	3.36	-0.88	3.52	-0.22	3.72	-0.49	5.18	+0.71	7.85	+2.56	7.83	+3.92	4.48	+1.21	1.86	-1.19	4.00	+1.02	6.22	+2.53	58.72	+11.79
Grafton	......	......	3.78	+0.48	2.64	-1.31	4.10	+0.33	1.61	-2.67	7.34	+2.81	3.28	-1.71	......	......	......	......	......	......	......	......	......	......	......	......
Horner	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	1.19	......	4.12	......	7.20	......	......	......
Janelew	......	......	......	......	......	......	......	......	......	......	......	......	......	......	3.85	......	3.69	......	1.28	......	3.91	......	6.26	......	......	......
Lost Creek	5.46	+1.40	4.68	+1.62	2.94	-1.15	3.81	+0.45	2.60	-1.69	4.63	+0.44	4.59	-0.19	5.08	+1.06	4.95	+2.17	1.20	-1.53	3.88	+1.38	6.42	+2.93	50.24	+6.89
Mannington	4.98	+0.37	3.18	+0.39	3.69	-0.06	4.48	+0.51	2.91	-2.14	4.60	+0.38	5.25	+0.28	3.83	-0.09	3.19	+0.02	1.35	-1.54	4.74	+2.24	6.58	+3.06	48.78	+3.42
Morgantown	3.25	-0.62	3.19	+0.08	2.94	-0.77	3.87	+0.52	2.07	-1.55	5.17	+0.63	4.02	-1.05	4.79	+0.59	2.75	-0.31	1.29	-1.86	2.93	+0.03	4.21	+1.09	40.48	-3.22
Moundsville	......	......	......	......	......	......	......	......	3.33	-0.03	......	......	4.60	+0.13	3.50	-1.09	3.60	+1.09	1.82	-1.29	3.05	+1.30	6.40	+3.11	......	......
New Cumberland	3.62	+0.86	2.21	-0.16	2.20	-1.16	3.06	-0.30	5.04	+1.74	3.32	-1.35	3.50	-0.79	4.30	+0.82	3.52	+0.99	0.99	-2.00	2.97	+1.12	6.80	+4.17	41.53	+3.94
New Martinsville	4.76	+1.00	2.41	-0.57	3.35	-0.30	3.85	+0.26	3.85	+0.11	5.30	+1.23	6.00	+1.20	4.59	+1.09	3.30	+0.65	1.65	-1.23	4.00	+1.36	6.80	+3.24	49.86	+8.04
Parkersburg	4.14	+0.95	2.32	-0.92	3.35	-0.47	3.47	+0.56	2.31	-1.15	5.42	+0.77	5.52	+0.86	7.38	+3.85	2.92	+0.20	0.82	-1.62	2.97	+0.14	5.36	+2.59	45.98	+5.76
Parsons	7.60	+2.83	3.76	+0.34	3.00	-1.06	3.50	-0.35	2.00	-1.90	6.80	+1.56	4.20	-0.92	2.31	-1.48	2.40	-0.72	......	......	......	......	6.50	+2.71	......	......
Philippi	4.54	+0.21	4.22	+0.85	2.53	-1.67	3.12	-0.81	2.21	-2.07	6.71	+2.19	4.10	-0.88	5.06	+1.01	4.68	+1.54	1.07	-1.81	4.40	+1.43	5.39	+1.56	48.03	+1.55
Pickens	6.51	-0.16	7.38	+2.31	5.50	-0.28	3.62	-1.42	4.49	-0.84	9.18	+3.07	8.36	+1.99	12.42	+7.31	4.63	+0.70	2.19	-1.88	4.82	+0.97	10.96	+5.76	80.06	+17.53
Roanoke	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	1.60	......	3.82	......	7.07	......	......	......
Rowlesburg	5.98	+1.48	4.51	+1.10	3.59	-0.71	3.90	-0.11	2.89	-1.47	7.44	+2.42	2.98	-2.04	4.38	+0.51	3.78	+0.71	0.71	-2.32	4.03	+0.95	8.04	+4.17	52.23	+4.69
St. Marys	4.36	-0.20	3.42	+0.22	3.51	-0.11	4.24	+0.34	2.95	-0.91	3.95	+0.18	5.86	+1.75	4.89	+0.13	2.66	+0.16	1.19	-2.21	4.47	+1.98	5.98	+2.48	47.48	+3.81
Smithfield	5.94	+1.11	3.76	+0.14	3.97	0	4.60	+0.70	3.66	-0.52	5.36	+0.77	5.10	-0.29	3.06	-1.40	3.16	-0.03	1.63	-1.80	5.35	+2.38	7.30	+3.22	52.89	+4.28
Terra Alta	5.59	+0.29	3.99	+0.22	3.03	-1.79	4.86	-0.84	3.34	-1.65	5.97	-1.01	4.25	-1.31	4.49	-0.50	4.05	+0.42	1.34	-2.28	4.30	+1.22	6.73	+1.57	51.94	-5.66
Valley Chapel	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	1.48	......	3.97	......	5.76	......	......	......
Vandalia	......	......	......	......	......	......	......	......	......	......	......	......	......	......	5.09	......	3.85	......	1.69	......	......	......	......	......	......	......
Wellsburg	3.41	-0.03	2.13	-0.55	2.89	-0.33	3.52	+0.41	4.42	+0.94	6.67	+2.18	3.22	-1.37	4.77	+0.93	4.92	+2.12	1.29	-1.66	3.24	+1.09	6.39	+3.32	46.87	+7.05
Weston	4.76	+0.59	4.92	+1.18	2.83	-1.64	3.18	-0.87	2.56	-1.75	6.25	+1.70	7.92	+2.95	2.32	-1.61	4.15	+1.26	1.19	-1.92	3.25	+0.02	6.63	+2.93	49.96	+2.84
Wheeling	3.16	+0.01	1.74	-0.79	3.21	+0.15	3.69	+0.56	3.45	-0.01	2.05	-1.76	4.00	-0.60	4.13	+0.46	3.89	+1.39	1.25	-1.36	2.87	+0.44	6.36	+3.39	39.80	+1.88
SOUTHERN DIVISION.																										
Bancroft	4.91	+0.51	4.47	+1.56	3.07	-0.87	3.06	-0.77	2.03	-2.11	3.64	-0.99	5.20	+1.16	3.94	-0.48	3.36	+0.57	1.63	-1.55	2.86	+0.46	7.31	+3.96	45.48	+1.45
Beckley	4.18	+0.26	3.68	+0.62	4.43	+0.57	3.28	-0.66	3.30	-0.12	4.21	-0.22	3.89	-0.34	5.06	+2.00	1.00	-1.48	1.00	-1.77	1.70	-0.69	4.20	+1.10	39.93	-0.73
Bluefield	4.42	+1.20	5.56	+2.51	3.52	-0.14	2.90	-0.48	0.87	-2.97	2.69	-2.09	2.68	-1.79	5.01	+0.59	2.61	-0.05	1.17	-1.71	2.03	-0.25	3.29	+0.38	36.75	-4.80
Camden-on-Gauley	3.80	......	3.30	......	3.00	......	3.60	......	1.02	......	5.02	......	3.70	......	2.80	......	3.60	......	1.80	......	3.60	......	9.80	......	45.04	......
Charleston	7.02	+3.07	4.85	+1.27	3.93	-0.47	2.99	-0.74	2.93	-1.11	4.35	-0.25	6.07	+1.92	3.50	-0.86	2.49	-0.58	1.66	-1.19	2.80	-0.17	6.49	+3.17	49.08	+4.06
Clay	4.64	......	3.31	......	2.82	......	2.77	......	2.62	......	4.74	......	2.56	......	4.48	......	1.89	......	1.92	......	3.40	......	6.12	......	41.27	......
Dam 19 O. R.	4.23	......	3.06	......	3.71	......	3.93	......	3.32	......	4.73	......	6.04	......	5.16	......	3.51	......	1.18	......	3.46	......	6.23	......	48.59	......
Dam 20 O. R.	4.86	......	3.61	......	4.24	......	3.61	......	2.74	......	3.50	......	8.68	......	6.25	......	1.86	......	1.38	......	3.70	......	5.48	......	49.91	......
Dam 26 O. R.	4.55	......	5.03	......	2.86	......	4.42	......	3.19	......	3.73	......	5.15	......	5.85	......	2.05	......	1.33	......	2.52	......	5.62	......	46.30	......
Gary	4.53	......	5.30	......	4.49	......	3.05	......	5.33	......	6.48	......	3.85	......	6.25	......	2.30	......	1.52	......	2.64	......	4.26	......	50.00	......
Green Sulphur Springs	6.14	+3.06	4.47	+1.68	3.92	-0.15	3.61	+0.18	3.28	-0.38	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Hinton	3.57	+0.36	3.18	+0.13	3.42	-0.63	3.33	+0.05	2.56	-1.21	4.60	+0.37	6.40	+2.45	4.20	+0.34	2.02	-0.74	1.16	-1.40	2.91	+0.71	2.68	-0.12	40.03	+0.31
Huntington	5.00	+1.08	4.75	+1.62	3.54	-0.80	3.56	-0.16	3.09	-0.94	5.20	+0.94	3.60	-0.64	4.82	+1.11	2.30	-0.25	1.38	-1.10	2.74	+0.03	6.18	+2.77	46.16	+3.66
Kanawha Falls	2.90	......	3.22	......	3.37	......	3.16	......	2.59	......	1.91	......	7.74	......	2.87	......	......	......	......	......	......	......	......	......	......	......
Kayford	4.99	......	3.79	......	4.05	......	2.89	......	4.42	......	6.41	......	3.42	......	6.97	......	3.43	......	2.59	......	3.48	......	5.96	......	52.40	......
Lewisburg	3.55	+0.02	2.51	-0.45	4.40	+0.44	3.38	-0.06	2.16	-1.48	2.68	-1.56	2.90	-1.18	5.74	+2.18	2.93	+0.10	0.98	-1.87	3.13	+0.67	2.99	+0.15	37.35	-3.04
Logan	......	......	......	......	......	......	......	......	......	......	......	......	3.15	-2.75	3.61	-0.04	2.36	-0.63	2.28	-1.47	......	......	5.77	+1.19	......	......
Marlinton	4.64	+0.57	4.11	+0.72	4.38	+0.02	4.31	+0.97	2.78	-1.23	3.44	-1.52	5.30	-0.03	4.89	+0.26	2.92	-0.19	1.53	-1.46	4.01	+1.27	4.82	+1.26	47.13	+0.64
Organ Cave	......	......	......	......	......	......	......	......	......	......	......	......	3.52	......	4.60	......	5.36	......	......	......	......	......	......	......	......	......
Point Pleasant	4.66	+0.76	4.11	+0.67	3.25	-0.88	3.58	+0.24	2.97	-0.89	3.10	-1.30	5.22	+1.12	4.46	+1.34	3.63	+1.30	1.31	-1.41	2.91	+0.16	6.60	+3.37	45.80	+4.48
Powellton	4.87	+0.92	......	......	......	......	1.52	-2.15	......	......	......	......	2.22	-2.27	3.42	-0.85	1.14	-1.84	1.37	-1.02	2.92	+0.53	......	......	......	......
Raleigh	2.40	......	3.90	......	4.30	......	3.90	......	2.00	......	3.69	......	2.60	......	4.00	......	2.80	......	1.32	......	......	......	......	......	......	......
Ravenswood	5.34	......	3.25	......	3.00	......	3.12	......	2.02	......	4.42	......	6.98	......	2.89	......	3.21	......	1.38	......	3.40	......	5.26	......	44.29	......
Robertsburg	4.98	+0.98	4.90	+1.88	3.23	-0.85	4.08	+0.34	2.06	-1.54	3.58	-0.47	4.03	-0.71	4.58	+1.33	2.91	+0.60	1.00	-1.78	3.04	+0.67	6.62	+3.16	45.01	+3.61
Ryan	5.20	+0.95	3.97	+0.60	3.10	-1.22	2.85	-1.00	1.41	-2.29	5.00	+0.53	4.42	-0.14	6.14	+2.28	3.72	+0.93	2.16	-1.29	3.33	+0.85	6.95	+3.50	48.25	+3.73
Sharples	4.15	......	3.10	......	4.49	......	2.35	......	3.33	......	4.43	......	3.79	......	4.10	......	3.23	......	1.20	......	3.95	......	6.20	......	44.32	......
Spencer	4.53	+0.13	4.53	+1.49	3.56	-0.38	3.32	-0.31	1.70	-2.00	5.54	+1.19	5.89	+1.60	3.69	+0.13	4.31	+1.37	1.79	-1.42	2.96	+0.48	6.41	+3.04	48.23	+5.82
Sutton	5.95	+0.93	4.77	+1.47	3.28	-0.75	3.63	-0.56	2.84	-1.65	6.08	+1.05	7.55	+2.38	8.16	+4.42	3.71	+0.55	1.84	-1.25	3.92	-0.04	6.59	+2.65	58.32	+9.20
Union	2.55	-0.76	3.14	+0.43	3.71	-0.03	3.03	+0.14	3.07	+0.31	2.76	-1.56	4.83	+0.21	4.93	+1.08	2.65	+0.05	0.66	-2.18	3.07	+1.08	4.08	+1.56	38.78	+0.33
White Sulphur Springs	4.82	+2.24	3.73	-0.49	3.13	-1.99	2.99	-0.99	2.04	-1.83	2.83	-1.73	2.99	-2.06	3.15	-0.51	4.79	+1.66	1.23	-1.59	2.60	+0.19	1.30	-1.86	35.60	-8.96
Williamson	4.56	+0.21	4.64	+1.49	5.33	+0.73	3.27	-0.62	2.22	-1.59	2.42	-2.21	4.66	+0.40	2.57	-0.97	1.59	-1.43	1.91	-0.85	2.33	-0.26	6.07	+2.23	41.57	-2.84

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXXII. Parkersburg, W. Va., January, 1924. No. 1.

GENERAL SUMMARY.

January was characterized by moderately cold weather, heavy rainfall, and exceptionally light snowfall. The temperature averaged two degrees below the normal, the rainfall was the heaviest of January State record since 1917, and the snowfall was the lightest of January record, except in 1896, when the January average was also 1.8 inches. Heavy rain early in the month caused floods in many of the smaller rivers and streams and a slight to moderate flood in the Ohio River. The rivers in the eastern panhandle counties were also high on the 17th, when the South Branch Potomac at Brandywine was the highest since 1913. The precipitation, however, was fairly well distributed over the State and throughout the month. In most of the agricultural districts the ground was practically bare during the entire month, the conditions being unfavorable for winter wheat, which was injured by cold weather. Dirt roads were either soft and muddy or frozen rough.

RIVERS.

The Ohio River was near or somewhat above the flood stage from Marietta to below Huntington from January 3 to January 6. The following crest stages, in feet and tenths, were noted: Marietta, 34.9; Parkersburg, 37.0; Point Pleasant, 45.9; Dam 26, 49.4. There was practically no flood damage.

TEMPERATURE.

The monthly mean for the State, determined from 46 stations, was 30.1°. The departure from the normal for 38 stations having ten or more years of record was −2.7°. The temperature was considerably below the normal from the 1st to the 9th, 13th to the 16th, and the 20th to the 28th, with the lowest readings occurring on the 5-6th and 21st-22d. The highest temperatures were noted on the 9-12th, 16th, and 29th-31st.

PRECIPITATION.

The average precipitation for the State, determined from 70 stations, was 4.62 inches. The departure from the normal for 44 stations having ten or more years of record was +0.57 inch. The precipitation was heaviest over the western counties and ightest over the extreme eastern, while the snowfall was greatest over the eastern counties. Nearly all the precipitation was eceived on the 1st-3d, 11th. 16-17th, 24-25th, and 31st, the reatest amounts being recorded on the 3d and 16th. Snow lurries or light to moderate snow fell in many sections of the State on the 5th, 11-12th, 13th, 16th, and 24-26th. The heaviest local snowfall, 16.0 inches, was at Cortland, Tucker County. The monthly amount at 18 stations was only a trace, or not nough to measure.

MISCELLANEOUS PHENOMENA.

Halos, lunar: Elkins and Ryan, 24th; Parkersburg, 18th.
Halos, solar: Bruceton Mills, 15th and 28th.
Sleet: Bayard, Beckley, Cheat Bridge, Elkins, Gary, Marlinton, Martinsburg, Moorefield, Parkersburg, Pickens, Piedmont, and Romney, 2d; Bayard, 3d; Brandywine, 4th; Romney, 15th; Marlinton, 16th; Union, 23d; Bens Run, Bluefield, Camden-on-Gauley, Elkins, Clarksburg, Martinsburg, Parkersburg, Smithfield, and Wheeling, 24th; Bayard and Smithfield, 25th; Fairmont, 26th; Marlinton, 30th.
Thunderstorm: Lewisburg, 29th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA.

Stations.	Mean barometric pressure. (sea level)	Mean relative humidity.			Sunshine.		Wind.				
		8 a. m.	local noon.	8 p. m.	Total hours.	Percentage of possible.	Total movement miles.	Average hourly velocity.	Max. velocity.		
									Miles per hour.	Direction.	Date.
Cincinnati, Ohio	30.25	80	69	84	157.6	52	6,725	9.0	32	sw.	11
Columbus, Ohio	30.22	78	71	74	133.1	44	7,921	10.6	41	nw.	25
Elkins	30.25	83	63	74	136.7	45	5,458	7.3	34	nw.	25
Lexington, Ky	30.27	83	76	....	136.2	44	11,375	15.3	42	w.	11
Parkersburg	30.25	82	73	78	115.8	38	5,280	7.1	35	nw.	25
Pittsburgh, Pa	30.21	75	63	65	109.1	37	10,545	14.2	47	nw.	25
Wytheville, Va	30.26	79	66	68	154.0	50	5,692	7.6	36	w.	11

COMPARATIVE DATA FOR JANUARY.

UNIVERSITY OF [illegible]
APR 4 1924

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	31.7	......	......	3.64	......	......	......	......	......	......
1892	29.4	76	− 3	3.15	......	......	......	......	......	......
1893	22.6	71	−25	2.49	......	......	......	7	7	17
1894	36.6	70	− 8	2.41	4.23	0.83	......	12	8	11
1895	25.0	69	−21	4.48	6.53	2.37	......	6	9	16
1896	32.4	72	− 6	1.57	2.72	0.67	1.8	9	14	8
1897	28.8	69	−18	1.70	2.85	0.90	4.0	10	7	14
1898	37.1	75	− 5	5.10	8.04	2.24	5.0	6	9	16
1899	32.1	70	−21	4.05	7.01	2.05	7.5	10	7	14
1900	34.5	74	−10	2.24	3.60	0.82	1.9	9	8	14
1901	33.6	69	− 4	2.41	3.87	1.18	7.3	8	7	16
1902	30.2	64	− 1	3.65	8.52	1.45	9.8	9	7	15
1903	31.8	79	− 7	3.21	6.45	1.55	8.6	8	7	16
1904	27.5	72	−18	2.72	5.82	1.24	10.8	9	8	14
1905	26.4	70	−14	3.15	7.43	1.48	22.0	7	7	17
1906	38.2	80	− 5	3.79	8.70	1.36	5.1	11	7	13
1907	38.7	76	−15	6.41	11.54	2.35	5.6	6	7	18
1908	31.0	62	−16	2.92	8.19	0.50	12.8	12	7	12
1909	36.8	76	− 5	3.41	6.59	1.50	8.7	8	6	17
1910	32.0	67	− 5	5.68	10.10	2.52	15.4	6	6	19
1911	37.3	71	− 5	5.86	12.63	3.11	7.0	8	6	17
1912	23.5	66	−34	2.60	6.93	1.10	13.6	7	8	16
1913	40.7	74	9	6.23	10.53	1.84	5.7	9	6	16
1914	35.8	83	−11	3.18	5.65	1.55	15.6	7	6	18
1915	31.7	68	− 8	4.85	11.38	2.00	10.4	8	6	17
1916	38.8	79	−10	4.86	8.52	1.70	6.1	11	7	13
1917	33.2	77	− 9	4.66	7.67	1.72	8.3	11	6	14
1918	20.7	55	−27	4.24	9.22	2.00	21.5	8	5	18
1919	34.1	69	−16	3.79	6.66	1.60	6.9	16	4	11
1920	28.7	77	−11	4.12	7.26	0.40	3.9	8	6	17
1921	35.5	71	− 2	2.76	5.94	0.10	4.3	11	6	14
1922	30.2	68	−15	2.75	4.81	1.01	10.8	12	6	13
1923	35.2	68	− 1	4.46	7.60	1.13	4.4	7	5	19
1924	30.1	70	−15	4.62	7.14	0.62	1.8	13	5	13
Means and extremes	32.0	83	−34	3.72	12.63	0.10	8.6	9	7	15

Climatological Data for January, 1924.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	23	27.4	− 0.6	59	1	− 8	6	42	4.72	−0.48	1.58	6.0	12	15	4	12	w.	U. G. Clark.
Brandywine	Pendleton	.....	8	28.7	.....	55	11	− 2	7	37	2.90	.....	1.00	2.0	7	17	2	12	s.	Elmer Keister.
Burlington	Mineral	875	30	34.4	+ 3.7	68	9	3	6†	51	3.05	+0.40	1.50	6.0	5	21	6	4	w.	Mrs. Louie Bumphrey.
Harpers Ferry	Jefferson	241	35	.....	.....	.....	.....	.....	.....	.....	4.60	+1.85	1.57	2.5	.....	.....	.....	.....	.....	J. C. Newcomer.
Inwood	Berkeley	569	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. W. Prettyman.
Martinsburg	Berkeley	435	32	29.6	− 0.9	55	10†	5	5†	36	4.04	+1.44	1.40	3.5	7	16	13	2	w.	Dr. H. S. Gardner.
Moorefield	Hardy	900	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. S. Henkel.
Piedmont	Mineral	919	11	30.0	.....	59	1	0	6†	56	1.13	.....	0.33	3.0	6	11	9	11	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	26	29.5^{a}	− 1.4	60^{a}	9†	0	22	44^{1}	2.87	+0.14	1.11	3.0	5	12	5	14	.....	Geo. E. Arnold.
Stony River Dam	Grant	.....	4	.....	.....	.....	.....	.....	.....	.....	3.69	.....	1.01	7.8	12	7	4	20	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	25	27.4^{1}	− 5.9	61^{d}	9	− 2	6	39^{1}	2.10	−0.45	1.50	2.0	3	21	2	8	.....	J. M. Mallow.
Wardensville	Hardy	1,200	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Luther F. Sutton.
Averages and	extremes	.....	.....	29.6	− 1.0	68	9	− 8	6	51	3.23	+0.48	1.58	4.0	7	15	6	10	w.	
Northern Division.																				
Bens Run	Pleasants	622	22	31.2	− 0.9	59	10	− 2	5	35	4.08	−0.33	1.76	1.0	10	15	8	8	.....	J. D. Riggs.
Benson	Harrison	1,080	1	30.5	.....	63	1†	− 4	6	44	5.26	.....	1.56	0.5	10	8	11	12	.....	R. D. Marts.
Brownsville	Lewis	1,032	1	31.6	.....	65	1†	− 5	6	44	5.06	.....	1.51	T.	8	11	10	10	.....	S. L. Montgomery.
Bruceton Mills	Preston	1,549	4	.....	.....	.....	.....	.....	.....	.....	5.96	.....	2.03	3.4	14	5	9	17	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	27	30.4	− 1.3	61	11	− 3	6	37	4.38	−0.13	1.10	T.	6	12	4	15	.....	H. A. Darnall.
Cairo	Ritchie	680	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	O. C. Hess.
Cheat Bridge	Randolph	3,558	6	.....	.....	.....	.....	−15^{c}	6	.....	7.14	.....	1.45	10.5	14	17	0	14	.....	H. F. Cromer.
Clarksburg	Harrison	1,015	2	33.6	.....	70	12	− 3	6	52	5.03	.....	1.60	T.	14	10	7	14	nw.	Clarksburg Water Board.
Cortland	Tucker	3,300	13	.....	.....	.....	.....	.....	.....	.....	4.18	−0.63	1.30	16.0	10	8	6	17	.....	G. W. Harmon.
Crawford	Lewis	1,087	1	.....	.....	.....	.....	.....	.....	.....	4.44	.....	1.52	.....	11	14	15	2	w.	J. Cecil Owens.
Creston	Wirt	701	22	31.2	− 2.2	64	1	− 2	6†	42	4.97	+1.12	1.40	0.3	9	9	0	22	.....	J. M. Reed.
Dam 10 Mon. R.	Marion	786	3	.....	.....	.....	.....	.....	.....	.....	5.31	.....	1.83	.....	13	.....	.....	.....	w.	Lockmaster.
Dam 12 O. R.	Ohio	614	8	.....	.....	.....	.....	.....	.....	.....	5.50	.....	1.47	.....	11	.....	.....	.....	.....	Lockmaster.
Dam 13 O. R.	Ohio	605	8	.....	.....	.....	.....	.....	.....	.....	4.94	.....	1.30	.....	10	.....	.....	.....	.....	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	3	.....	.....	.....	.....	.....	.....	.....	5.70	.....	1.62	T.	12	.....	.....	.....	.....	Lockmaster.
Davis	Tucker	3,093	15	.....	.....	.....	.....	.....	.....	.....	5.50	.....	1.24	4.5	13	10	8	13	w.	Ross C. Hale.
Elizabeth	Wirt	646	12	.....	.....	.....	.....	.....	.....	.....	5.23	+0.61	1.74	.....	10	.....	.....	.....	.....	E. D. Ball.
Elkins	Randolph	1,947	23	28.6	− 1.8	61	11	− 7	6	44	3.64	+0.20	1.54	2.2	9	7	7	17	w.	U. S. Weather Bureau.
Fairmont	Marion	883	18	27.6	− 5.1	60	10	− 3^{1}	6	44	5.72	+1.78	1.75	T.	12	18	0	13	w.	Creed E. Bolyard.
Glenville	Gilmer	738	30	30.4	− 2.5	65	11	− 2	6	50	5.46	+1.11	1.57	T.	10	13	9	9	w.	Howard R. Brannon.
Grafton	Taylor	1,000	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. A. Williams.
Horner	Lewis	1,044	1	.....	.....	.....	.....	.....	.....	.....	4.92	.....	1.41	T.	8	17	3	11	.....	Thomas E. Miles.
Janelew (near)	Lewis	1,020	1	34.4	.....	68^{1}	9	− 5^{1}	5	62	5.01	.....	1.60	0.5	8	15	3	13	s.	Dan Burkholder.
Lost Creek	Harrison	1,026	26	29.5	− 3.2	64	10	− 5^{1}	6	41	5.61	+1.55	1.92	T.	9	10	7	11	w.	Allen Smith.
Mannington	Marion	974	21	30.0	− 1.2	62	1	− 2	6†	37	5.64	+1.03	2.00	1.6	14	11	5	15	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Prof. E. L. Andrews.
Moundsville	Marshall	642	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T. E. Blake.
New Cumberland	Hancock	987	26	25.5	− 2.7	55	9†	− 3	6†	41	4.50	+1.74	1.42	1.5	10	8	5	18	n.	Geo. W. Derouin.
New Martinsville	Wetzel	634	30	30.4	− 2.4	64	1	− 4	6	42	5.10	+1.31	1.50	T.	8	11	5	15	s.	Wm. Ankrom.
Parkersburg	Wood	638	37	30.2	− 2.2	59	10	− 1	6	38	4.70	+1.51	1.83	0.3	11	7	8	16	sw.	U. S. Weather Bureau.
Parsons	Tucker	1,656	24	27.6	− 3.6	60	10	− 6	6	42	.....	.....	.....	.....	.....	13	5	13	.....	J. W. Swisher.
Philippi	Barbour	1,149	27	31.5	− 1.4	64	1	− 5	6†	43	5.36	+1.03	1.70	.....	8	12	7	12	.....	Prof. W. B. Pimm.
Pickens	Randolph	2,697	21	27.0	− 4.3	57	10	−14	6	41	5.40	−1.27	1.20	5.6	9	12^{a}	4^{a}	14^{a}	w.	Dr. J. L. Cunningham.
Roanoke	Lewis	1,050	1	.....	.....	.....	.....	.....	.....	.....	4.96	.....	1.59	0.7	11	.....	.....	.....	.....	Miss Mary A. Conrad.
Rowlesburg	Preston	1,375	37	.....	.....	.....	.....	.....	.....	.....	5.92	+1.12	1.79	.....	15	.....	.....	.....	.....	J. F. Pierce.
Saint Marys	Pleasants	577	15	.....	.....	.....	.....	.....	.....	.....	5.43	+0.87	1.58	T.	12	.....	.....	.....	nw	Wm. Hughes.
Smithfield	Wetzel	845	18	27.4	− 3.2	63	10	− 7	5†	53	6.02	+1.19	1.96	0.8	14	17	2	12	se.	G. M. Whisler.
Terra Alta††	Preston	2,612	23	24.7	− 3.1	55	1†	−11	6†	40	6.67	+1.37	2.40	8.3	18	9	9	13	w.	J. J. Shanahan.
Valley Chapel	Lewis	1,011	1	32.2	.....	65	10	− 6	6	41	5.13	.....	1.73	T.	8	18	5	8	w.	J. C. Campbell.
Vandalia	Lewis	1,120	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. S. Linger.
Wellsburg	Brooke	1,225	23	28.4	− 1.3	60	1†	− 2	6†	38	5.82	+2.38	1.47	2.0	8	11^{a}	3^{a}	16^{a}	w.	George F. Paster.
Weston	Lewis	1,026	28	31.7	− 1.7	64	10	− 3	6	58	5.25	+1.68	1.60	1.0	8	7	8	16	.....	Weston State Hospital.
Wheeling	Ohio	645	37	26.6	− 4.0	59	9†	− 4	6	45	5.26	+2.11	1.50	0.6	12	6	3	22	w.	Miss M. B. Forsyth.
Averages and	extremes	.....	.....	29.9	− 2.5	70	12	−15	6	62	5.21	+0.94	2.03	1.8	10	11	6	14	w.	
Southern Division.																				
Bancroft	Putnam	574	20	29.3	− 5.1	60	9	− 3	6	45	4.83	+0.43	1.63	0.8	12	13	1	17	nw.	E. H. Morrow.
Beckley^{a}	Raleigh	2,410	24	24.1	− 9.1	60	19	−10	6	34	2.90	−1.92	1.04	1.0	7	7	11	12	sw.	E. E. Phipps.
Bluefield	Mercer	2,558	29	35.1	+ 0.6	65	2†	− 8	6	44	2.92	−0.30	1.10	3.2	8	21	3	7	.....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	9	.....	.....	.....	.....	.....	.....	.....	4.80	.....	1.29	T.	5	.....	.....	.....	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	21	37.3	− 1.2	65	2†	− 2	6	41	3.68	+0.27	1.22	0.1	7	10	3	18	w.	C. V. Lewis.
Clay	Clay	706	8	.....	.....	.....	.....	.....	.....	.....	3.51	.....	0.93	.....	13	.....	.....	.....	.....	Ted Thomas.
Dam 19 O. R.††	Wood	557	8	.....	.....	.....	.....	.....	.....	.....	5.59	.....	2.00	T.	11	.....	.....	.....	.....	Lockmaster.
Dam 20 O. R.	Wood	561	8	.....	.....	.....	.....	.....	.....	.....	5.90	.....	2.10	T.	12	.....	.....	.....	.....	Lockmaster.
Dam 26 O. R.	Mason	505	8	.....	.....	.....	.....	.....	.....	.....	5.46	.....	2.00	.....	9	.....	.....	.....	.....	U. S. Engineer Office.
Gary	McDowell	1,426	8	33.0^{d}	.....	64^{d}	10	− 4^{1}	6	46^{1}	4.42	.....	0.99	T.	8	.....	.....	.....	.....	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,606	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. H. Gwinn.
Hinton	Summers	1,450	27	31.2	− 3.0	58	9†	− 4	6	49	4.32	+1.11	1.96	2.0	9	15	0	16	n.	J. B. Lavender, C. E.
Huntington	Cabell	538	30	30.0	− 2.8	56	10	2	6†	35	5.10	+1.18	2.42	0.2	7	14	1	15	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. O. Brown.
Kayford	Kanawha	1,335	8	.....	.....	.....	.....	.....	.....	.....	4.25	.....	0.86	2.0	16	.....	.....	.....	.....	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	[illegible]	24	29.8	− 2.1	58	11	− 7	6	39	4.05	+0.52	1.04	2.0	7	9	9	13	nw.	Geo. F. Argabrite.
Logan	Logan	760	21	33.2	− 3.3	62	10	− 2	5	41	4.35	−0.43	1.10	0.5	9	18	4	9	.....	Geo. R. Travis.
Marlinton	Pocahontas	2,131	25	24.6	− 3.6	54	11	−10	6	38	5.26	+1.19	1.76	2.0	8	10	12	9	nw.	S. L. Brown.
Organ Cave	Greenbrier	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	D. C. Humphreys.
Point Pleasant	Mason	553	31	.....	.....	57	9	.....	.....	.....	5.31	+1.41	2.26	0.2	8	14	0	17	n.	Miss Grace E. Henson.
Powellton	Fayette	[illegible]	28	.....	.....	63^{1}	11	.....	.....	.....	3.04	−0.91	.....	0.4	6	.....	.....	.....	.....	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Raleigh Coal & Coke Co.
Ravenswood (Dam 22)	Jackson	558	9	.....	.....	58	11	.....	.....	.....	5.15	.....	1.75	T.	9	11	0	20	.....	Lockmaster.
Robertsburg	Putnam	571	24	28.0	− 5.4	63	19	− 3	6	47	4.70	+0.70	1.65	T.	9	16	0	15	.....	M. Frazier.
[illegible]	Roane	760	21	28.6	− 4.7	61^{a}	11	− 5^{a}	6	43^{a}	4.79	+0.57	1.22	0.9	13	9	7	15	.....	Wm. L. [illegible]
Sharples	Logan	.....	4	.....	.....	.....	.....	.....	.....	.....	4.65	.....	1.20	.....	10	.....	.....	.....	.....	F. H. [illegible]
Spencer††	Roane	784	20	28.8	− 4.8	60	10	− 3	6	35	4.14	−0.26	1.39	T.	6	4	11	16	.....	A. M. McKown.
Sutton	Braxton	[illegible]	18	32.4	− 1.2	68	1†	− 6	6	55	3.96	−1.06	1.28	3.0	9	18	0	13	.....	C. R. Eakle.
Union	Monroe	2,250	29	32.4^{1}	− 0.2	[illegible]	11	− 9^{a}	6	51	4.31	+0.79	1.28	1.0	9	15^{d}	2^{d}	10^{d}	.....	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,910	14	25.6	− 6.3	63	9	− 6	5	50	0.62	−1.96	0.15	.....	10	17	3	11	.....	E. J. Comer.
Williamson	Mingo	660	24	30.5	− 5.4	59	10	0	6	39	4.56	+0.21	1.10	T.	9	14	5	12	w.	J. F. Keyser.
Averages and	extremes	.....	.....	30.6	− 3.5	68	1†	−10	6	55	4.27	+0.16	2.42	0.9	9	14	4	13	w.	
State averages and	extremes	.....	.....	30.1	− 2.7	70	12	−15	6	62	4.62	+0.57	2.42	1.8	10	13	5	13	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters a, b, c appearing in the table indicate number of days missing; for example, b represents two days, etc.

Daily Precipitation for January, 1924.

Stations.	Drainage basin.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Potomac Division.																																	
Bayard	Potomac	.10	.05	1.58	T.	.05	T.					.71	.01	T	T.		.83		.03		T	.04			T	1.04	.16			T	.13		
[illegible]	do			*	.60							[illegible]						1.00															1.72
Burlington	do		T	T.								[illegible]					1.10										[illegible]						[illegible]
Harpers Ferry	do	.12		.74								.96					.05	1.52							[illegible]	.27	.06				T		[illegible]
Inwood	do																									1.27						T	1.60
Martinsburg	do		1.30	.01							.70					.15	1.46																
Moorefield	do		T.	[illegible]																					.77					T	.01		1.04
[illegible]	do	[illegible]	[illegible]	T			T.					.21					.33																[illegible]
Romney	do		T	1.11								.47					.20	.79							.18	.11							1.13
Stony River Dam	do	.12	.04	1.60	.26							.45					.27	1.01								.50							[illegible]
Upper Tract	do		T.		.40													1.50					.02			.27	.05				.15	[illegible]	[illegible]
Wardensville	do																								.26								2.10
Northern Division.																																	
Bens Run	Ohio	T	.16	1.76																													
[illegible]	Monongahela	.10	.06	1.56		.08	.01				.01	1.15		.05			.17				T.				.20	.22				.18	.20		[illegible]
[illegible]	do	.24	.13	1.51		T.						.97	T.				1.35				T.				.13	.72	T.				[illegible]		[illegible]
[illegible] Mills	do	[illegible]	[illegible]	2.03		.16					T.	.90		T			[illegible]				T		T.		.06	[illegible]					[illegible]		[illegible]
Buckhannon	do	T.	.80	1.10							T.	[illegible]		.01			1.28				.04	.01			.01	[illegible]	.05			[illegible]	[illegible]		[illegible]
Cairo	Little Kanawha											.95	T.	T.				.70	T.		T.					.65	T.			T	.18		[illegible]
Cheat Bridge	Monongahela	.27	1.20	1.17		.23																											
Clarksburg	do	.04	.96	1.51		.02						1.45	.16			.16	1.01	.03				.01			.21	1.60			[illegible]		.16		7.14
[illegible]	do	[illegible]	[illegible]			.40					.02	.92					1.33	.02							.09	.69	.02			.02	.21	.02	5.03
[illegible]	do		[illegible]	1.47			.05					.16				.08	.60								1.14					.24	.16		4.15
[illegible]	Little Kanawha	T.	T.	1.40	.30	.01			.75	[illegible]		.15					[illegible]					.08		.45	.52						.11		4.44
[illegible], Mon. R.	Monongahela	.14		1.50	.33		T.					[illegible]	T.		T.		.56	.71			.02	T.				.71	T				[illegible]		[illegible]
Dam [illegible], O. R.	Ohio	.80		1.10	.15							[illegible]	T.				.38	1.10			.03	.04				.55	.06			.01	.18	.04	[illegible]
Dam [illegible], O. R.	do	.44		1.10	.15							1.47			.07		.58	.06	.62							.27	[illegible]				.18		[illegible]
[illegible], Mon. R.	Monongahela	.20		1.02	.32							[illegible]		.05			.55	.90								.25	.02				[illegible]		[illegible]
[illegible]	do	[illegible]	.09	1.24	.44	.05						[illegible]					.41	1.10			.05	.03				.56	.12			[illegible]	.16		5.70
[illegible]	Little Kanawha	.35		1.74								.95	.06		T.			.90	.05			T.				1.06	.16	.05			T.	.15	5.50
Elkins***	Monongahela	T.	.88	.46		.06						[illegible]	.04		.01		1.06	.27								.53	.62				.29		5.23
Fairmont	do	.10	T.	1.75	.27	.01	T.	T.			T.	.84		T.			.50	.02		T.	T.	T.			.50	[illegible]					.16		3.64
[illegible]	Little Kanawha	.16		1.27	.20							.94	T.		T.		[illegible]	1.07	T.		T.	.01				.62	.10	T.	T.		.37	.03	5.72
[illegible]	Monongahela											1.24	.07		T.		.62	.63			T.					.84	.12				.31		5.46
Homer	do																								.27	[illegible]							
[illegible] (near)	do	.22	.34	1.41								.81	T.				1.02				T.	T.									.17		4.92
Lost Creek	do	.09	1.60		.02						.83					1.40								.11	.80					.16			5.01
Mannington	do	.15	.10	1.82		T	T.				T.	1.10		T.			1.14	.02	T.		T.	T.			.10	.71	T			T	.17		5.61
Morgantown	do	.07	.10	1.90		.05	T.				.02	.97	.01	T.			1.52	.01	T		T.	T.			.10	.53	T.			[illegible]	.24		5.64
Moundsville	Ohio																			.63	T.					.32							
New Cumberland	do	.22		.89	.10							1.12	T.	.10	.06		.40	.79	T	T											.20		4.50
New Martinsville	do		.20	1.40								1.25				1.50									.15	.25	T.			.10	.25		5.10
Parkersburg***	Ohio	T.	.55	1.28		T.					.61	.45		.01			1.09	T			.02	T.			.27	.05	T.			.19	.15		4.70
Parsons	Monongahela																																
[illegible]	do	.30	.12	1.70		T.						1.16					1.65				T.				.23	.65				T.	.15		5.36
[illegible]	do	T.	.78	1.05		.18						1.20		T.			.70		T.		T.				.45	.52	.09				.43		5.40
Roanoke	do	.17	.16	1.59		T.	T.					.91		.03			1.03		.01		.03	T.			.12	.75					.18		4.96
[illegible]	do	.25		1.79	.65		.03					.81					.25	.64	.03		.03					.92	.25				.15	.12	5.92
Saint Marys	Ohio	.11		1.58	.22							1.18		T.	.04		.70	.75			T.					.40	.06			.17	.21	.01	5.43
[illegible]	Fishing Creek	.25	1.87	.05		.02						1.00	T				.70	1.02	.01		.04	.02				.53	.05			.11	.34		6.02
Terra Alta	Monongahela	.26	.19	2.40		.10	.01				T.	1.01	.02	.03	T.		.96	.03	.03		.06	.03			.14	.88	.24			.03	.25		6.67
Valley Chapel	do		.20	1.53								.95				1.40					.01				.12	.72				.20			5.13
Vandalia	do																																
Wellsburg	Ohio	.86		1.36		T.					.05	1.47		.07	.09	T.	1.26		T.	T.											.66		5.82
Weston	Monongahela		.05	[illegible]		.09						.93	T			1.10					T.				.20	.70	T.			.25			5.25
Wheeling	Ohio	.50		1.06	.18	T.	T.					1.50	.01	T.	.04		.55	.96	.01		T.		T.			.22	.05				.18		5.26
Southern Division.																																	
Bancroft	Great Kanawha	.10		1.63	.23	.03						1.00			.02		.61	.37			.02					.58	.04				.20		4.83
Beckley	do	.28	.37	.61													1.04				.09					.41					.07		2.90
[illegible]	do		.30	.60		.04		.02				.62					1.10				T.				.04					.20			2.92
Camden-on-Gauley	do		1.06	.80		T.	T.	T.									1.60								.80	T.							4.80
Charleston	do			1.22	.18	T.					1.20			T.			.10	.23			T.					.60					.15		3.68
Clay	do	.20	.01	.35	.40	.01						.90			.03		T.	.73			.05					.58	.04				.15	.05	3.51
Dam 19, O. R.	Ohio	[illegible]	T.	2.00	.12	T.	T.				.95		T.	T	.04		.43	.74			T.		T.			.34	.03			.17	.20		5.59
Dam 20, O. R.	do	.22	T.	2.10	.17	.04						1.32		T.	.04		.42	.74								.40	.04			.14	.23		5.99
Dam 26, O. R.	do	[illegible]		2.00	.30	.04						1.36					.40	.79								.50					.25		5.46
Gary	Big Sandy	.80		.74		T.	T.	.50				1.05					.35	.63				T.	T.			.60					.10		4.42
Green Sulphur Spgs.	do											.90																					
Hinton	do	.48		1.06	.26	T.											.14	.74								.50	.08				.04		4.32
Huntington	Ohio			2.42	T.	T.	T.					.78	T.	T.	T.		.60	.26			.02					.50					.26		5.10
Kanawha Falls	Great Kanawha											1.04																					
[illegible]	do	.75	.01	.41	.45	.05	.07					.85	.01		T.		.35	.55	.63		.03	T.				.55	.67				.06	.02	4.25
Lewisburg	do		.51	.75							T.	[illegible]					1.04								.09	.50					.03		4.05
Logan	Guyandotte	.20	.70	.85		.05						1.10					.55	.10								.70					.10		4.55
Marlinton	Great Kanawha	T.	.34	1.22		T.					.04	.54					1.76								.20	.58					.18		5.26
Organ Cave	do																																
Point Pleasant	Ohio	T.	T	2.26	.11	T	T.					1.25		T.	T.		.51	.53			.08					.37					.20		5.31
Powellton	Great Kanawha	*	*	2.03		.05						.85									T.				.13								3.04
Raleigh	do																																
Ravenswood Dam 22	Ohio	.20		1.75	.35							1.20					.27	.72			T.					.41	.05				.20		5.15
[illegible]	Great Kanawha	.10		1.65	.18							1.05		T.	T.		.50	.36								.56	.02				.28		4.70
[illegible]	do	.10	.11	1.22		.04					.01	.91		.01			1.11		.01	T.	.02	T.			.31	.43					.21		4.79
Sharples	Coal River	.40		1.20	.30		.30					.80				T.	.40	.40								.60	.10					.15	4.65
Spencer	Little Kanawha	T.	T.	1.30		T.	T.					.86	T.	T.			.62	.55	T	T.		T.				.61	T.				.20		4.14
Sutton	Great Kanawha	T	.18	1.28		.18						.77		.09			.10							.33	.83						.20		3.96
[illegible]	do		.20	1.09								.69					1.28	.04							.04	.86	.04				.07		4.31
White Sulphur Spgs.	do		.08	[illegible]							.05					.08	.10								.15	.02				.04	.65	.02	0.62
Williamson	Big Sandy	.81	T.	1.10	.23	T.						.97					.36	.27			T.					.68	.04				.10		4.56

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

‡‡‡ Probably incomplete.

Daily Temperatures for January, 1924.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	59	29	52	32	29	10	26	45	52	56	55	32	38	32	39	41	47	42	51	51	21	30	38	38	38	33	20	43	44	41	40	38.9
	Minimum	20	13	28	16	1	-8	9	19	16	20	29	24	19	16	3	29	29	25	19	20	-6	-3	26	14	27	0	2	1	20	30	32	15.8
Brandywine	Maximum	52	42	50	45	35	30	24	32	38	50	55	54	47	48	38	34	42	42	37	50	50	25	32	45	42	35	32	28	38	42	45	40.6
	Minimum	24	16	22	28	12	6	-2	14	12	20	18	24	24	20	13	8	27	24	27	24	25	0	0	21	17	24	8	6	7	25	27	16.8
Burlington	Maximum	63	34	50	46	35	30	42	59	68	58	61	53	49	42	42	38	53	49	43	48	33	43	53	47	51	40	36	36	47	55	55	47.2
	Minimum	29	18	31	21	7	3	13	16	17	24	38	33	25	22	11	32	36	34	24	26	3	5	33	20	30	9	11	9	23	31	38	21.7
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Martinsburg§	Maximum	42	33	42	32	30	24	36	42	44	55	55	45	40	40	40	42	45	42	42	42	11	40	46	34	40	22	30	39	42	48	45	39.0
	Minimum	22	24	23	22	5	10	17	20	21	26	34	29	22	11	12	33	33	27	30	6	5	6	24	19	11	11	12	14	31	36	29	20.2
Moorfield	Maximum	62	56	52	48	44	38	44	52	64	59	63	57	52	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	24	15	25	17	8	-1	10	10	13	20	35	27	20	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Piedmont	Maximum	59	30	40	34	29	15	32	48	57	56	54	36	40	37	36	47	49	44	46	39	24	34	42	38	43	34	25	27	44	46	46	39.7
	Minimum	25	25	29	22	4	0	14	21	21	26	33	30	25	21	11	29	29	31	25	23	0	3	30	20	27	6	8	7	21	33	27	20.2
Romney	Maximum	30	34	47	36	25	29	42	50	60	60	41	45	42	36	45	50	45	48	47	30	10	40	47	47	47	19	29	33	46	53	....	40.4
	Minimum	26	18	27	20	21	1	4	15	16	21	40	31	23	21	10	14	32	31	24	30	1	0	3	20	25	7	10	7	17	27	36	18.6
Upper Tract	Maximum	35	29	....	33	30	30	35	40	61	....	....	....	48	40	37	37	37	37	34	28	27	39	39	41	40	36	30	45	45	46	48	38.0
	Minimum	24	17	....	15	9	-2	15	15	30	....	....	....	21	18	11	15	28	28	25	25	0	0	10	20	18	9	10	9	21	30	35	16.9
Northern Division.																																	
Bens Run	Maximum	57	36	51	32	28	15	32	46	57	59	58	44	38	37	46	49	46	40	52	46	15	33	45	41	41	28	27	49	48	45	47	41.5
	Minimum	25	21	24	19	-2	2	12	18	23	36	32	30	28	15	16	33	33	29	31	14	0	2	29	22	27	6	9	14	32	35	34	20.9
Buckhannon	Maximum	54	43	59	34	33	12	30	42	52	60	61	36	36	30	43	50	48	43	52	43	21	38	41	42	40	30	23	47	47	46	45	41.3
	Minimum	24	19	32	21	1	-3	11	14	20	25	31	25	25	18	13	34	34	30	26	21	0	1	28	20	30	6	8	13	28	14	35	19.5
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Clarksburg	Maximum	67	39	60	36	36	15	36	46	58	65	65	70	65	65	45	49	50	43	55	54	27	33	44	45	44	39	26	49	48	52	52	47.7
	Minimum	25	21	32	20	4	-3	11	12	12	23	33	30	23	13	10	32	33	30	24	23	0	2	31	17	35	6	7	10	26	33	32	19.6
Creston	Maximum	64	37	53	34	32	16	36	47	59	60	58	40	36	32	45	50	50	43	56	51	20	34	44	44	43	36	29	49	50	48	47	43.3
	Minimum	24	20	30	19	3	-2	13	11	17	24	32	31	23	10	10	35	33	30	24	19	1	-2	30	18	34	8	6	10	26	32	26	19.2
Elkins	Maximum	41	44	60	36	30	16	30	47	56	60	61	38	39	28	41	52	37	46	57	49	5	36	42	41	42	14	23	48	49	46	44	40.6
	Minimum	19	17	24	20	-5	-7	11	13	19	24	27	25	23	14	9	37	29	27	24	5	-3	2	25	19	11	3	6	8	29	32	31	16.7
Fairmont§	Maximum	29	54	51	34	15	17	31	41	55	60	41	34	31	31	42	47	36	39	52	34	8	35	43	40	38	19	26	45	45	47	45	37.7
	Minimum	25	23	24	20	12	-3	-1	17	20	16	29	29	25	17	15	16	32	30	27	26	-1	0	2	22	22	5	6	9	20	26	33	17.5
Glenville	Maximum	37	35	46	33	33	19	30	36	61	62	65	35	35	33	38	53	55	44	49	48	24	35	44	47	41	40	32	41	42	44	43	41.3
	Minimum	28	20	32	20	2	-2	11	12	11	24	32	31	23	14	11	33	33	31	25	21	1	-1	23	19	35	8	7	12	26	33	30	19.5
Lost Creek	Maximum	63	36	56	34	30	13	31	44	58	64	60	37	34	32	44	48	48	44	55	48	20	30	44	41	39	33	26	46	46	44	46	41.7
	Minimum	23	17	30	16	3	-5	10	10	14	20	30	28	20	10	8	30	30	28	20	20	-2	-3	29	14	33	4	4	8	26	31	31	17.3
Mannington	Maximum	62	38	55	32	29	12	30	41	54	60	61	34	35	32	41	49	49	39	52	47	20	31	41	39	41	33	24	46	45	47	45	40.8
	Minimum	25	21	30	18	3	-2	11	12	17	23	33	30	23	14	10	30	33	30	24	20	-1	-2	31	17	33	5	7	10	27	33	32	19.3
Morgantown	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
New Cumberland§	Maximum	28	39	44	28	11	19	28	42	55	55	37	36	36	28	42	49	32	34	47	23	11	35	39	39	37	10	20	45	47	44	38	34.8
	Minimum	26	20	25	17	7	-3	-2	15	18	27	30	30	29	11	9	9	30	21	23	20	-3	-1	11	19	20	2	0	4	19	35	33	16.2
New Martinsville	Maximum	64	44	53	33	31	15	33	47	60	63	48	38	40	33	45	50	51	42	52	42	20	34	47	40	45	30	29	50	47	47	41	42.4
	Minimum	22	17	28	15	1	-4	11	14	20	24	30	29	25	13	11	29	31	27	33	10	-2	0	28	18	25	2	6	10	32	33	30	18.3
Parkersburg	Maximum	33	42	50	32	25	17	33	44	56	59	52	40	32	31	42	50	38	39	52	43	11	35	46	39	41	18	29	48	50	47	46	39.4
	Minimum	21	20	27	20	2	-1	17	21	30	31	32	30	20	14	17	38	30	28	28	5	3	4	28	24	13	8	11	18	39	38	34	21.0
Parsons	Maximum	43	40	50	35	23	12	28	44	53	60	40	36	35	31	45	47	47	45	50	44	33	41	38	36	35	21	22	46	46	39	44	39.0
	Minimum	20	13	26	18	-2	-6	5	10	14	20	20	21	19	19	4	33	31	27	20	13	-5	27	15	23	21	-2	4	4	20	36	31	16.1
Philippi	Maximum	64	59	59	33	30	12	25	46	57	63	60	39	35	44	46	50	51	43	55	52	26	33	43	43	43	37	24	47	46	49	45	43.8
	Minimum	21	18	28	19	-1	-5	9	18	31	34	31	28	11	15	20	30	30	25	25	16	-5	-4	27	23	28	2	4	13	34	37	32	19.2
Pickens	Maximum	52	44	56	44	29	27	28	45	53	57	52	44	39	27	39	50	45	43	52	42	10	25	39	42	45	25	23	45	39	35	43	40.0
	Minimum	15	15	21	15	-8	-14	9	11	27	21	23	20	22	11	9	30	25	23	27	9	-8	-8	8	23	20	-2	0	7	28	29	27	14.0
Terra Alta	Maximum	55	28	51	28	22	5	21	41	51	55	52	29	35	28	36	44	44	35	46	46	15	25	37	33	36	28	16	40	39	39	37	35.4
	Minimum	17	14	25	14	-5	-11	-10	17	20	22	26	22	18	12	3	26	27	22	22	15	-11	-7	24	15	26	-3	-1	0	33	32	30	14.0
Wellsburg	Maximum	60	37	46	31	29	14	29	40	53	60	48	40	35	27	40	49	49	35	47	41	14	33	40	38	39	29	22	47	46	45	40	38.8
	Minimum	25	18	26	16	4	-2	12	14	19	24	32	28	26	11	8	26	27	26	22	14	-2	3	30	17	29	1	6	9	29	32	32	18.1
Weston	Maximum	63	34	42	34	32	13	31	44	56	64	60	38	39	35	43	51	50	44	54	53	24	33	43	43	39	36	27	48	48	49	46	42.5
	Minimum	25	22	22	21	6	-3	12	15	21	26	32	30	25	17	14	34	33	30	26	24	0	1	31	20	35	7	9	13	32	34	35	20.9
Wheeling§	Maximum	28	49	42	32	10	15	34	40	59	59	54	39	35	33	45	49	34	38	47	30	10	35	47	40	39	15	27	50	45	45	42	37.6
	Minimum	23	20	24	16	7	-4	-3	15	20	26	29	30	30	10	10	13	30	23	24	19	-2	-2	9	19	20	0	0	5	17	32	20	15.5
Southern Division.																																	
Bluefield	Maximum	58	65	62	47	43	12	30	55	65	60	60	59	50	55	41	52	54	55	62	55	33	44	48	44	52	40	38	56	59	48	50	49.8
	Minimum	24	21	23	18	4	-8	1	19	26	37	32	26	31	20	18	28	31	28	28	25	-1	5	25	24	20	8	9	12	30	35	34	20.4
Charleston	Maximum	60	65	58	55	42	33	41	60	60	65	63	58	60	41	49	53	54	61	64	52	40	44	56	40	41	40	36	50	60	59	50	51.9
	Minimum	29	24	36	23	10	-2	5	20	24	32	36	33	29	22	18	32	30	30	31	25	4	7	24	26	10	12	14	20	30	39	30	22.7
Gary §	Maximum	34	56	59	42	....	22	40	51	61	64	48	....	51	37	44	53	38	56	....	61	16	42	47	42	43	....	33	52	60	50	54	46.5
	Minimum	26	25	32	25	21	-4	....	10	15	21	28	32	....	24	17	18	31	32	23	....	4	4	5	18	22	12	....	11	17	27	29	19.4
Hinton §	Maximum	30	35	43	43	25	24	45	51	58	58	48	53	43	42	38	48	39	53	58	41	18	47	54	34	43	27	40	51	57	51	56	43.6
	Minimum	26	23	29	23	21	-4	-3	15	16	20	26	30	26	23	17	17	35	32	27	27	3	3	5	17	24	11	11	12	14	26	27	18.7
Huntington §	Maximum	47	53	42	34	25	20	32	43	52	56	39	40	34	30	43	50	38	40	51	28	21	38	45	41	39	35	29	48	55	47	50	40.2
	Minimum	25	25	30	21	11	2	2	18	18	25	35	32	28	18	17	17	18	30	29	26	5	5	12	25	27	10	10	13	20	35	28	19.9
Lewisburg	Maximum	56	30	43	33	31	18	35	47	52	49	58	43	42	32	36	45	46	45	52	46	21	39	44	39	39	36	29	42	51	47	47	41.1
	Minimum	21	20	30	16	1	-7	10	14	17	23	32	28	24	17	13	29	31	29	23	21	0	0	21	19	29	6	9	10	20	32	31	18.4
Logan	Maximum	44	44	56	45	39	24	38	46	51	62	60	50	45	39	45	52	52	54	57	53	30	38	46	50	52	40	37	55	56	52	58	47.5
	Minimum	26	25	36	26	-2	9	15	19	27	32	35	34	28	24	21	40	37	33	30	25	6	8	16	31	40	12	13	20	32	37	30	24.8
Marlinton	Maximum	38	30	38	38	24	14	30	38	50	48	54	38	40	30	32	42	40	38	48	36	14	30	40	32	38	18	24	38	40	42	42	35.6
	Minimum	16	16	26	12	-4	-10	10	10	12	18	28	24	18	12	4	26	30	24	18	14	-4	-4	20	16	18	2	0	4	16	28	26	13.7
Point Pleasant	Maximum	56	45	49	42	33	25	33	46	57	50	51	42	42	31	39	55	50	40	53	49	39	35	46	40	40	29	31	50	54	49	47	43.5
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Powellton	Maximum	....	....	58	50	....	....	41	....	43	58	63	....	53	41	....	50	52	....	....	53	44	38	46	43	....	....	41	48	52	51	....	48.7
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	35	....	....	23	5	3	26	22	....	....	12	11	28	34	....	......
Ravenswood	Maximum	38	36	51	39	33	15	32	46	57	57	58	40	40	32	44	49	50	41	54	51	23	31	44	45	42	36	38	49	50	57	48	42.8
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Robertsburg§	Maximum	28	51	43	40	10	20	34	47	60	56	36	44	32	28	45	40	40	45	63	27	12	37	45	44	40	18	35	50	58	48	52	39.6
	Minimum	23	21	25	18	9	-3	-2	13	13	20	32	30	23	10	10	11	32	29	24	23	2	-1	6	27	21	8	6	9	14	31	23	16.4
Ryan	Maximum	56	38	....	37	26	15	35	46	56	57	61	42	31	35	45	50	47	45	56	44	18	33	46	37	38	30	30	50	50	47	50	41.7
	Minimum	21	16	....	13	0	-5	7	8	13	29	30	27	20	9	8	33	29	26	20	18	-1	-4	14	15	30	6	4	9	22	31	20	15.6
Spencer §	Maximum	45	50	43	32	9	14	32	45	55	60	35	39	29	30	47	49	34	42	54	25	9	32	44	39	42	19	25	47	50	47	48	37.9
	Minimum	23	20	43	19	8	-3	9	13	21	25	35	30	25	13	12	30	33	29	24	23	0	0	9	18	32	7	7	13	28	35	27	19.6
Union	Maximum	59	32	45	40	37	....	31	45	53	55	65	42	....	45	38	47	48	46	51	....	55	39	45	47	41	42	....	41	53	55	49	46.3
	Minimum	21	20	29	11	9	-9	....	12	17	25	31	27	....	11	15	29	31	28	23	....	1	1	22	19	29	7	....	9	21	31	29	18.5
White Sulphur Spgs§	Maximum	36	12	23	16	25	42	55	35	63	49	44	45	35	42	47	34	46	53	37	12	39	45	39	43	22	32	22	34	35	34	34	37.4
	Minimum	21	24	13	16	-6	4	13	16	13	13	29	21	16	9	14	34	30	21	25	2	0	5	17	25	9	9	9	10	22	28	30	15.9
Williamson§	Maximum	31	56	56	37	15	18	33	42	45	59	39	41	44	52	44	50	38	45	53	31	15	28	45	41	41	21	30	48	55	48	51	40.4
	Minimum	26	25	29	36	15	0	1	10	20	20	21	32	29	22	21	21	35	30	31	29	6	6	9	20	26	14	13	14	20	30	29	20.6

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief.

CLIMATOLOGICAL DATA.

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist.

Vol. XXXII. Parkersburg, W. Va., February, 1924. No. 2.

GENERAL SUMMARY.

The temperature averaged slightly below the normal and the precipitation slightly above. The month was characterized by nearly continuously cold weather after the 5th and by frequent and well distributed rains and snows While the snowfall was somewhat above the February average, the ground was practically bare in most of the agricultural districts the greater part of the month. Sleet or glaze storms occurred in many localities on the 17th and 19-20th, causing some damage to fruit trees and telegraph and telephone wires. Heavy rain on the 19-20th also caused marked rises in the rivers. The conditions were generally unfavorable for winter grains, which were in poor condition at the close of the month.

RIVERS.

Heavy rain on the 19-20th caused a slight flood in the Little Kanawha River and a marked rise in the Ohio River. A crest stage of 26 2 feet was reached at Glenville and 21.8 feet at Creston. The crest stage at Parkersburg was 24.5 feet. At the close of the month the rivers were unusually low.

TEMPERATURE.

The monthly mean for the State, determined from 52 stations, was 31.6°. The departure from the normal for 41 stations having ten or more years of record was —0.4°. The month opened warm. the highest temperature occurring on the 4th, but from the 5th to the 26th, except the 19th, the temperature was continuously below the normal. The lowest readings occurred generally on the 16th and 24th.

PRECIPITATION.

The average precipitation for the State, determined from 73 stations, was 3.21 inches. The departure from the normal for 48 stations having ten or more years of record was +0.15 inch. There were two marked periods of precipitation from the 5th to the 13th and the 17th to the 22d. The greatest amounts were recorded on the 5th, 12th, 17th, and 19-20th. Light to moderate snow fell in many localities from the 6th to the 14th, and on the 20th-22d and 25th, the greatest amounts being received on the 10th, 12th, and 19-20th.

HAIL.

On the 5th. during a thunderstorm, light hail fell in many sections of Barbour, Gilmer, Harrison, Lewis, Marion, Monongalia, Pocahontas, and Randolph counties.

MISCELLANEOUS PHENOMENA.

Fogs dense: Bayard, 4th and 5th; Benson, 17th; Brownsville, 2d and 25th; Morgantown, 25th; Pickens, 17th; Wellsburg, 26th.

Halos, lunar: Parkersburg, 16th; Ryan, 27th.

Halos, solar: Bruceton Mills, 9th, 11th, and 26th; Ryan, 11th.

Haze, light: Bayard, 26th, 27th, and 28th; Bens Run, 18th; Brownsville, 10th and 26th.

Sleet: Valley Chapel, 6th; Bancroft, 10th; Bluefield, 14th; Cheat Bridge, 15th; Bancroft and Parkersburg, 16th; Bancroft, Bayard, Benson, Brownsville, Burlington, Cheat Bridge, Elkins, Fairmont, Valley Chapel, Marlinton, New Cumberland, Roanoke, Romney, Ryan, Stony River Dam, and Wheeling, 17th; Bayard, Bens Run, Davis, and Martinsburg, 18th; Bayard, Bruceton Mills, Burlington, Davis, Elkins, Marlinton, Parsons, Pickens, Romney, Upper Tract, and Wheeling, 19th; Bayard, Brandywine, Bruceton Mills, Fairmont, Logan, Marlinton, Martinsburg, Parsons, and Upper Tract, 20th; Union, 25th.

Thunderstorms (dates and number of stations reporting): 5th, 20.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA.

Stations.	Mean barometric pressure. (sea level)	Mean relative humidity.			Sunshine.		Wind.				
		8 a. m.	local noon.	8 p. m.	Total hours.	Percentage of possible.	Total movement miles.	Average hourly velocity.	Max. velocity. Miles per hour.	Max. velocity. Direction.	Max. velocity. Date.
Cincinnati, Ohio	30.12	83	67	73	112.2	36	6,516	9.4	28	sw.	9
Columbus, Ohio	30.11	78	67	73	83.9	27	8,326	12.0	39	nw.	10
Elkins	30.12	86	70	77	90.5	29	4,244	6.1	28	w.	10
Lexington, Ky	30.13	86	78	....	66.0	21	10,129	14.6	38	sw.	5
Parkersburg	30.12	84	70	75	104.8	34	4,366	6.3	30	nw.	10
Pittsburgh, Pa	30.11	78	65	68	137.2	32	8,099	11.6	42	nw.	10
Wytheville, Va	30.11	81	68	73	91.0	29	5,601	8.2	30	sw.	11

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature.			Precipitation.				Number of days.		
	Mean.	Highest.	Lowest.	Average.	Greatest.	Least.	Snowfall (in inches).	Clear.	Partly Cloudy.	Cloudy.
1891	38.1	......	......	5.39	......	......	......	......	......	......
1892	37.1	72	−12	2.30	......	......	......	......	......	......
1893	35.0	71	− 6	4.81	6.70	1.65	......	......	......	......
1894	33.4	74	− 5	3.99	7.48	2.05	......	9	7	12
1895	22.8	79	−17	1.27	2.44	0.61	......	10	9	9
1896	33.4	62	− 5	3.31	6.23	1.50	......	7	8	14
1897	36.8	70	3	5.95	8.18	3.00	......	7	7	14
1898	32.7	74	−13	1.81	3.38	0.64	......	10	8	10
1899	26.1	69	−35	4.32	6.43	2.25	19.0	7	5	16
1900	30.7	83	−11	3.94	5.62	2.31	10 1	5	10	13
1901	27.1	62	− 6	0.86	1.66	0.10	4.1	8	8	12
1902	26.7	68	−14	3.20	5.65	1.33	8.1	6	7	15
1903	35.3	74	−19	5.99	9.59	2.58	8 6	10	6	12
1904	29.3	80	−13	2.37	4.55	0.52	8.1	12	9	8
1905	25.6	56	−22	2.34	4.65	0.80	8.1	8	6	14
1906	32.4	79	−11	1.60	3.34	0.46	8.1	15	6	7
1907	31.1	68	−23	2.55	4.83	0.67	11.1	9	8	11
1908	30.9	72	−10	3.72	6.26	1.77	15.8	7	8	14
1909	40.4	80	− 5	4.16	7.68	1.44	3.4	7	8	13
1910	31.5	72	−11	3.18	6.56	0.98	13.5	9	8	11
1911	38.7	76	− 6	2.03	3.92	0.40	4.8	8	8	12
1912	27.3	70	−17	2.45	5.08	0.72	6.4	10	8	11
1913	32.6	80	− 4	2.27	6.15	0.21	4.7	13	6	9
1914	28.4	70	−22	3.64	6.96	1.63	19.7	9	7	12
1915	38.4	72	− 2	3.07	6.33	0.90	3.6	10	5	13
1916	31.4	72	−12	4.30	9.19	1.79	13.2	8	6	15
1917	31.0	80	−14	3 29	7.73	1.26	10.1	9	7	12
1918	35.4	81	−19	3.12	6.60	0.45	3.8	11	6	11
1919	35.2	72	− 2	1.85	3.93	0.35	3.5	11	5	12
1920	31.3	69	− 4	2.71	5.49	1.49	9.3	7	5	17
1921	37.4	79	−10	2.61	4.90	1.10	10.8	8	5	15
1922	38.2	77	−14	2.89	5.57	0.94	6.3	8	7	13
1923	30.4	70	−20	3.68	7.38	0.75	7.8	7	5	16
1924	31.6	74	−16	3.21	8.18	0.84	12.2	8	6	15
Means and extremes	32.5	83	−35	3.18	9.59	0.10	9.0	9	7	12

Climatological Data for February, 1924.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	23	27.0	− 0.4	59	4	−12	24	44	4.09	+0.70	1.64	21.5	12	10	4	15	sw.	U. G. Clark.
Brandywine	Pendleton	......	8	29.1	......	60	4	4	16	35	1.20	......	......	6.0	4	10	5	14	sw.	Elmer Keister.
Burlington	Mineral	875	30	34.4	+ 4.1	62	4	3	24	35	0.90	−1.49	0.48	10.0	3	17	9	3	w.	Mrs. Louie Bumphrey.
Harpers Ferry	Jefferson	244	35	......	......	......	......	......	......	......	1.95	−0.54	1.25	9.2	7	......	......	......	......	J. C. Newcomer.
Inwood	Berkeley	569	2	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	H. W. Prettyman.
Martinsburg	Berkeley	435	32	32.7^{e}	+ 2.7	54^{e}	3	6^{a}	24	30^{f}	2.81	+0.38	1.95	9.8	7	10	14	5	n.	Dr. H. S. Gardner.
Moorefield	Hardy	900	28	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	M. S. Henkel.
Piedmont	Mineral	919	11	29.6	......	50	3†	− 2	24	31	2.18	......	0.76	14.0	10	8	10	11	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	26	31.0^{b}	− 1.2	55^{b}	3	2^{a}	24	33^{c}	2.23	−0.03	1.49	8.0	7	9	7	13	......	Geo. E. Arnold.
Stony River Dam	Grant	......	4	......	......	......	......	......	......	......	1.27	......	0.32	14.0	11	3	3	23	w.	A. C. Becker.
Upper Tract^{a}	Pendleton	1,230	25	28.1	− 4.1	49	4	5	24	29	0.84	−0.85	0.40	8.0	3	13	0	15	......	J. M. Mallow.
Wardensville	Hardy	1,200	6	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Luther F. Sutton.
Averages and	extremes	......	....	30.3	+ 0.2	62	4	−12	24	44	1.94	−0.30	1.95	11.2	7	10	6	13	sw.	
Northern Division.																				
Bens Run	Pleasants	622	22	33.0	+ 1.2	70	4	10	16	38	3.77	+0.58	1.40	10.0	8	11	8	10	......	J. D. Riggs.
Benson	Harrison	1,080	1	32.4	......	70	4	6	11	41	3.48	......	1.40	10.8	14	7	10	12	......	R. D. Marts.
Brownsville	Lewis	1,032	1	32.8	......	72	4	0	11	44	3.56	......	1.00	18.4	15	8	7	14	w.	S. L. Montgomery.
Bruceton Mills	Preston	1,549	4	......	......	......	......	......	......	......	4.78	+1.42	1.05	28.5	14	2	13	14	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	27	32.2	+ 0.7	66	4	3	16	33	4.09	+0.18	0.98	15.5	12	9	3	17	......	H. A. Darnall.
Cairo	Ritchie	680	25	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	O. C. Hess.
Cheat Bridge	Randolph	3,558	6	22.1^{a}	......	49^{a}	3	−16	16	44^{a}	3.74	......	1.00	24.0	15	14	2	13	......	H. F. Cromer.
Clarksburg	Harrison	1,015	2	32.8	......	70	4	9	16	40	3.52	......	2.17	11.2	15	5	9	15	nw.	Clarksburg Water Board.
Cortland	Tucker	3,300	13	......	......	......	......	......	......	......	1.49	−2.40	0.43	16.0	7	4	10	15	......	G. W. Harmon.
Crawford	Lewis	1,087	1	......	......	......	......	......	......	......	3.28	......	1.05	......	12	16	11	2	w.	J. Cecil Owens.
Creston	Wirt	701	22	32.8	0	69	4	10	11	43	3.72	+0.83	1.46	6.6	13	2	1	26	w.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	3	......	......	......	......	......	......	......	3.51	......	1.30	......	14	......	......	......	w.	Lockmaster.
Dam 12 O. R.	Ohio	614	8	......	......	......	......	......	......	......	2.76	......	1.20	......	11	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	605	8	......	......	......	......	......	......	......	2.62	......	1.00	......	9	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	3	......	......	......	......	......	......	......	3.29	......	1.46	......	13	......	......	......	......	Lockmaster.
Davis	Tucker	3,093	15	......	......	......	......	......	......	......	5.33	+1.15	0.90	38 5	15	5	8	16	w.	Ross C. Male.
Elizabeth	Wirt	646	12	......	......	......	......	......	......	......	3.75	+1.09	1.72	......	14	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	23	29.6	− 2.0	66	4	− 4	16	41	4.07	+0.78	1.58	15.2	17	0	9	20	w.	U. S. Weather Bureau.
Fairmont	Marion	883	18	30.4	− 1.8	68	4	7	16	33	4.72	+1.71	1.55	23.5	18	15	0	14	w.	Creed E. Bolyard.
Glenville	Gilmer	738	30	33.6	+ 0.9	66	3†	11	11†	37	3.70	−0.03	1.18	7.2	13	9	8	12	w.	Howard R. Brannon.
Grafton	Taylor	1,000	31	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. A. Williams.
Horner	Lewis	1,044	1	......	......	......	......	......	......	......	3.99	......	1.25	10.0	11	......	......	......	......	Thomas E. Miles.
Janelew (near)	Lewis	1,020	1	32.4	......	74	4	3	15	44	3.30	......	1.24	11.0	13	10	8	11	sw.	Dan Burkholder.
Lost Creek	Harrison	1,026	26	30.2	− 0.8	69	4	4	16	42	3.29	+0.23	1.30	9.2	10	6	4	19	w.	Allen Smith.
Mannington	Marion	974	21	30.8	− 0.2	64	4	2	16	36	3.34	+0.55	1.07	8.0	15	5	9	15	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	31	30.8	− 0.5	68	4	4	16	28	......	......	......	......	......	4	9	16	......	Prof. E. L. Andrews.
Moundsville	Marshall	642	21	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	T. E. Blake.
New Cumberland	Hancock	987	26	27.4	− 0.3	66	4	5	16	36	2.53	+0.16	1.02	8.5	11	7	2	20	n.	Geo. W. Derouin.
New Martinsville	Wetzel	634	30	31.8	− 0.4	72	4	7	16	42	3.45	+0.47	0.95	4.0	7	7	3	19	n.	Wm. Ankrom.
Parkersburg	Wood	638	37	33.4	− 0.8	68	4	15	16	27	3.07	−0.28	1.62	7.0	11	4	6	19	sw.	U. S. Weather Bureau.
Parsons	Tucker	1,656	24	28.8	− 0.9	64	4	− 7	16	43	4.88	+1.46	......	23.5	13	9	5	15	......	J. W. Swisher.
Philippi	Barbour	1,149	27	32.2	+ 1.0	68	4	0	16	32	3.63	+0.26	1.07	9.0	9	6	7	16	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	21	27.6	− 4.0	66	4	3	22†	43	8.18	+3.11	1.10	51.0	17	7	7	15	w.	Dr. J. L. Cunningham.
Roanoke	Lewis	1,050	1	......	......	......	......	......	......	......	3.58	......	1.20	10.0	12	......	......	......	......	Miss Mary A. Conrad.
Rowlesburg	Preston	1,375	37	......	......	......	......	......	......	......	5.94	+2.53	2.95	......	15	......	......	......	......	J. F. Pierce.
Saint Marys	Pleasants	577	15	......	......	......	......	......	......	......	3.37	+0.17	1.52	0.8	14	......	......	......	w.	Wm. Hughes.
Smithfield	Wetzel	835	18	29.3	− 1.3	69	4	1	16	39	3.71	+0.09	1.30	9.5	14	12	9	8	se.	G. M. Whisler.
Terra Alta	Preston	2,612	23	29.3	+ 1.5	51	3†	− 9	16	40	2.52	−1.25	0.90	24.2	19	4	8	17	......	J. J. Shanahan.
Valley Chapel	Lewis	1,011	1	33.3	......	72	4	4	11	40	3.32	......	1.30	8.4	13	11	7	11	w.	J. C. Campbell.
Vandalia	Lewis	1,120	1	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. S. Linger.
Wellsburg	Brooke	1,225	23	29.6	+ 2.1	58	4	2	24	35	2.32	−0.36	0.74	3.5	8	12	8	9	w.	George P. Pfister.
Weston	Lewis	1,026	28	31.0^{a}	− 0.7	71^{a}	4	9^{a}	11	39^{a}	4.04	+0.30	1.20	13.0	11	3^{b}	13^{b}	11^{b}	......	Weston State Hospital.
Wheeling	Ohio	645	37	29.2	− 1.6	68	4	8	16	38	2.92	+0.39	1.16	7.7	10	5	11	13	sw.	Miss M. B. Forsyth.
Averages and	extremes	......	....	30.7	− 0.4	74	4	−16	16	44	3.70	+0.53	2.95	14.3	13	7	7	15	w.	
Southern Division.																				
Bancroft	Putnam	574	20	32.5	− 1.2	69	4	16	16	41	2.85	−0.06	1.05	8.2	17	4	4	21	nw.	E. H. Morrow.
Beckley	Raleigh	2,440	24	30.4	− 2.9	65	3	10	8	34	......	......	......	......	......	2	11	16	w.	E. E. Phipps.
Bluefield	Mercer	2,558	29	35.7	+ 1.8	68	4†	13	8	33	3.59	+0.54	0.60	35.5	18	8	1	20	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	9	......	......	......	......	......	......	......	2.60	......	1.60	......	2	......	......	......	......	Miss Katie Jarvis.
Charleston	Kanawha	597	21	38.0	− 0.4	74	4	20	23	39	2.34	−0.24	0.85	3.1	9	11	2	16	......	C. V. Lewis.
Clay	Clay	706	8	......	......	......	......	......	......	......	3.20	......	0.96	11.4	15	......	......	......	......	Ted Thomas.
Dam 19 O. R.	Wood	557	8	......	......	......	......	......	......	......	2.98	......	1.30	......	13	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	8	......	......	......	......	......	......	......	3.21	......	1.38	......	18	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	8	......	......	......	......	......	......	......	3 22	......	1.15	......	12	......	......	......	......	U. S. Engineer Office.
Gary	McDowell	1,426	8	34.1^{d}	......	69^{d}	4	16^{d}	11†	47^{h}	2.31	......	0.73	......	......	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	28	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. H. Gwinn.
Hinton	Summers	1,450	27	34.3	+ 0.3	70	4	16	11†	42	3.18	+0.13	1.52	5.5	9	5	0	24	w.	J. B. Lavender, C. E.
Huntington	Cabell	538	30	34.2	+ 1.6	64	4	20	16†	34	3.06	−0.07	1.48	6.6	8	7	3	19	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	5	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	8	......	......	......	......	......	......	......	3.37	......	0.77	11.0	18	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	24	31.4	− 0.6	62	4	13	9†	32	3.09	+0.13	1.81	16.5	8	7	7	15	nw.	Geo. T. Argabate.
Logan	Logan	700	21	37.7	− 1.8	74	4	20	8	39	2.57	−1.33	0.45	6.5	10	5	10	14	......	Geo. R. Travis.
Marlinton	Pocahontas	2,131	25	27.3	− 1.7	56	4	4	9	34	3.41	+0.02	1.35	9.0	9	0	16	13	nw.	S. L. Brown.
Organ Cave	Greenbrier	......	2	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	D. C. Humphreys.
Point Pleasant	Mason	553	31	......	......	67	4	......	......	....	3.42	−0.02	1.20	7.4	12	5	0	24	......	Miss Grace E. Henson.
Powellton	Fayette	933	28	36.4^{m}	+ 0.8	68^{m}	4	11^{m}	9	35^{m}	2.22	−0.83	1.01	7.4	......	5^{l}	0^{l}	12^{l}	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	8	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Raleigh Coal & Coke Co.
Ravenswood (Dam 22)	Jackson	538	9	33.7	......	68	4	15	16	33	2.35	......	1.10	4.0	8	9	0	20	nw.	Lockmaster.
Robertsburg	Putnam	574	24	32.3	− 0.6	72	4	10	16†	45	3.47	+0.45	1.05	8.0	13	8	0	21	......	M. Frazier.
Ryan	Roane	700	21	31.6	− 1.6	70	4	9	11	46	3.52	+0.15	0.83	7.7	16	7	6	16	......	Wm. E. Ryan.
Sharples	Logan	......	4	......	......	......	......	......	......	......	2.92	......	0.85	......	7	......	......	......	......	F. H. Locke.
Spencer	Roane	784	20	32.6	− 1.2	68	4	13	16	35	3.42	+0.38	1.50	8.0	7	3	10	16	......	A. M. McKown.
Sutton	Braxton	839	18	33.0	− 1.5	70	4†	6	11	42	3.60	+0.30	0.76	15.0	11	13	0	16	......	C. B. Eakle.
Union	Monroe	2,250	20	33.2^{d}	+ 0.1	67^{d}	4	11^{d}	23	38^{d}	1.45	−1.26	0.45	11.1	11	7^{e}	7^{e}	10^{e}	......	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	14	28.2	......	59	29	8	8	36	1.86	−2.36	1.30	6.0	7	18	1	10	......	E. J. Comar.
Williamson	Mingo	660	24	34.8	− 1.3	63	4	19	11	31	3.27	+0.12	0.89	2.0	13	8	3	18	w.	J. F. Keyser.
Averages and	extremes	......	....	33.2	− 0.6	74	4	4	9	47	2.94	−0.23	1.81	9.5	11	7	5	17	w.	
State averages and	extremes	......	....	31.6	− 0.4	74	4	−16	16	47	3.21	+0.15	2.95	12.2	11	8	6	15	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of days missing; for example, ^{b} represents two days, etc.

Daily Precipitation for February, 1924.

Stations.	Drainage basin.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac	T.				.36	.14	.10	.16	T.	.33	T.	.38	T.	T.	T.	T.	.22	.16	.43	1.61	.14	.09			T.	T.			T.			4.09
Brandywine	do					.25														*	.75					.20							1.20
Burlington	do					.10							T.		T.	T.		T.		.32	.48					T.				T.			0.90
Harpers Ferry ‖	do					.03	.36				.03		T.		T.			T.	.10	.08	1.25						.10						1.95
Inwood	do																																......
Martinsburg	do					.25	.22		T.	T.	.10	T.	T.	T.	T.	T.		T.	.11	.13	1.95						.05			T.			2.81
Moorefield	do																																......
Piedmont	do					.22	.08				.06		.06		.03	.01		.05		.76	.76		.15			T.			T.				2.18
Romney	do						.37	T.	T.	T.	.01	.02	.09	T.				T.		.23	1.49	.02				T.							2.23
Stony River Dam ‖	do								.08			.16	.08	.08	.08	.08			.15	.08	.32	.08	.08										1.27
Upper Tract	do					.20					T.		T.	T.		T.	T.	T		.24	.40				T.								0.84
Wardensville ‖	do																																......
Northern Division.																																	
Bens Run	Ohio	.04				.60	T.	T.	T.		.16		.45					.20		1.40	.80					.12							3.77
Benson	Monongahela	T.				.33	.06	.04	.06		.27		.26	.04	.04			.11	.22	.48	1.40	.08	T.		T.	.09							3.48
Brownsville	do	.01				.18	.10	.01	T.		.32		.29	.04	.05			.18	.46	.49	1.00	.30	T.	T.	.04	.09							3.56
Bruceton Mills ‖	do	T.				.38	.05	.10	.11		.40		.48	.44	.08	T.	T	1.00		.45	1.05	.16	.04			T.				.04			1.78
Buckhannon	do					.22	.15	.04	.10		.45		.50					.15		.90	.98	.30	.10			.20							4.09
Cairo	Little Kanawha																																......
Cheat Bridge ‖	Monongahela				.38	.08	.16	.24	.16		.20	.24	.40	.08			.24	1.00	.05	.42	.05					.04							3.74
Clarksburg	do					.20	.06	.02	.01		.25	.02	.29	.02	.02			.11	.25	.46	1.71	.04	T.			.06							3.52
Cortland ‖	do					.06	.10		.43				.35		.08					.38							.09						1.49
Crawford	do	.02				.20					.20	.18	.22	.15					.05	.80	1.05	.15		.21			.05						3.28
Creston ‖	Little Kanawha	T.				.10	.41	T.	.03	T.	.25	T.	.12	.10	T.			.06	.14	.46	1.46	.10	.04			.15							3.72
Dam 10, Mon. R. ‖	Monongahela					.02	.90		.03		.22	.06	.18	.06	.05				.25	.28	1.30	.11	.02				.03						3.51
Dam 12, O. R. ‖	Ohio					.09	.76	.01	T.		.09	.05		.05	.02			T.	.23	.21	1.20	.05											2.76
Dam 13, O. R. ‖	do					.08	.35	T.	T.		.30		.30	T.	.03				.25	.28	1.00	.03											2.62
Dam 15, Mon. R. ‖	Monongahela					.05	.38		.04	T.	.14	T.	.17	.08	.02				.42	.38	1.46	.12	.03										3.29
Davis ‖	do	T.				T.	.51	.08	.16	.04	.24	.24	.32	.56	.24			T.	.47	.90	.79	.24	.48			T.	.06						5.33
Elizabeth ‖	Little Kanawha					.26	.29	.07	.02		.18		.11	.01	.02			.09	.29	.53	1.72	.02				.14							3.75
Elkins ***	Monongahela	T.				.27	.06	.03	.04	T.	.31	.02	.43	.04	.05			.73	.05	1.08	.75	.13	.01	T.	.04	.03				T.			4.07
Fairmont ‖	do	T.				T.	.45	.04	.02	.02		.20	.38	.48	.24	.16	.12	.16	.30	.40	1.55	.05	.06	.04	T.	T	.05						4.72
Glenville ‖	Little Kanawha		.09			.11	.36		.02	T.	.14		.42	T.				.14	.56	.34	1.18	.12	.10			.12							3.70
Grafton ‖	Monongahela																																......
Horner	do					.39	.13		.04		.31		.34	.13					.68	.46	1.25			.18		.08							3.99
Janelew (near)	do				.21	.11	.03	.04		.29		.28		.04			.25	.30	.41	1.24	.04				.06								3.30
Lost Creek	do					.21	T.	.03	T.	T.	.27		.32	T.	T.			.11	.24	.70	1.30	.06	T.			.05				T.			3.29
Mannington	do	T.				.45	.08	.02	.02		.29		.34	.01	.02			.08	.15	.75	1.07	.04	.01			.01				T.			3.34
Morgantown	do																																......
Moundsville ‖	Ohio																																......
New Cumberland ‖	do					.07	.54	.03	T.	T.	.08		.32			T.	T.	.11	.16	.08	1.02	.08								.04			2.53
New Martinsville	do					.80			T	T.	.25		.20		T.			.10		.95	.95	T				.20							3.45
Parkersburg ***	Ohio	T.			T.	.42	T.	T.	.01		.12	.11	.28	T.	.01		T.	.29		1.57	.19	.03			.04								3.07
Parsons	Monongahela					*	.08	.04			.40		.32	.32	.16			.16		*	.16	.16	.08			3.00				T.			4.88
Philippi	do	T.				.57	T.	T.	.08		.16	.48	.20	T	T.			.40		.62	1.07	T.				.05				T.			3.63
Pickens	do					.50	.24	.24	.40	.08	.56		.72	.24	.16			1.10	.37	.81	.90	.88	.32		.16	.50							8.18
Roanoke	do					.15	.15	T.	.03		.31		.30					.33	.43	.47	1.20	.10	.02		T.	.09							3.58
Rowlesburg ‖	do					T.	.45	.08	.02	.02	.22	.06	.22	.22	.05	T.			.43	.18	2.95	.85	.07				.12						5.94
Saint Marys ‖	Ohio	.02				.12	.24		.02		.25		.11	.12	.02			.01	.30	.50	1.52	.10	T.			.04							3.37
Smithfield ‖	Fishing Creek					.21	.55	.05	.02	.02	.26	T.	.28					.13	.15	.63	1.30	.05	.02			.04							3.71
Terra Alta	Monongahela					.23	.25	.03	.05	.02	.04	.01	.23	.08	.05	T.		.22	T.	.29	.90	.02	.02	T.		.04	.02	.01		.01			2.52
Valley Chapel	do					.22	.06	.02	.02		.30		.31		.03			.20		.70	1.30	.06	.02			.08							3.32
Vandalia	do																																......
Wellsburg	Ohio					.58	T.	T.			.06		.20		T.	.01		.16	.03	.54	.74	T.								T.			2.32
Weston	Monongahela					.20	.10	T.	T.		.32		.24					.40	.50	.60	1.20	.08	.24			.16							4.04
Wheeling ‖	Ohio					.08	.85	T.	T.	T.	.20	T.	.07	.05	.03	T	T.	T.	.23	.20	1.16	.05	T.	T.	T.		T.						2.92
Southern Division.																																	
Bancroft ‖	Great Kanawha	.02				.08	.26		.03	.01	.17	.01	.10	.02	.01			.03	.52	.22	1.05	.07	.01			.24							2.85
Beckley	do						.40	.12						.40												.40							‡‡‡
Bluefield	do						.08	.10	.06	.06	.08		.32	.40	.24	.16	.12	.55		.08	.16		.02		.24	.60	.24	.08					3.59
amden-on-Gauley ‖	do											T.				T.			1.00	1.60						T.							2.60
harleston ‖	do																																......
lay ‖	do						.50	.02	.02	.02	.20	.03	.10	.05					.48	.25	.96	.23	.04	.01		.29							3.20
am 19 O. R. ‖	Ohio	T.				.04	.48	T.	.02	T.	.14	.01	.05	.01	T.			.04	.26	.56	1.30	.02	T.			.05							2.98
am 20 O. R. ‖	do	.02				.10	.40		.03	.01	.15	.01	.08	.01	.03	.01		.04	.28	.55	1.38	.02	.01			.08							3.21
am 26 O. R. ‖	do	.02				.05	.30				.15		.12	.02				.02	.72	.48	1.15	.04				.15							3.22
ary ‖	Big Sandy	.03					T.					T.	.20	*	*	*	*	*	.46	.30	.73	*	*	.33		*	.26						2.31
reen Sulpr. Spgs.	do																																......
inton ‖	do					T.		T.			T.		.12	.06	T.			.02	.36	.38	1.52	.06	T.			.38	.28						3.18
untington ‖	Ohio					.30	.24		T.	T.			.24	T.					.48	.42	1.06	.04				.28							3.06
anawha Falls ‖	Great Kanawha																																......
ayford ‖	do	.14	.01			T.	.49	.08	.03	.01	.13	.07		.24	.01			.03	.40	.47	.77	.10	.03			.35	.01						3.37
ewisburg	do					.08	T.	T.	T.		.12		.16	T.	T.			T.	.36	.16	1.81				.16	.24							3.09
ogan	Guyandotte	.25				.45	.32				.30								.20	.40	.25	.08			.12	.20							2.57
arlinton	Great Kanawha	T.				.48	T.	T.	T.		.20		.10	T.	T.			.58	.10	.30	1.35	T.	T		.10	.20							3.41
rgan Cave	do																																......
int Pleasant	Ohio					.12	.25	T.			T.	.20	.15	.05	.02				.60	.51	1.20	.09	.03			.20							3.42
owellton	Great Kanawha	.12				.25	1.01	T		.10	*	*	*	*	*	*	*	*	.46			.10		.18									2.22
leigh ‖	do																																......
venswood (Dam 22	Ohio						.40					T.	.10	T.	.05	T.		.10		.40	1.10	.05				.15							2.35
bertsburg ‖	Great Kanawha	.03				.10	.34				.20		.16	.16	.16			.05	.55	.43	1.05	.02				.22							3.47
an	do					.43	.03	.02	.02		.29		.12	.03	.01			.27	.46	.83	.67	.08	.01		.20	.05							3.52
arples ‖	Coal River						.60	.12										T.	.40	.30	.85		.35	.30									2.92
ncer ‖	Little Kanawha	T.				T.	T	T.	T.	T.	T.		.16	T.	.08			1.50		.30	.98	.24				.16							3.42
tton	Great Kanawha					.22	.18	.16	T.		.16		.32	T.				.44	.33	.47	.76	.48	T.		.08								3.60
ion	do					.09							.08	.09					.45	.08	.14	.14	.08			.16	.10	.04					1.45
ite Sulpr. Spgs. ‖	do				.05												.02	.17	.12	1.30					.08	.12							1.86
lliamson ‖	Big Sandy		.20			.08	.26	.01	.05		.10	T.	.15	T.				.03	.35	.45	.89	T.	.05			.65							3.27

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

‡‡‡ Probably incomplete.

Daily Temperatures for February, 1924.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Panhandle Division.																																	
Bayard	Maximum	47	40	56	59	55	39	21	20	29	34	36	36	27	29	30	34	34	35	36	35	24	18	28	32	37	37	45	43	37	....	....	35.6
	Minimum	29	28	35	27	36	21	14	12	12	21	20	26	17	19	20	−10	14	29	22	18	14	11	2	−12	20	24	20	19	24	....	....	18.3
Brandywine	Maximum	45	43	54	60	53	40	25	25	40	33	38	38	28	40	38	32	35	34	32	38	30	28	32	30	34	38	40	40	40	....	....	37.3
	Minimum	25	22	29	27	37	25	17	16	5	25	14	28	25	24	24	4	24	30	21	24	19	16	10	6	24	28	20	15	21	....	....	20.9
Burlington	Maximum	54	54	55	62	53	45	34	33	49	40	48	44	41	42	42	40	37	49	41	45	33	31	38	34	36	49	57	49	45	....	....	44.1
	Minimum	29	22	41	30	35	30	23	23	14	28	28	34	26	28	28	10	23	31	24	20	24	19	9	3	26	28	23	29	25	....	....	24.6
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Martinsburg§	Maximum	45	53	54	52	40	42	36	....	....	....	....	49	38	45	45	45	34	45	37	49	35	31	37	32	37	44	47	44	....	....	....	42.3
	Minimum	26	27	30	....	29	32	24	23	19	23	28	29	24	25	30	15	20	22	23	19	25	20	19	6	10	23	25	27	25	....	....	23.1
Moorfield	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Piedmont	Maximum	43	43	50	50	43	38	29	25	36	35	43	36	34	36	36	35	29	38	34	38	28	24	32	29	29	40	50	40	41	....	....	36.7
	Minimum	30	27	39	31	37	26	21	20	17	26	25	31	23	25	21	7	21	26	20	18	21	17	12	−2	23	25	21	19	23	....	....	22.4
Romney	Maximum	50	....	55	53	38	31	30	38	41	44	38	38	34	39	39	39	37	41	43	44	28	36	36	32	44	50	48	44	....	....	....	40.4
	Minimum	26	24	....	32	35	29	21	19	15	25	32	31	23	23	26	9	20	25	22	17	22	17	10	2	11	24	21	22	24	....	....	21.7
Upper Tract	Maximum	45	46	48	49	45	35	36	26	28	28	31	43	34	35	35	35	35	35	35	34	33	....	32	29	36	38	44	44	45	....	....	37.1
	Minimum	24	25	26	27	34	18	19	16	10	12	16	20	25	26	20	6	16	15	20	18	19	....	11	5	20	23	25	18	20	....	....	19.1
Northern Division.																																	
Bens Run	Maximum	50	48	61	70	59	45	25	27	33	36	38	35	36	39	37	34	35	39	40	41	30	28	35	40	38	46	51	46	49	....	....	41.1
	Minimum	30	27	31	32	44	25	23	20	16	29	16	30	28	27	21	10	20	25	25	26	19	19	19	15	32	25	29	24	31	....	....	24.8
Buckhannon	Maximum	49	45	64	66	62	44	42	27	32	36	38	34	30	36	38	32	41	40	41	43	25	28	32	37	37	40	46	43	40	....	....	40.3
	Minimum	31	28	37	33	44	24	19	16	18	23	9	29	24	27	25	3	25	28	37	25	18	17	11	11	32	30	29	21	28	....	....	24.2
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Clarksburg	Maximum	52	55	60	70	67	46	27	25	34	34	39	39	35	39	41	36	36	37	42	42	28	27	35	39	39	45	48	48	46	....	....	41.8
	Minimum	29	25	31	30	45	26	20	18	17	27	13	30	25	26	17	9	24	25	33	27	19	12	12	12	32	28	31	17	29	....	....	23.8
Creston	Maximum	47	47	61	69	65	45	28	26	33	38	37	35	32	42	40	35	36	41	43	41	29	30	35	33	39	47	50	48	48	....	....	41.4
	Minimum	30	23	18	29	42	25	20	19	13	28	10	30	27	27	20	12	30	30	34	28	19	19	16	16	32	27	30	19	28	....	....	24.2
Elkins	Maximum	49	45	59	66	57	33	20	21	31	36	39	30	26	33	32	37	41	44	36	39	22	24	29	35	36	42	46	41	42	....	....	37.6
	Minimum	30	31	36	31	33	18	16	14	16	23	14	25	22	24	10	−4	24	30	32	22	15	12	9	5	29	31	27	22	30	....	....	21.6
Fairmont§	Maximum	52	47	57	68	56	41	25	29	34	30	34	35	29	38	37	34	36	37	38	38	23	26	33	38	36	45	49	43	44	....	....	39.0
	Minimum	31	26	25	35	34	29	20	19	18	17	16	18	24	23	23	7	8	23	23	33	20	17	16	12	14	28	27	23	23	....	....	21.8
Glenville	Maximum	45	44	66	66	62	50	27	27	33	32	36	40	35	41	44	35	37	43	46	46	33	32	34	38	39	45	49	52	47	....	....	42.2
	Minimum	29	26	29	29	45	26	21	19	16	29	11	30	27	28	21	11	30	31	34	28	19	20	16	15	32	31	29	19	28	....	....	25.1
Lost Creek	Maximum	49	47	59	69	59	43	24	24	32	34	35	33	28	37	35	31	34	37	39	38	25	25	34	35	35	44	49	45	47	....	....	38.8
	Minimum	26	23	29	27	41	24	17	16	14	25	12	27	23	25	15	4	22	24	31	25	16	16	8	10	30	26	29	15	27	....	....	21.6
Mannington	Maximum	48	46	56	64	56	45	26	26	31	34	37	37	32	38	37	31	38	35	36	40	27	27	31	39	38	44	47	42	45	....	....	39.1
	Minimum	28	22	33	28	40	26	20	19	16	28	5	30	24	25	16	2	17	23	30	27	19	18	15	10	30	27	25	18	28	....	....	22.4
Morgantown	Maximum	44	46	57	68	58	43	43	23	27	35	36	34	30	35	34	24	38	37	35	39	25	34	29	38	37	44	44	39	42	....	....	38.6
	Minimum	29	28	35	46	42	19	19	17	13	15	20	28	21	24	20	4	20	21	26	25	19	16	15	10	30	26	24	23	29	....	....	22.9
New Cumberland§	Maximum	41	38	47	66	49	32	26	26	34	33	42	35	30	37	32	28	31	33	36	36	25	25	28	29	30	37	39	36	45	....	....	35.4
	Minimum	26	25	27	30	32	29	20	20	17	19	20	21	22	20	25	5	7	22	22	25	20	15	13	6	6	14	14	20	22	....	....	19.4
New Martinsville	Maximum	50	42	63	72	57	44	27	28	34	37	38	37	33	40	39	34	36	40	40	40	29	29	35	40	40	50	49	44	51	....	....	41.3
	Minimum	28	23	30	30	40	22	19	18	16	26	10	28	23	24	21	7	23	22	29	25	18	17	16	12	30	22	24	18	28	....	....	22.4
Parkersburg	Maximum	49	42	60	68	56	33	26	27	37	37	37	34	32	41	38	32	36	40	42	41	27	30	33	37	40	46	49	46	48	....	....	40.1
	Minimum	34	29	33	42	33	23	22	21	20	29	23	31	27	28	20	15	27	27	33	26	21	21	23	19	32	26	30	25	34	....	....	26.7
Parsons	Maximum	51	38	55	64	51	28	25	25	32	32	43	35	27	33	33	36	33	44	35	33	29	25	33	39	36	44	46	40	34	....	....	37.8
	Minimum	28	26	34	28	19	17	16	15	15	20	10	27	21	22	12	−7	16	31	19	29	20	17	17	−1	29	26	25	13	26	....	....	19.7
Philippi	Maximum	51	45	60	68	66	47	29	23	31	36	37	36	32	35	34	32	42	45	39	43	31	25	31	38	37	41	47	43	48	....	....	40.4
	Minimum	29	27	35	47	42	25	20	20	14	26	25	27	22	25	22	0	22	22	33	23	15	15	10	11	35	28	27	21	30	....	....	24.1
Pickens	Maximum	43	43	60	66	55	38	21	20	33	33	38	32	25	30	35	40	41	47	39	41	24	25	30	36	37	43	47	43	45	....	....	38.3
	Minimum	29	26	31	23	30	12	10	8	10	21	4	20	15	19	12	11	10	18	25	18	10	3	3	6	28	25	25	15	24	....	....	16.9
Terra Alta	Maximum	45	39	51	51	44	37	18	17	25	27	32	30	23	26	26	31	37	37	27	24	19	15	20	28	33	32	41	32	33	....	....	31.0
	Minimum	30	25	21	20	34	18	12	11	10	19	17	23	15	17	16	−9	17	24	19	18	12	9	10	−7	19	23	22	18	25	....	....	16.8
Wellsburg	Maximum	45	45	49	58	52	43	26	25	35	34	38	35	34	37	36	34	36	34	32	36	26	26	29	33	34	45	45	42	44	....	....	37.5
	Minimum	25	22	33	32	39	25	20	20	24	28	27	30	22	24	22	4	23	20	24	26	20	16	7	2	28	10	13	16	24	....	....	21.6
Weston	Maximum	46	44	....	71	47	46	27	24	31	30	36	35	30	39	38	34	37	38	41	40	26	28	32	34	37	44	48	49	45	....	....	38.5
	Minimum	31	28	....	32	46	21	20	17	19	27	9	22	25	27	21	10	26	27	33	26	18	17	12	15	33	29	30	20	20	....	....	23.6
Wheeling§	Maximum	45	39	50	68	50	32	29	28	34	35	45	40	35	38	34	34	34	34	40	35	26	29	34	41	35	47	49	45	49	....	....	39.1
	Minimum	29	25	25	30	30	27	20	20	17	17	18	18	20	20	23	8	9	19	19	30	19	14	12	9	12	17	18	20	19	....	....	19.4
Southern Division.																																	
Bluefield	Maximum	51	49	65	68	68	49	21	21	33	38	46	44	31	47	50	53	52	55	45	43	33	46	43	38	44	41	50	49	57	....	....	45.9
	Minimum	34	34	37	40	42	20	14	13	15	18	22	26	24	24	32	20	32	34	26	26	14	21	18	14	23	31	28	26	31	....	....	25.5
Charleston	Maximum	55	54	70	74	62	60	45	39	49	41	40	39	38	50	44	40	48	45	44	40	35	38	40	35	40	44	54	58	57	....	....	47.5
	Minimum	31	34	32	35	42	28	22	24	23	22	26	22	31	30	30	29	32	33	30	30	26	23	20	25	21	30	32	34	32	....	....	28.6
Gary §	Maximum	53	....	65	69	54	32	21	23	....	40	46	35	33	42	48	....	53	54	40	40	22	30	....	40	38	42	53	52	55	....	....	43.2
	Minimum	31	33	....	22	30	30	20	18	18	....	16	16	28	28	28	23	....	24	36	35	18	17	18	....	20	34	35	23	24	....	....	25.0
Hinton §	Maximum	53	55	69	70	61	33	28	27	45	47	39	36	37	48	52	51	40	47	34	37	24	29	42	33	34	42	55	56	62	....	....	44.3
	Minimum	26	30	28	28	30	31	20	18	20	20	16	16	29	27	28	19	20	33	33	32	18	18	18	20	23	28	31	23	23	....	....	24.3
Huntington §	Maximum	52	49	61	64	50	30	27	28	39	36	40	37	36	47	45	36	38	38	45	35	30	33	38	35	42	45	51	50	57	....	....	41.9
	Minimum	30	34	30	30	30	27	25	21	21	24	24	25	30	30	30	20	20	32	32	31	20	20	22	24	24	30	30	27	27	....	....	26.6
Lewisburg	Maximum	48	47	59	62	57	43	23	22	38	33	34	32	26	41	40	43	40	45	37	34	26	27	34	32	34	38	44	44	49	....	....	39.0
	Minimum	32	30	32	30	43	22	16	14	13	24	18	26	24	23	28	13	30	33	27	26	15	15	13	18	19	19	31	25	28	....	....	23.7
Logan	Maximum	54	55	70	74	67	48	29	28	41	40	39	38	39	39	45	42	35	45	48	43	30	38	41	40	40	46	54	56	62	....	....	45.7
	Minimum	37	35	32	35	47	27	22	20	24	32	22	26	29	31	33	28	29	30	29	29	22	24	22	27	33	35	34	36	32	....	....	29.7
Marlinton	Maximum	42	42	52	56	52	38	20	20	34	30	30	32	26	34	32	40	38	40	30	36	20	24	34	28	32	40	42	40	42	....	....	35.
	Minimum	26	24	26	22	38	18	12	12	4	18	12	22	18	20	20	10	28	30	26	20	14	10	8	10	24	14	26	20	24	....	....	19.
Point Pleasant	Maximum	52	46	65	67	56	42	39	28	35	35	37	36	35	48	45	39	45	40	42	40	45	35	42	40	42	44	52	51	58	....	....	44.
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Powellton	Maximum	51	52	60	68	63	47	34	....	29	....	....	....	....	....	....	....	....	....	44	42	37	35	....	41	....	44	....	49	58	....	....	47.
	Minimum	30	31	28	33	42	26	13	....	11	....	....	....	....	....	....	....	....	....	29	28	20	21	....	18	....	27	....	25	31	....	....	25.
Ravenswood	Maximum	50	51	62	68	58	47	28	27	35	38	36	36	34	44	42	35	36	41	43	42	30	32	37	35	41	46	51	49	51	....	....	42.
	Minimum	32	25	29	39	44	26	20	19	17	29	16	30	28	27	20	15	19	28	34	25	19	20	19	20	31	26	30	20	23	....	....	25.
Robertsburg§	Maximum	53	48	68	72	49	28	26	27	40	36	38	36	35	47	44	37	35	40	45	32	26	35	40	34	43	48	54	54	56	....	....	42.
	Minimum	25	25	26	27	34	25	18	18	18	21	16	20	28	28	22	10	10	27	28	31	19	19	17	20	22	27	27	20	20	....	....	22.
Ryan	Maximum	52	46	62	70	64	41	23	25	35	31	36	33	33	45	45	36	38	45	42	38	25	38	38	31	35	45	50	50	50	....	....	41.
	Minimum	28	20	20	24	41	22	16	16	12	22	9	26	25	20	17	11	27	37	30	25	15	15	13	16	29	27	25	15	26	....	....	21.
Spencer §	Maximum	47	50	60	68	49	49	22	24	36	30	34	34	30	42	41	33	38	39	39	33	30	30	34	32	37	43	48	47	47	....	....	39.
	Minimum	31	24	25	34	49	32	19	18	16	24	14	28	26	26	22	13	28	32	34	33	18	18	17	18	28	29	29	20	40	....	....	25.
Union	Maximum	50	49	....	67	65	57	29	25	36	....	28	40	32	44	45	46	....	48	45	37	34	30	38	....	39	38	47	49	53	....	....	42.
	Minimum	31	27	....	29	48	24	15	14	14	....	19	28	21	20	28	15	....	29	29	29	14	14	11	....	21	27	29	25	24	....	....	23.
White Sulphur Spgs§	Maximum	32	30	52	49	30	18	16	33	34	32	32	32	44	32	47	37	36	34	34	23	30	39	28	28	33	33	39	54	59	....	....	35.
	Minimum	25	28	25	28	29	18	16	8	9	19	20	27	22	27	12	11	31	28	29	17	17	10	16	23	26	28	23	21	23	....	....	21.
Williamson§	Maximum	52	48	59	63	49	31	26	26	39	39	37	37	34	47	48	43	48	40	43	46	25	33	38	38	38	43	38	50	54	....	....	41.
	Minimum	29	35	31	32	34	30	23	20	20	24	19	23	32	31	33	25	25	38	38	36	20	20	22	23	23	33	35	28	28	....	....	27.

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXII Parkersburg, W. Va., March, 1924 No. 3

GENERAL SUMMARY

March was cool and generally cloudy, with the precipitation averaging slightly above the normal. The month was characterized by low mid-day temperatures, unfavorably distributed rainfall, and excessive rainfall and floods over the northern districts near the close of the last decade. The daily minimum temperatures were somewhat above the March average. The snowfall was nearly twice the average and was the heaviest of March record since 1906, except in 1914 and 1916 During the greater part of the month, however, the ground was practically bare in most agricultural districts, and the conditions were unfavorable for winter grains. Farm work was also about ten days late at the close of the month. The conditions, however, were excellent for fruit trees, fruit buds being dormant at the close of the month.

RIVERS

Excessive rain and melted snow over the northern districts on the 28-29th caused marked floods in the Monongahela and Potomac basins. The business section of Piedmont was covered with from 4 to 8 feet of water, resulting in a heavy property loss. Railroad and traffic bridges from Piedmont to Westernport were washed away. The greatest damage, however, was wrought in Cumberland, Md. The river at Pittsburgh reached a stage of 29.2 feet, the highest stage since March, 1913, and at Parkersburg and Point Pleasant the crest stages were slightly more than 4 feet above the flood-line, or 40.2 and 44.5 feet, respectively.

TEMPERATURE

The monthly mean for the State, determined from 53 stations, was 38.9°. The departure from the normal for 42 stations having ten or more years of record was −3.9°. The first six days were moderately warm, but the temperature was continuously below the normal from the 7th to the 27th, with the lowest readings occurring generally on the 7th, 9th, and 17th. Moderately warm weather prevailed from the 27th to the 30th, with the highest temperature occurring on the 29th. Colder weather set in on the 31st.

PRECIPITATION

The average precipitation for the State, determined from 76 stations, was 4.16 inches. The departure from the normal for 47 stations having ten or more years of record was +0.33 inch. Most of the precipitation was received on the 5th, 10-11th, 21st-22d, 26th, and 28-29th, the greatest amounts being recorded on the 11th, 21st, and 29th. Most of the snowfall was received on the 10-11th and 21st, but in the more elevated localities light to moderate snow fell on the 2d, 6th, 15-16th, and 27th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bruceton Mills, 5th.

Halos, lunar: Bayard, 14th; Parkersburg, 13th; Wheeling, 13th and 19th.

Halos, solar: Bayard, 28th; Bruceton Mills, 14th and 28th.

Sleet: Union, 1st; Lost Creek, 2d; Wheeling, 20th; Bayard, Brandywine, and Union, 21st.

Thunderstorms (dates and number of stations reporting): 6th, 1; 7th, 1; 21st, 1; 25th, 1; 26th, 5; 28th, 4; 29th, 23; 30th, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations.	Mean barometric pressure. (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	29.92	49	62	78	129.7	35	6,603	8.9	45	sw.	29
Columbus, Ohio	29.91	79	69	77	112.2	30	8,825	11.9	44	sw.	29
Elkins	29.89	81	67	72	144.4	39	5,686	7.6	39	sw.	30
Lexington, Ky	29.93	82	74	....	111.5	30	10,926	13.3	66	sw.	29
Parkersburg	29.91	80	58	68	153.4	41	5,319	7.1	33	w.	7
Pittsburgh, Pa	29.89	76	63	63	155.7	50	9,711	13.1	44	sw.	30
Wytheville, Va	29.88	74	60	66	156.5	42	6,515	8.8	35	w.	7

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	34.9	......	......	4.91	......	......	......	......	......	......
1892	36.4	87	8	3.50	......	......	......	......	......	......
1893	40.7	84	3	1.49	2 89	0.89	5.2	8	8	15
1894	45.8	88	1	1.94	3.05	0.75	1.9	15	9	7
1895	39.6	90	0	3.05	4.75	0.89	7.9	11	9	11
1896	36.1	76	−10	4.45	8.40	1.76	......	10	8	13
1897	46.1	81	12	3.60	6.52	1.33	......	9	10	12
1898	48.5	86	9	5.13	10.05	1.25	T.	8	9	14
1899	42.5	76	0	5.82	8.48	2.40	4.5	7	9	15
1900	38.5	78	− 5	3.79	6.48	2.18	14.7	7	9	15
1901	42.9	83	−11	3.23	5.27	0.90	2.3	8	8	15
1902	43.4	80	− 5	4.30	6.29	3.00	15.0	10	9	12
1903	51.3	87	13	4.47	6.59	2.70	0.2	10	9	12
1904	43.8	86	7	4.12	6.10	1.38	1.9	9	8	14
1905	46.6	88	− 2	4.10	6.46	1.45	0.7	14	7	10
1906	37.3	75	− 7	4.77	8.11	1.98	13.4	7	6	18
1907	49.6	94	2	4.77	8.18	1.05	4.2	12	8	11
1908	47.8	89	15	6.04	8.60	1.23	1.1	11	8	12
1909	40.8	83	10	3.38	8.66	1.10	4.7	9	10	12
1910	49.5	90	5	0.55	2.25	0.04	1.1	18	9	4
1911	40.5	90	− 5	3.30	7.86	1.12	5.2	11	8	12
1912	39.9	80	6	5.02	9.36	1.78	5.1	8	7	16
1913	45.7	89	− 3	4.53	7.90	1.77	2.7	11	9	11
1914	37.3	83	−13	3.03	7.11	0.89	17.7	10	8	13
1915	34.4	63	7	1.61	4.32	0.53	6.7	12	7	12
1916	38.5	88	− 4	4.88	9.88	2.49	9.0	11	7	13
1917	41.9	85	− 3	6 58	14.20	3.10	11.6	14	4	13
1918	46.5	85	9	4.26	9.37	1.55	0.1	16	5	10
1919	44.5	81	12	2.92	4.81	1.60	0.8	16	6	9
1920	42.8	83	− 5	3.38	8.87	1.40	3.1	17	5	9
1921	52.7	90	10	2.84	5.75	0.63	T.	14	8	9
1922	45.0	85	0	5.33	8.19	1.40	3.3	10	5	16
1923	41.7	82	− 4	3.23	5.50	0.88	3.2	15	5	11
1924	38.9	83	4	4.16	7.86	1.60	9.9	10	7	14
Means and extremes	42.7	94	−13	3.90	14.20	0.04	5.2	11	8	12

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., March, 1924

See temperature and precipitation data in Climatological Tables, Pages 10, 11, and 12

Station.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation	.035	.090	.020	.060	.055	.018	.137	.100	.030	....	....	.020	.100	....	.160	.100	.050	.052	.068	.090	...	.000	.010	.025	.065	.025	.080	.155	.290	.460	.130	2.425
	Wind movement	55	80	77	48	54	80	129	224	43	47	164	154	129	77	150	192	76	36	79	68	69	28	37	24	40	127	131	61	90	274	122	2,965

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for March, 1924.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.				No. of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Precipitation 0.01 in. or more.	Clear.	Partly cloudy.	Cloudy.		
Panhandle Division.																				
Bayard	Grant	2,700	23	34.8	− 2.9	72	29†	10	14†	39	7.86	+3.48	3.37	29.5	14	13	3	15	w.	U. G. Clark.
Brandywine	Pendleton	......	8	36.3	......	68	29†	15	8	35	3.05	......	......	19.0	6	15	1	15	n.	Elmer Keister.
Burlington	Mineral	875	30	42.6	+ 1.4	78	30	20	1	40	5.78	+2.72	3.10	13.0	5	19	7	5	w.	Mrs. Louie Bumphrey.
Harpers Ferry	Jefferson	244	35	......	......	......	......	......	......	....	5.49	+2.45	1.88	14.5	10	......	......	......	......	J. C. Newcomer.
Inwood	Berkeley	569	2	40.7	......	72	28	21	20	42	4.32	......	1.90	14.0	8	22	6	3	nw.	H. W. Prettyman.
Martinsburg	Berkeley	435	32	41.4[a]	+ 0.1	81[a]	29	23	13†	42[a]	5.91	+2.69	2.15	14.0	10	17	11	3	nw.	Dr. H. S. Gardner.
Moorefield	Hardy	900	28	41.0	− 2.9	77	29†	16	9	43	4.28	+1.61	2.10	8.0	9	28	0	3	......	M.S.Henkel.
Piedmont	Mineral	919	11	38.0	......	72	29	20	1†	36	4.46	......	2.02	15.0	8	10	10	11	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	26	39.4[c]	− 3.2	76[c]	29	19[c]	1†	39[e]	5.37	+2.27	1.90	25.0	11	13	8	10	......	Richard A. Bergdoll.
Stony River Dam	Grant	......	4	......	......	......	......	......	......	....	5.21	......	2.02	30.5	13	5	6	20	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	25	37.4[b]	− 5.5	70[b]	29	16[b]	9	33[b]	3.20	+0.66	1.50	10.0	4	14	0	17	.	J. M. Mallow.
Wardensville	Hardy	1,200	6	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	Luther F. Sutton.
Averages and	extremes	......	....	39.1	− 2.2	81	29	10	14†	43	4.99	+2.27	3.37	17.5	9	16	5	10	w.	
Northern Division.																				
Bens Run	Pleasants	622	22	40.3	− 2.9	77	29	21	9	34	4.45	+0.31	2.02	6.0	10	14	6	11	......	J. D. Riggs.
Benson	Harrison	1,080	1	39.9	......	80	30	15	9†	41	3.46	......	1.70	2.0	9	3	18	10	......	R. D Marts.
Brownsville	Lewis	1,032	1	40.2	......	79	29	13	9	43	4.24	......	1.35	10.0	11	11	12	8	w.	S. L. Montgomery.
Bruceton Mills	Preston	1,549	4	......	......	......	......	......	......	....	4.42	+1.01	2.18	16.1	9	0	17	14	nw.	W. M. Wolf.
Buckhannon	Upshur	1,411	27	39.0	− 2.6	75	29	17	9	34	4.75	+0.23	1.40	8.0	8	10	6	15	......	H. A. Darnall.
Cairo	Ritchie	680	25	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	O. C. Hess.
Cheat Bridge	Randolph	3,558	6	29.4[a]	......	50[a]	28†	4	7	40[a]	6.01	......	1.92	44.5	13	19	3	9	......	H. F. Cromer.
Clarksburg	Harrison	1,015	2	41.4	......	80	29	16	9	43	3.81	......	1.86	3.5	14	7	12	12	nw.	Clarksburg Water Board.
Cortland	Tucker	3,300	13	......	......	......	......	......	......	....	6.10	+1.95	2.00	24.0	9	2	16	13	......	G. W. Harmon.
Crawford	Lewis	1,087	1	......	......	......	......	......	......	....	6.01	......	1.85	......	15	10	11	10	w.	J. Cecil Owens.
Creston	Wirt	701	22	40.6	− 3.6	80	29	17	9	40	3.50	−0.52	1.33	2.5	10	9	1	21	w.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	3	......	......	......	......	......	......	....	4.55	......	1.79	5.8	15	......	......	......	w.	Lockmaster.
Dam 12 O. R.	Ohio	614	8	......	......	......	......	......	......	....	4.46	......	1.53	......	12	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	605	8	......	......	......	......	......	......	....	4.16	......	1.54	......	13	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	3	......	......	......	......	......	......	....	4.18	......	2.03	6.0	12	......	......	......	......	Lockmaster.
Davis	Tucker	3,093	15	......	......	......	......	......	......	....	6.39	......	2.20	25.8	18	6	9	16	w.	Ross C. Male.
Elizabeth	Wirt	646	12	......	......	......	......	......	......	....	3.65	......	1.33	......	9	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	23	36.5	− 3.5	75	29	14	9	38	4.41	+0.34	1.33	12.3	19	2	14	15	w.	U. S. Weather Bureau.
Fairmont	Marion	883	18	37.8	− 3.9	75	29	20	9†	34	5.20	+1.29	2.66	8.0	16	14	0	17	w.	Creed E. Bolyard.
Glenville	Gilmer	738	30	42.2	− 2.1	83	30	17	9	39	3.97	−0.27	1.09	6.0	12	8	10	13	w.	Howard R. Brannon.
Horner	Lewis	1,044	1	......	......	......	......	......	......	....	3.10	......	1.27	3.0	6	18	7	6	......	Thomas E. Miles.
Janelew (near)	Lewis	1,020	1	40.8	......	79	28†	12	8	44	4.01	......	1.33	11.0	12	11	10	10	nw.	Dan Burkholder.
Lost Creek	Harrison	1,026	26	38.6	− 4.1	76	29	10	9	43	3.13	−0.96	1.68	2.5	11	7	10	14	w.	Allen Smith.
Mannington	Marion	974	21	38.8	− 4.1	77	29	18	17	39	4.59	+0.84	2.08	8.9	14	6	10	15	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	31	37.8	− 4.2	76	29	18	2†	35	2.60	−1.11	1.43	8.0	4	2	10	19	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	21	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	T. E. Blake.
New Cumberland	Hancock	987	26	36.0	− 4.0	78	29	20	14	37	3.63	+0.27	0.99	7.0	11	6	5	20	n.	Geo. W. Derouin.
New Martinsville	Wetzel	634	30	39.4	− 4.2	80	29	17	9	38	3.95	+0.30	1.50	2.0	9	6	8	17	n.	Wm. Ankrom.
Parkersburg	Wood	638	37	40.0	− 3.0	81	29	24	14	30	3.37	−0.45	1.24	3.0	12	6	7	18	nw.	U. S. Weather Bureau.
Parsons	Tucker	1,656	24	36.7	− 3.2	74	29	12	9	43	5.51	+1.45	2.46	15.0	7	8	8	15	......	J. W. Swisher.
Philippi	Barbour	1,149	27	39.9	− 2.6	81	29	17	14	31	4.69	+0.49	2.22	8.5	10	7	7	17	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	21	33.7[a]	− 6.0	72[a]	29	9[a]	17	36[a]	6.74	+0.96	1.45	30.0	15	7	9	15	w.	Dr. J. L. Cunningham.
Roanoke	Lewis	1,050	1	......	......	......	......	......	......	....	3.51	......	1.17	6.5	9	......	......	......	......	Miss Mary A. Conrad.
Rowlesburg	Preston	1,375	37	......	......	......	......	......	......	....	6.70	+2.40	3.12	11.8	15	......	......	......	......	J. F. Pierce.
Saint Marys	Pleasants	577	15	......	......	......	......	......	......	....	4.41	+0.79	1.62	2.0	12	......	......	......	sw.	Wm. Hughes.
Smithfield	Wetzel	835	18	38.4	− 3.2	68	28†	17	9†	36	5.71	+1.74	3.62	4.8	11	15	6	10	se.	G. M. Whisler.
Terra Alta	Preston	2,612	23	31.9	− 7.1	70	29	10	14	32	4.76	−0.06	2.25	14.4	14	5	14	12	w.	J. J. Shanahan.
Valley Chapel	Lewis	1,011	1	41.8	......	80	29†	16	9†	42	3.81	......	1.57	1.0	11	18	5	8	w.	J. C. Campbell.
Vandalia	Lewis	1,120	1	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	W. S. Linger.
Wellsburg	Brooke	1,225	23	38.2	− 1.0	79	29	20	17	39	4.41	+1.19	1.32	2.5	8	8	14	9	w.	George P. Pfister.
Weston	Lewis	1,026	28	40.5	− 3.3	77	29†	18	9	32	3.15	−1.32	1.43	6.0	9	6	14	11	......	Weston State Hospital.
Wheeling	Ohio	645	37	37.0	− 4.2	79	29	17	15	38	4.18	+1.12	1.50	7.2	12	6	5	20	sw.	Miss M. B. Forsyth.
Averages and	extremes	......	....	38.3	− 3.6	83	30	4	7	41	4.45	+0.50	3.62	9.6	11	8	9	14	w.	
Southern Division.																				
Bancroft	Putnam	574	20	40.4	− 4.1	80	29	19	17	47	3.51	−0.43	1.12	3.9	15	6	5	20	nw.	E. H. Morrow.
Beckley	Raleigh	2,440	24	35.5	− 7.9	66	28	17	8	43	1.60	−2.26	0.82	1.2	4	6	10	15	w.	E. E. Phipps.
Bluefield	Mercer	2,558	29	42.5	− 1.8	77	3	17	11	48	3.20	−0.46	1.20	17.5	13	14	0	17	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	9	......	......	......	......	......	......	....	3.60	......	1.60	T.	5	6	0	25	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	21	42.2[c]	− 6.5	75[c]	28	22[b]	15	34[c]	3.62	−0.78	0.89	5.0	11	15	13	3	......	C. V. Lewis.
Clay	Clay	706	8	......	......	......	......	......	......	....	3.98	......	1.17	4.2	17	......	......	......	......	Ted Thomas.
Dam 19 O. R.	Wood	557	8	......	......	......	......	......	......	....	3.68	......	1.36	......	12	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	8	......	......	......	......	......	......	....	3.78	......	1.30	......	14	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	8	......	......	......	......	......	......	....	2.92	......	0.75	......	11	......	......	......	......	U. S. Engineer Office.
Gary	McDowell	1,426	8	40.0[e]	......	74[e]	30	19[c]	17	42[j]	3.27	......	1.27	......	14	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,450	27	41.2	− 3.0	77	29	21	11†	48	2.96	−1.09	0.96	4.0	14	9	0	22	n.	J. B. Lavender, C. E.
Huntington	Cabell	538	30	41.2[a]	− 3.4	80[a]	29	23	17	40[a]	2.76	−1.58	1.18	0.6	11	9	3	19	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	5	......	......	......	......	......	......	....	1.96	......	0.60	......	9	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	8	......	......	......	......	......	......	....	3.57	......	0.65	......	19	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	24	38.4	− 3.6	70	29	17	15	44	2.58	−1.38	1.23	7.0	8	12	6	13	nw.	Geo. T. Argabate.
Logan ††	Logan	700	21	43.9	+ 8.3	82	29	23	17	38	5.95	+0.70	1.00	2.5	15	8	8	15	......	Geo. R. Travis.
Marlinton	Pocahontas	2,131	25	34.0	− 4.6	66	29	14	9†	40	3.65	−0.71	1.20	3.5	7	1	19	11	sw.	S. L. Brown.
Point Pleasant	Mason	553	31	......	......	80	29	......	......	....	3.28	−0.85	1.26	2.0	10	11	0	20	ne.	Miss Grace E. Henson.
Powellton	Fayette	933	28	42.8[m]	− 2.9	80[m]	29	22[m]	10†	43[n]	......	......	......	......	......	6[m]	0[m]	12[m]	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	8	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	Raleigh Coal & Coke Co.
Ravenswood (Dam 22)	Jackson	538	9	41.4	......	76	29	18	17	36	2.89	......	1.25	......	10	6	0	25	nw.	Lockmaster.
Robertsburg	Putnam	574	24	39.3	− 5.3	78	29	18	17	41	2.71	−1.37	1.11	1.0	11	10	0	21	......	M. Frazier.
Ryan	Roane	700	21	38.4	− 5.5	80	29	13	17	44	4.53	+0.21	1.26	13.2	15	6	8	17	......	Wm. E. Ryan.
Sharples	Logan	......	4	......	......	......	......	......	......	....	3.95	......	0.80	......	11	......	......	......	......	F. H. Locke.
Spencer	Roane	784	20	39.0	− 3.9	78	29	17	17	38	3.52	−0.42	1.02	5.0	12	2	14	15	......	A. M. McKown.
Sutton	Braxton	839	18	39.0	− 6.6	72	29†	17	9	41	4.81	+0.78	1.30	19.0	9	17	0	14	......	C. B. Eakle.
Union	Monroe	2,250	20	40.3[e]	− 2.7	71[e]	28	18[e]	11†	46[e]	5.43	+1.69	1.25	8.0	14	6[d]	5[d]	16[d]	......	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	14	35.8	− 8.9	63	28†	19	8	40	2.62	−2.50	0.90	6.8	14	20	0	11	......	E. J. Comar.
Williamson	Mingo	660	24	40.1	− 6.7	76	29	24	11	41	3.40	−1.20	0.88	3.0	13	8	8	15	w.	J. F. Keyser.
Averages and	extremes	......	....	39.5	− 4.8	80	29	13	17	48	3.38	−0.77	1.60	5.8	12	9	5	17	w.	
State averages and	extremes	......	....	38.9	− 3.9	83	30	4	7	48	4.16	+0.33	3.62	9.9	11	10	7	14	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, [a], [b], [c] appearing in the table indicate number of days missing; for example, [b] represents two days, etc.

Daily Precipitation for March, 1924.

Stations.	Drainage basin.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division.																																	
Bayard	Potomac		T.		T.	.19	T.	.09	.04		.09	1.58	.24	.08	T.	T.	T.			T.		.49	.27	.08			.56	.39	T.	3.37	.39		7.86
Brandywine	do		T.								*	*	1.50								T.	.50					.30			.75			3.05
Burlington	do					.80					T.	.88	.20									.80						T.		3.10			5.78
Harpers Ferry ‖	do						.20	.01				1.15	.29									.73	.76				.32	.15		1.56	.32		5.49
Inwood	do						.16				.13	.60										.70					.68	.10		1.90	.05		4.32
Martinsburg	do					.23	T.				1.20	.10									.85	.52				.50	.08		1.42	.73		.28	5.91
Moorefield	do		.02					.07			.16	.16										.48	.10				.36			2.10	.83		4.28
Piedmont	do		.12			.05		T.			.28	.80										.43					.62	.14		2.02			1.46
Romney	do	.01					.10	.06			.07	1.90	.21									.75	.15				.31			1.64	.11		5.37
Stony River Dam ‖	do										.16	.88	.24	.16		.08	.08					.48	.04			.16	.16	.20		2.02	.55		5.21
Upper Tract	do					T.					.10	.80									T	.80								1.50	T.		3.20
Wardensville ‖	do																																......
Northern Division.																																	
Bens Run	Ohio				.06	.25	.02				.25	.32									.26	.86					.41		.20	1.82			4.45
Benson	Monongahela					.07		T.			.28	.23	.02	T.	T.	T.						.57		.03			.41	.15		1.70			3.46
Brownsville	do		.06			.25		T.			.23	.64	.16			T.			T.	.03	T.	.51	T.	.08			.74	.19		1.35			4.24
Bruceton Mills ‖	do			T.	T.	T.		.06	.05		.22	.96	.18	T.					T.			.04	T.			T.	.30	.43	T.	2.18		T	4.42
Buckhannon	do				T.	.60		.10			.30	1.00							T.		T.	.50	.05	T.			.80			1.40			4.75
Cairo	Little Kanawha																																......
Cheat Bridge ‖	Monongahela						.20			.05	.24	1.92	.45	.30						.32			.08	.04	.15	.30				1.56	.40		6.01
Clarksburg	do				.01	.07	T.	.01			.27	.29	.03	.02								.54	.06	.04	T.		.41	.19	.01	1.86			3.81
Cortland ‖	do					.70				.16			1.44			.16					.30	.16				.60			2.00	.58			6.10
Crawford	do				.15	.75		.40			.25	.45	.35	.15	.05						.20	.31	.25			.05	.60	.20		1.85			6.01
Creston ‖	Little Kanawha		.29			.13			T.		.05	.20	T.	T.	T.	T.	T			T.		1.33	.08				.23	.18		.82	.19		3.50
Dam 10, Mon. R. ‖	Monongahela	.02				.11	.01	.03	.03	T.		.70	.43			T.				.03		.61	.09	.04			.41	.25		1.70	.09		4.55
Dam 12, O. R. ‖	Ohio			T.		.66		T.	.02		.11	.31	.08									.96	.02	.02			.54	.18		1.53	.03		4.46
Dam 13, O. R.	do			.02		.50		.02			.10	.20	.10									1.00	.04	.05			.40	.16		1.54	.03		4.16
Dam 15, Mon. R. ‖	Monongahela					.14	.07				.04	.27	.21									.61	.06	.04			.38	.23		1.95	.08		4.08
Davis ‖	do		.05				.25		.02	.04	.03	.66	.48	.20		.04	.25			.33		.08	.23	.05			.38	.57		2.20	.53	T.	6.39
Elizabeth ‖	Little Kanawha					.39					.16	.32	.02									1.33	.08				.28	.14		.93			3.65
Elkins ***	Monongahela	.02	.05		.01	.23	.02	.02	T.		.52	.69	.10	T.	T.	T.	T.	T.	T.	.02	.09	.08	.02	.05	T.	.13	.95	.07	.18	1.16			4.41
Fairmont ‖	do	T.		T.		.10	.03	.03	.03	.03	.10	.50	.24	.07	T.	T.				T.		.50	.13	.07	T.	T.	.43	.28		2.30	.36	T.	5.20
Glenville ‖	Little Kanawha		T.			.04	.50	T.			.18	.64	.06									.72	.14	.05			.36	.19		.91	.18		3.97
Horner	do					.39					.26	.34	.07															.77		1.27			3.10
Janelew (near)	do			.03	.18					.23	.38	.04									.41	.05	.03			.71	.22			1.33		.40	4.01
Lost Creek	do		T.		.02	.04		T.			.19	.22	T.			T.			T		.10	.42	.02	.03			.28	.13		1.68			3.13
Mannington	do				.04	.13		.03	.01		.35	.40	.05			T.					.08	.57	.04	.07			.56	.18		2.08			4.59
Morgantown	do				T.			T.			T.	.64	T.								T.		.11				.42			1.43			2.60
Moundsville ‖	Ohio																																......
New Cumberland ‖	do			.08		.58			.08		.05	.31	.02									.95					.48	.09		.93	.06		3.63
New Martinsville	do					.35		T.			.35	.20	.10									.85	.05				.35	.20		1.50			3.95
Parkersburg ***	Ohio	T.			.23	.04		.05	T.		.31	.10	T.	T.	T.	T.			T.		1.10	.15	.03		T.	.13	.20		.24	.79			3.37
Parsons	Monongahela	T.				*		T.	T		.08	1.04	.04	.04			T	T.	T.			T	T.	T.			1.85			2.46			5.51
Philippi	do		.05		.04	.50	T.	T.			.35	.56	T.						T.	T.	.10	.25	.10		T.		.52			2.22	T.		4.69
Pickens	do		.19		.08		.21				.24	1.28		.60		.16	.16				.26	.16	.33				.78	.16		1.45	.68		6.74
Roanoke	do		T.			.36	T.	T.			.21	.49	.08			T.						.45	T.	.03			.52	.19		1.17			3.51
Rowlesburg ‖	do					.05	.20	.14				.70	.50		.14		.08	.08				.35	.25	.06			.33	.70		2.70	.42		6.70
Saint Marys ‖	Ohio			T.		.35			.05		.12	.42	.05							.02		1.27	.05				.30	.16		1.57	.05		4.41
Smithfield ‖	Fishing Creek					.26	.01		T.	T.	.20	.34	.08									.66	.08	.06			.40			3.60	.02		5.71
Terra Alta	Monongahela		T.		T.	.12	T.	.07	.02		.07	.31	.02						.10	.05		.16	.08	.03		T.	.96	.22		2.55		T.	4.76
Valley Chapel	do		.03		.08						.30	.20										.62	.03	.02	.03		.72	.21		1.57			3.81
Vandalia	do																																......
Wellsburg	Ohio				.05	.76		T.			.22	.30										1.05					.60	.11		1.32			4.41
Weston	Monongahela				.12	.10	T.				.30	.32									.12	.05			.06		.65			1.43			3.15
Wheeling ‖	Ohio					.58		T.	.01	T.	.10	.27	.12	T.		T.						.96	.02	.03			.40	.16		1.50	.03		4.18
Southern Division.																																	
Bancroft ‖	Great Kanawha		.10			.20	.10		.01		.20	.21	.04							.07		1.12	.06		.08		.12	.02		.83	.35		3.51
Beckley	do					.35											.10	.33												.82			1.60
Bluefield	do					.40		.10			.64	.08	.08	.08	.08	.04	.16		T.		T.	.24		.05		.05				1.20			3.20
Camden-on-Gauley ‖	do					.80	.20				T.	T.	T.			T.						.80					.20			1.60			3.60
Charleston ‖	do					.35	.34				.11	.33	.14									.89	.11		.12		.05			.75	.43		3.62
Clay	do					.20	.28		.01		.14	.70	.21	.12	.02		.01			.14		.37	.15		.11		.19	.16		.76	.41		3.98
Dam 19 O. R. ‖	Ohio					.26			.02		.11	.16	.01		T.					T.		1.36	.06	.02			.37	.10		1.16	.05		3.68
Dam 20 O. R. ‖	do		.07			.25			.01		.10	.17	.01							.02		1.30	.08	.01			.27	.12		1.27	.10		3.78
Dam 26 O. R. ‖	do					.15					.10	.15	.02									1.10	.15	.05	.10		.15			.75	.20		2.92
Gary ‖	Big Sandy					.27	.17	.14			.09	*	*	.20	T.	T.				.03		.70	.05		.23		.02			1.27		.10	3.27
Hinton ‖	do		.04			.18	.14	.10			.26	.36	.14	T.	T.				.08	.06		.32	.10		.06		.16			.96			2.96
Huntington ‖	Ohio		.02			.16				.02	.08	.16	T.	T.								.90	.06		.04		.14			1.12	.06		2.76
Kanawha Falls ‖	Great Kanawha					.35	.15	.10				.32	.14							.08			.10		.12					.60			1.96
Kayford ‖	do		.09			.21	.11	T.		.03	.04	.61	.50	.05	.02	.04	T.		.02	.06		.53	.18	T.	.21		.15	.01		.65	.06		3.57
Lewisburg	do					.24					.56	.08							.10		.11	.25	.01				T			1.23			2.58
ogan	Guyandotte					.55		.08			.40	.15	.30		.50				.60		.20	.52		.60		.55	.20		.10	.90	.30		5.95
Marlinton	Great Kanawha					T.		.58			.20	T.	T.	T		T.	T.		.04		.86	.15	T.				.62		T.	1.20			3.65
oint Pleasant ‖	Ohio					.22					.10	.15	.08			T						1.26	.12	T.			.20	.10		.90	.15		3.28
owellton	Great Kanawha					.27					.40	.25				T			.20					T.			.10						†††
aleigh ‖	do																																......
avenswood (Dam 22	Ohio		.15			.15					.08	.17	.09									1.25					.10	.05		.75	.10		2.89
obertsburg ‖	Great Kanawha		.05			.10					.10	.10										1.11	.09		.05		.14	.02		.84	.11		2.71
yan	do		.02			.20		.02			.36	.30	.79	.01	T.	T.	T.		T.		.65	.45	.03	.06	.02		.26	.10	T.	1.26			4.53
arples ‖	Coal River				.30						.40	.30	.25	T.		.20		.20				.60	.80	.20	.30					.40			3.95
encer ‖	Little Kanawha		.08	.05		T.		T.	T.		.20	.24	.20	.15	T.		T.					1.02	.08	T.	T.	.24		.16		.89	.21		3.52
tton	Great Kanawha					.86		.10			.72	.48	.16	T.		.16						.73	T.				.30			1.30			4.81
ion	do	1.00			.25	.38		.35			.10	.20	.16	.16	.08	T.			.63			.30			.50		.07			1.25			5.43
hite Sulpr. Spgs ‖	do				.65		.10			.30	.24							.10			.05	.07	.01	.05		.06	.02		.90	.03		.04	2.62
illiamson ‖	Big Sandy		.02			.56	.07				.24	.30	.15	T.	T.	T.			.08	.04	T.	.88	T.		.12		.06			.84	.04		3.40

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

††† Probably incomplete.

Daily Temperatures for March, 1924

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	50	51	45	57	50	46	45	30	44	40	33	31	36	35	26	32	40	46	41	41	36	36	48	44	44	41	46	63	72	72	54	44.4
	Minimum	22	21	30	18	34	28	25	20	17	27	20	26	22	10	14	19	21	18	25	10	26	30	28	27	33	32	30	33	40	46	26	25.1
Brandywine	Maximum	45	42	46	46	50	46	42	38	42	40	34	44	42	40	35	42	44	45	47	45	35	45	40	45	46	43	52	64	68	68	62	45.9
	Minimum	19	30	28	21	24	25	28	15	20	27	27	26	24	20	19	18	17	28	32	24	22	29	30	29	30	35	34	29	44	43	30	26.7
Burlington	Maximum	56	53	56	59	50	54	48	45	53	49	41	45	47	49	41	45	51	62	54	50	44	52	54	55	53	52	58	74	76	78	65	53.8
	Minimum	20	28	33	25	37	30	32	29	25	33	30	35	28	24	21	27	29	30	21	23	32	34	37	31	38	34	38	34	50	51	35	31.4
Inwood	Maximum	58	56	59	54	54	46	46	40	38	43	36	41	41	40	37	45	45	56	52	47	42	43	42	54	53	50	53	72	70	68	63	49.8
	Minimum	38	36	37	38	36	29	30	30	25	26	32	34	31	23	22	27	30	28	32	21	30	28	30	33	36	36	32	30	48	38	35	31.6
Martinsburg§	Maximum	45	54	56	46	49	53	48	49	37	38	42	47	41	42	45	52	61	60	52	42	54	57	61	55	50	58	63	59	81	53	....	51.7
	Minimum	27	27	27	30	31	32	31	30	28	32	33	33	23	23	23	28	29	31	32	31	33	37	30	32	37	34	37	40	39	37	29	31.2
Moorfield	Maximum	55	52	58	57	64	62	51	46	49	46	42	44	45	41	37	44	52	58	54	51	53	56	53	52	65	49	58	75	77	77	67	54.5
	Minimum	28	28	27	20	34	25	28	24	16	27	24	30	26	19	18	23	24	25	28	18	20	24	31	26	32	32	35	32	45	51	32	27.5
Piedmont	Maximum	46	43	46	50	44	44	40	34	44	43	38	36	38	35	31	37	44	50	45	45	42	44	50	48	47	47	52	68	72	70	55	46.1
	Minimum	20	25	30	25	37	32	30	27	27	31	27	33	29	20	20	25	27	28	30	21	30	33	35	34	35	32	35	32	44	42	32	29.9
Romney	Maximum	51	47	56	54	47	46	46	38	46	37	43	43	43	40	36	46	49	....	56	....	49	53	52	52	50	48	70	71	76	....	48	49.8
	Minimum	19	27	32	23	35	27	29	28	24	30	27	32	29	20	19	25	27	27	....	20	....	29	34	29	35	33	36	32	48	....	33	28.9
Upper Tract	Maximum	54	55	....	48	54	55	42	40	42	42	41	40	38	34	30	40	45	46	47	48	48	45	46	46	45	....	59	67	70	65	60	48.0
	Minimum	22	25	....	22	23	25	30	30	16	23	23	26	27	20	20	26	29	26	27	20	20	30	30	30	29	....	30	34	46	34	32	26.7
Northern Division																																	
Bens Run	Maximum	57	45	54	63	53	52	48	36	43	41	47	38	43	38	37	43	47	51	49	50	41	41	46	50	58	47	58	69	77	67	48	49.6
	Minimum	29	23	34	30	36	33	29	28	21	31	25	24	30	24	24	26	23	32	27	28	33	35	35	32	37	39	36	35	50	40	32	31.0
Buckhannon	Maximum	47	41	49	62	55	55	43	35	45	45	34	37	38	33	32	38	41	48	42	55	47	40	45	47	48	45	54	68	75	70	50	47.2
	Minimum	28	28	31	28	40	34	29	25	17	20	24	30	28	21	20	28	20	31	32	25	34	34	33	36	37	40	35	35	50	50	31	30.8
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Clarksburg	Maximum	58	57	52	69	57	54	59	39	44	45	37	40	40	43	34	41	49	51	49	52	51	42	45	49	52	51	55	71	80	78	57	51.6
	Minimum	28	25	31	26	42	34	29	28	16	32	25	33	30	23	22	26	26	28	27	24	34	34	35	34	36	40	36	34	51	49	32	31.3
Creston	Maximum	61	54	55	63	55	50	48	40	44	41	37	37	37	36	35	42	47	48	50	53	42	39	48	50	51	50	59	70	80	75	52	50.0
	Minimum	25	25	29	28	40	34	29	29	17	30	25	31	31	25	23	27	18	32	28	24	35	31	32	35	37	40	36	30	60	47	31	31.1
Elkins	Maximum	56	42	49	63	55	55	38	33	46	37	31	31	33	27	28	35	42	48	44	52	36	37	46	46	45	45	51	66	75	63	42	45.1
	Minimum	31	25	30	25	33	32	26	21	14	23	21	28	25	17	17	22	21	30	26	21	32	31	30	34	35	24	33	38	49	33	28	27.9
Fairmont§	Maximum	56	45	50	64	52	47	37	32	45	38	35	36	43	34	30	43	49	50	51	51	37	37	46	54	45	44	60	68	75	58	42	46.9
	Minimum	29	22	22	30	33	32	29	27	20	21	20	31	27	23	22	20	22	23	23	22	27	32	33	33	34	37	35	36	45	47	30	28.6
Glenville	Maximum	60	64	60	59	56	55	54	42	48	52	36	37	37	42	35	44	46	47	54	56	47	41	49	48	52	52	61	70	80	83	67	52.7
	Minimum	27	28	27	28	41	34	30	28	17	31	26	33	29	25	23	27	19	31	29	22	36	34	37	38	37	41	39	31	54	48	32	31.7
Lost Creek	Maximum	59	50	53	66	56	51	48	38	45	39	34	34	41	35	36	43	48	50	48	52	40	38	43	53	46	46	55	68	76	75	52	49.1
	Minimum	23	22	28	23	38	32	27	26	10	30	23	30	28	20	20	25	14	24	23	17	32	32	33	30	34	38	34	30	50	47	29	28.1
Mannington	Maximum	54	43	50	64	53	49	46	33	43	39	35	38	39	36	33	40	45	50	46	50	39	40	47	50	47	45	54	69	77	76	46	47.6
	Minimum	26	22	32	25	37	33	29	27	19	32	26	32	26	22	22	26	18	27	24	22	33	34	36	32	35	38	36	30	49	46	31	29.9
Morgantown	Maximum	43	42	49	64	55	48	46	30	40	37	33	35	36	33	29	37	44	48	43	49	37	37	46	50	46	44	52	68	76	75	42	45.6
	Minimum	26	18	34	37	35	30	25	25	25	30	25	30	25	18	19	24	25	28	26	23	31	33	34	32	35	37	34	44	49	40	29	29.9
New Cumberland§	Maximum	42	37	44	54	41	40	36	32	36	37	35	38	38	35	35	39	44	44	41	47	42	42	51	51	48	44	50	69	78	45	38	43.6
	Minimum	23	22	23	32	33	31	27	25	27	28	30	32	26	20	21	21	23	24	24	23	27	33	33	33	33	33	33	34	41	40	27	28.5
New Martinsville	Maximum	56	46	55	65	56	52	52	34	42	40	40	40	43	38	36	44	47	50	49	51	45	43	46	54	50	47	60	69	80	75	45	50.0
	Minimum	25	20	32	27	35	30	26	25	17	30	24	28	28	22	21	25	18	29	25	25	32	34	34	31	35	36	34	32	47	39	29	28.9
Parkersburg	Maximum	57	46	56	61	51	49	41	37	39	39	38	38	39	31	36	41	45	51	48	47	41	39	46	49	50	47	61	69	81	65	40	47.7
	Minimum	32	24	36	37	36	32	30	27	24	27	26	33	29	24	24	27	24	34	29	30	34	35	35	36	39	39	36	41	51	35	32	32.2
Parsons	Maximum	55	45	46	63	53	55	41	32	55	38	34	34	33	33	33	29	40	51	45	53	44	39	51	37	40	40	49	67	74	67	50	46.0
	Minimum	26	23	31	21	36	31	26	24	12	30	30	30	30	25	15	20	22	23	28	16	32	30	32	29	31	34	33	31	37	33	29	27.4
Philippi	Maximum	58	45	50	69	54	53	52	35	44	41	34	35	37	34	31	37	45	48	46	55	41	37	46	49	48	47	57	67	81	74	55	48.5
	Minimum	29	22	32	42	40	32	29	25	28	30	31	28	26	17	18	23	20	27	27	24	32	32	31	35	36	39	35	44	57	50	29	31.3
Pickens	Maximum	54	47	50	61	55	43	37	41	49	37	29	30	25	35	25	35	43	45	44	53	36	44	45	43	44	42	45	....	72	56	49	43.8
	Minimum	30	24	25	28	31	22	18	15	13	20	15	22	18	18	12	15	9	28	24	20	23	26	28	31	30	31	27	....	45	35	25	23.6
Terra Alta	Maximum	44	40	57	52	45	39	35	23	39	36	30	28	30	28	33	47	36	40	37	34	33	32	38	37	37	36	45	59	70	61	42	40.1
	Minimum	21	16	28	24	32	24	22	13	18	25	19	24	20	10	15	15	16	20	22	12	21	29	29	27	30	31	28	39	43	39	23	23.7
Wellsburg	Maximum	43	42	47	60	50	43	47	32	41	38	36	37	39	35	35	41	44	46	45	46	44	41	49	51	47	45	56	69	79	75	38	46.5
	Minimum	24	24	35	27	35	35	26	26	26	31	28	34	26	26	29	26	20	23	24	22	32	33	33	31	33	34	33	30	48	38	31	29.8
Weston	Maximum	59	59	53	55	54	53	52	37	43	43	35	35	38	39	32	41	45	46	51	50	48	39	45	50	49	49	56	69	77	77	57	49.5
	Minimum	29	27	32	29	42	32	30	27	18	32	24	32	30	23	22	26	19	29	29	25	35	34	35	36	37	40	36	37	51	49	31	31.5
Wheeling§	Maximum	46	46	55	60	47	48	36	33	45	42	37	38	44	35	35	45	45	44	50	48	39	40	46	55	50	43	60	72	79	49	39	46.8
	Minimum	23	20	21	28	25	30	26	25	26	27	25	26	24	20	17	19	25	20	20	24	26	32	34	32	34	35	33	34	44	41	28	27.2
Southern Division																																	
Bluefield	Maximum	62	75	77	63	65	63	54	42	48	58	39	34	34	35	34	45	48	52	51	55	39	40	47	49	50	61	72	73	70	75	75	54.4
	Minimum	34	28	29	40	46	35	30	20	23	25	17	21	26	23	20	25	30	35	32	31	30	28	32	34	35	34	37	53	31	33	32	30.6
Charleston	Maximum	49	48	....	....	....	64	55	45	49	43	41	44	42	42	40	38	54	52	51	49	55	47	44	51	59	51	56	75	65	58	55	51.0
	Minimum	35	33	35	....	....	40	30	31	29	25	28	34	30	28	22	26	30	27	29	25	38	35	36	37	38	37	44	41	44	44	41	33.5
Gary§	Maximum	....	62	59	64	56	64	45	....	53	39	34	34	36	33	....	39	53	50	50	48	37	....	50	44	55	53	61	72	....	74	59	50.9
	Minimum	26	....	25	27	28	39	31	24	....	24	21	24	31	27	22	....	19	20	37	32	33	32	....	33	33	35	39	30	34	....	34	29.2
Hinton§	Maximum	48	65	65	63	55	62	47	48	55	37	34	35	38	35	34	43	55	52	52	48	38	38	50	50	58	52	66	76	77	72	63	52.0
	Minimum	27	33	28	28	29	37	31	21	24	25	21	24	31	28	21	22	25	25	37	30	33	32	33	35	37	37	38	29	29	52	34	30.3
Huntington§	Maximum	61	51	58	60	47	50	50	42	44	39	40	39	41	35	35	43	45	52	49	45	38	40	48	51	51	50	61	70	80	59	....	49.1
	Minimum	36	29	28	34	42	35	30	28	27	29	26	30	32	28	27	26	23	30	35	34	37	35	35	38	40	43	40	35	40	46	32	33.2
Lewisburg	Maximum	55	50	55	57	52	54	46	47	49	44	31	31	30	33	27	33	49	49	45	41	38	39	45	48	49	47	56	69	70	66	56	47.1
	Minimum	28	31	28	25	40	32	31	21	20	26	19	27	26	23	17	20	24	34	33	27	30	30	32	35	36	35	39	25	51	50	30	29.8
Logan	Maximum	65	61	65	60	67	58	55	50	50	50	38	35	39	38	42	45	52	50	53	51	41	41	51	50	54	56	65	73	82	70	52	53.8
	Minimum	31	36	30	34	33	37	30	26	27	30	25	33	33	29	21	27	23	37	37	33	38	35	35	40	38	42	41	35	56	44	36	34.0
Marlinton	Maximum	50	40	48	54	46	46	36	34	46	38	32	30	28	30	24	32	44	42	40	40	36	38	42	40	44	44	48	60	66	58	52	42.2
	Minimum	22	30	30	22	34	24	26	20	14	20	18	22	20	18	14	16	22	32	24	18	30	30	30	30	30	34	32	20	50	41	28	25.9
Point Pleasant	Maximum	64	56	65	60	60	50	46	45	42	42	40	41	46	40	40	45	43	45	55	55	50	48	50	55	51	50	64	72	80	74	59	52.7
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Powellton	Maximum	....	....	65	63	61	56	....	....	....	54	43	....	40	....	38	40	....	47	51	....	....	....	49	48	52	55	63	73	80	....	....	51.3
	Minimum	....	....	29	30	44	36	....	....	....	22	24	....	24	....	24	22	....	27	35	....	....	....	34	39	31	42	39	30	....	....	34	31.4
Ravenswood	Maximum	62	58	57	61	57	49	46	46	42	41	44	43	33	36	36	31	45	54	52	51	45	39	50	52	52	51	61	70	76	75	51	50.9
	Minimum	27	25	29	32	38	34	28	28	20	30	26	33	31	25	25	31	18	34	28	33	33	37	34	38	37	42	33	34	52	46	31	32.0
Robertsburg§	Maximum	63	52	60	62	45	52	38	44	44	37	40	38	38	34	33	40	46	55	53	47	39	39	49	53	52	48	62	72	78	48	47	48.6
	Minimum	27	26	26	29	34	34	26	27	20	26	26	28	31	25	23	26	18	25	31	32	34	33	34	35	37	38	37	31	38	45	29	30.0
Ryan	Maximum	64	50	57	62	59	45	42	42	42	38	35	35	35	32	32	36	45	46	51	47	40	36	47	52	50	52	60	70	80	66	57	48.5
	Minimum	22	22	22	23	37	29	23	25	15	27	22	25	28	22	21	23	13	31	30	28	30	31	31	31	34	38	42	26	56	45	26	28.3
Spencer§	Maximum	58	60	60	52	50	38	40	42	42	34	31	35	37	31	33	41	46	42	50	47	37	36	47	48	48	50	59	67	78	59	46	46.7
	Minimum	27	28	32	52	33	28	27	18	22	34	32	32	30	24	23	23	17	35	30	28	33	33	31	36	41	38	35	36	40	46	28	31.4
Union	Maximum	58	....	59	61	60	57	56	46	....	51	35	34	31	31	35	....	52	54	49	48	46	37	....	48	56	55	61	71	70	....	70	51.2
	Minimum	28	....	29	28	42	33	29	21	....	21	18	28	26	24	18	....	20	32	33	32	29	29	....	31	33	41	34	25	51	....	30	29.4
White Sulphur Spgs§	Maximum	53	57	42	54	57	45	29	53	33	30	30	35	33	24	35	38	38	36	36	35	37	41	41	45	48	40	62	63	63	36	34	42.1
	Minimum	30	27	22	29	34	31	23	19	27	20	24	29	30	20	21	23	35	35	26	31	31	33	36	34	37	37	22	39	47	32	33	29.6
Williamson§	Maximum	60	48	47	63	51	51	40	41	46	37	36	35	38	33	32	48	48	48	39	40	39	38	49	46	50	50	59	70	76	65	54	47.6
	Minimum	32	32	32	32	32	38	31	26	31	32	24	26	34	29	26	26	28	36	33	36	39	35	34	36	36	38	38	34	35	38	33	32.6

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXII PARKERSBURG, W. VA., APRIL, 1924 No. 4

GENERAL SUMMARY

April averaged somewhat cooler and drier than usual, with the precipitation fairly well distributed. Frequent showers in most of the agricultural districts, however, delayed plowing and seeding. Following a cool March, several cool periods held back fruit bloom and the fruit prospects were excellent at the close of the month. While the snowfall was considerably above the April average, it was practically all received on the 1st. At the close of the month wheat was in poor condition, having been badly winter-killed; but pastures and meadows were generally in excellent condition.

RIVERS

Owing to heavy rain late in March, the Ohio River in most of the Parkersburg district was somewhat above the flood stage early in April. The following crest stages, in feet and tenths, were noted: Marietta, 39.1; Parkersburg, 40.2; Dam 19 O. R., 40.7; Dam 22 O. R., 44.0; Point Pleasant, 44.5.

TEMPERATURE

The monthly mean for the State, determined from 51 stations, was 50.5°. The departure from the normal for 40 stations having ten or more years of record was −0.8°. The month opened decidedly cool and the temperature was also somewhat below the normal on the 10-11th, 19-20th, and 22-23d. The lowest temperatures occurred on the 2d and 3d. The warm period extended from the 13th to the 17th.

PRECIPITATION

The average precipitation for the State, determined from 76 stations, was 3.24 inches. The departure from the normal for 50 stations having ten or more years of record was −0.36 inch. Light to moderate snow fell in practically all sections on the 1st, but melted nearly as fast as it fell in many localities. Rain was general from the 6th to the 10th, 17th to the 22d, and during the last three days, the greatest amounts being measured on the 6th, 18th, 28th, and 30th.

HAIL

Light hail fell in sections of the counties named below, as follows: Randolph, 6th: Webster, 18th; Berkeley, Brooke, Hancock, Lewis, Mineral, Preston, Putnam, Wirt, and Wood, 20th; Harrison, Lewis, and Marion, 21st; Lewis and Wetzel, 22d; Harrison, Lewis, Upshur, and Wirt, 28th; Roane, 29th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bancroft, 7th and 23d; Elkins, 8th; Hinton, 12th and 27th; Marlinton, 15th.

Halos, lunar: Bayard, 17th; Elkins, 11th and 12th.

Halos, solar: Bruceton Mills, 3d; Ryan, 12th.

Sleet: Bancroft, 1st; Parkersburg, 22d; Terra Alta, 19th and 21st; Wellsburg, 21st.

Thunderstorms (dates and number of stations reporting): 6th, 2; 9th, 1; 14th, 3; 17th, 1; 18th, 2; 20th, 12; 21st, 3; 22d, 3; 25th, 1; 26th, 2; 27th, 1; 28th, 14; 29th, 5; 30th, 2.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	29.98	69	48	58	237.8	60	6,003	8.3	40	w.	7
Columbus, Ohio	29.97	77	67	62	240.1	60	8,320	11.6	43	nw.	7
Elkins	30.00	79	54	62	182.0	46	4,573	6.4	41	w.	20
Lexington, Ky.	30.00	74	....	64	172.2	43	10,333	14.4	58	sw.	21
Parkersburg	30.00	67	48	52	223.9	56	4,508	6.3	46	nw.	6
Pittsburgh, Pa.	29.99	67	52	53	232.5	51	8,188	11.0	46	w.	20
Wytheville, Va.	30.00	76	58	64	203.0	52	5,668	7.8	42	w.	7

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	52.0	.....	.....	2.81	.....	.....	.....	.....	.....	.....
1892	50.6	87	17	4.28	.....	.....	.....	.....	.....	.....
1893	53.4	92	20	5.18	8.98	2.91	0.8	8	8	14
1894	50.6	90	14	3.32	5.30	1.97	1.6	12	8	10
1895	52.9	90	17	2.93	5.47	0.90	.....	11	9	10
1896	57.7	95	12	2.06	4.35	0.82	.....	13	12	5
1897	51.5	90	19	2.97	7.10	1.58	.....	11	10	9
1898	48.0	86	2	3.14	4.86	1.40	.....	10	9	11
1899	53.4	93	18	1.84	3.17	0.92	0.5	13	9	8
1900	51.8	88	16	1.35	2.08	0.43	T.	14	7	9
1901	47.5	95	18	7.05	10.70	2.50	6.0	10	4	16
1902	49.8	96	21	3.06	4.57	1.53	10.0	10	10	10
1903	51.3	91	8	4.47	7.30	2.29	0.4	11	8	11
1904	47.7	82	12	3.15	5.71	1.12	1.3	9	9	12
1905	52.2	89	14	2.78	5.57	1.10	1.5	11	9	10
1906	54.1	92	15	3.16	6.59	0.57	0.3	15	8	7
1907	45.6	92	10	3.49	6.66	1.42	6.1	8	8	14
1908	54.8	92	18	4.30	8.02	0.77	0.3	13	8	9
1909	53.0	93	10	5.04	8.57	1.70	2.4	10	11	9
1910	53.2	91	16	3.39	9.07	1.63	0.6	10	8	12
1911	49.5	88	6	4.29	7.00	0.83	1.5	9	8	13
1912	55.4	88	20	4.03	8.00	1.09	0.2	11	10	9
1913	52.4	92	12	2.99	5.48	1.61	0.1	14	6	10
1914	52.1	93	16	4.63	10.05	1.29	0.1	10	9	11
1915	55.5	101	10	1.93	5.69	0.10	T.	15	8	7
1916	50.5	90	17	3.07	5.70	1.25	4.3	9	7	14
1917	51.7	90	10	2.99	5.31	1.29	1.8	13	8	9
1918	50.3	85	18	5.11	9.14	1.88	10.4	9	7	14
1919	51.8	90	10	2.44	4.21	1.03	0.2	12	8	10
1920	49.7	91	15	4.91	7.26	1.64	1.2	8	7	15
1921	55.7	95	10	2.50	5.09	0.40	0.4	13	7	10
1922	54.4	91	15	3.15	6.76	0.50	0.1	13	7	10
1923	50.1	88	− 4	3.45	4.88	1.00	0.1	16	5	9
1924	50.5	88	12	3.24	6.37	0.72	3.6	12	6	12
Means and extremes	51.8	101	− 4	3.49	10.70	0.10	2.0	11	8	11

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., April, 1924

See temperature and precipitation data in Climatological Tables, Pages 14, 15, and 16

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
larksburg	Evaporation	.060	.040	.060	.118	.112	.019	.052	.065	.055	.111	.119	.115	.170	.150	.250	.185	.170	.045	.110	.225	.110	.415	.055	.210	.120	.170	.198	.077	.065	.030	....	3.681
	Wind movement	179	84	35	23	45	44	65	68	37	78	48	81	6	59	146	7	66	128	18	150	85	217	81	43	43	95	34	22	68	47	....	2,102

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for April, 1924

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.: Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation, in inches: Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	No. of days: Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Panhandle Division																				
Bayard	Grant	2,700	23	45.2	− 1.5	73	27†	16	3	50	3.97	+0.12	0.61	5.0	16	13	6	11	sw.	U. G. Clark.
Brandywine††	Pendleton	......	8	46.0	......	72	27	18	3	46	2.35	......	0.75	4.0	6	15	3	12	......	Elmer Keister.
Burlington	Mineral	875	30	51.5	− 0.9	83	14	26	3	47	2.92	+0.09	0.90	4.0	7	17	5	8	w.	Mrs. Louie Bumphrey.
Harpers Ferry	Jefferson	244	35	......	......	......	......	......	......	......	3.29	+0.23	0.99	6.0	9	......	......	......	......	J. C. Newcomer.
Inwood[i]	Berkeley	569	2	49.0	......	79	14	21	2	47	......	......	......	8.0	......	13	2	6	......	H. W. Prettyman.
Martinsburg	Berkeley	435	32	52.1[a]	+ 0.6	84[a]	12	24	1	48[a]	2.83	−0.32	0.71	6.0	11	14	11	5	nw.	Dr. H. S. Gardner.
Moorefield	Hardy	900	28	50.0	− 4.8	81	24	23	2†	53	2.16	−0.83	0.71	T.	7	23[a]	0[a]	6[a]	......	M. S. Henkel.
Piedmont††	Mineral	919	11	48.4	......	78	14	24	2	42	3.40	......	0.73	5.5	10	12	9	9	nw.	C. A. Suter, Jr.
Romney ††	Hampshire	824	26	50.8[d]	− 0.8	80[d]	14	25[e]	4	48[i]	2.71	−0.31	0.43	6.5	14	17	4	9	......	Richard A. Bergdoll.
Stony River Dam	Grant	......	4	......	......	......	......	......	......	......	3.04	......	0.85	7.0	12	9	4	17	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	25	47.8[c]	− 3.2	75[c]	26	21[c]	4	45[c]	0.72	−1.75	0.32	4.0	3	22	0	8	......	J. M. Mallow.
Wardensville	Hardy	1,200	6	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Luther F. Sutton.
Averages and	extremes	......	....	49.3	− 2.0	84	12	16	3	53	2.70	−0.41	0.99	5.0	9	17	4	9	w.	
Northern Division																				
Bens Run	Pleasants	622	22	53.5	+ 1.3	84	16†	25	2	48	2.94	−1.14	0.84	6.0	11	17	4	9	......	J. D. Riggs.
Benson	Harrison	1,080	1	51.1	......	82	16†	21	3	49	3.74	......	0.82	3.0	14	6	15	9	......	R. D. Marts.
Brownsville	Lewis	1,032	1	50.7	......	83	16	18	3	49	3.92	......	1.20	8.0	14	5	14	11	w.	S. L. Montgomery.
Bruceton Mills	Preston	1,549	4	......	......	......	......	......	......	......	4.66	+0.96	0.70	8.0	15	4	11	15	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	27	50.3	− 0.8	78	16	23	3	43	4.25	−0.01	1.20	4.0	10	13	6	11	......	H. A. Darnall.
Cairo	Ritchie	680	25	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	O. C. Hess.
Cheat Bridge	Randolph	3,558	6	40.6[a]	......	71[a]	23†	12	3	48[a]	3.42	......	0.97	5.0	9	18	1	11	......	H. F. Cromer.
Clarksburg	Harrison	1,015	2	52.0	......	79	16	21	3	47	3.46	......	0.87	4.0	14	11	7	12	nw.	Clarksburg Water Board.
Cortland	Tucker	3.300	13	......	......	......	......	......	......	......	4.81	+1.29	0.97	4.0	10	11	11	8	......	G. W. Harmon.
Crawford	Lewis	1,087	1	......	......	......	......	......	......	......	6.37	......	1.15	......	16	9	11	10	w.	J. Cecil Owens.
Creston	Wirt	701	22	53.0	0	84	16	20	3	53	2.35	−1.66	0.85	1.8	13	8	2	20	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	3	......	......	......	......	......	......	......	3.45	......	0.89	2.0	15	......	......	......	......	Lockmaster.
Dam 12 O. R.	Ohio	614	8	......	......	......	......	......	......	......	3.06	......	0.65	......	14	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	605	8	......	......	......	......	......	......	......	3.24	......	0.99	5.0	14	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	3	......	......	......	......	......	......	......	3.12	......	0.78	3.0	15	......	......	......	......	Lockmaster.
Davis	Tucker	3,093	15	......	......	......	......	......	......	......	4.05	+0.08	0.74	5.8	15	7	10	13	w.	Ross C. Male.
Elizabeth	Wirt	646	12	......	......	......	......	......	......	......	2.76	−0.86	0.60	......	10	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	23	47.6	− 1.2	75	16	18	3	43	4.15	+0.86	0.93	3.9	16	4	10	16	w.	U. S. Weather Bureau.
Fairmont	Marion	883	18	49.9	− 1.9	81	16	23	2	42	3.27	−0.21	0.90	3.0	15	21	1	8	w.	Creed E. Bolyard.
Glenville	Gilmer	738	30	53.8	+ 0.4	88	17	21	3	50	4.83	+1.09	1.55	5.0	14	10	7	13	w.	Howard R. Brannon.
Horner	Lewis	1,044	1	......	......	......	......	......	......	....	4.17	......	1.67	4.0	7	19	7	4	......	Thomas E. Miles.
Janelew(near)	Lewis	1,020	1	51.8	......	82	15	19	2	52	3.61	......	1.08	......	11	12	10	8	sw.	Dan Burkholder.
Lost Creek	Harrison	1,026	26	49.2	− 1.0	81	16	17	3	50	3.66	+0.30	0.96	4.0	13	10	9	11	w.	Allen Smith.
Mannington	Marion	974	21	49.6	− 1.6	77	16	21	3	46	3.14	+0.83	0.91	2.5	12	10	7	13	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	31	51.1	− 0.1	76	14	24	2	43	2.97	−0.38	0.85	3.0	7	10	7	13	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	21	51.2[k]	− 0.6	78[e]	2	24[k]	2	54[i]	2.84	−0.28	0.96	4.5	9	10[a]	8[a]	11[a]	nw.	Fred N. Wilson.
New Cumberland	Hancock	987	26	47.6	− 1.7	74	24†	24	3	44	3.89	+0.53	1.25	3.0	12	14	3	13	n.	Geo. W. Derouin.
New Martinsville	Wetzel	634	30	51.6	− 1.4	82	16	21	3	54	3.70	+0.11	1.15	3.0	8	13	6	11	s.	Wm. Ankrom.
Parkersburg	Wood	638	37	53.6	+ 0.2	82	21	28	3	46	3.24	+0.33	1.01	4.7	12	9	7	14	sw.	U. S. Weather Bureau.
Parsons	Tucker	1,656	24	47.4	− 1.3	76	27	14	3	50	3.40	−0.45	......	4.0	......	14	7	9	......	J. W. Swisher.
Philippi	Barbour	1,149	27	52.2	+ 1.0	79	16	22	2	39	4.07	+0.14	0.80	5.0	11	13	3	14	w.	Prof. W. B. Pimm.
Pickens[a]	Randolph	2,697	21	47.6	− 0.7	78	16	13	3	43	5.53	+0.49	1.18	9.0	12	11	6	12	w.	Dr. J. L. Cunningham.
Roanoke	Lewis	1,050	1	......	......	......	......	......	......	......	4.44	......	1.13	2.0	15	......	......	......	......	Miss Mary A. Conrad.
Rowlesburg	Preston	1,375	37	......	......	......	......	......	......	......	4.14	+0.13	0.70	2.0	14	......	......	......	......	J. F. Pierce.
Saint Marys	Pleasants	577	15	......	......	......	......	......	......	......	3.01	−0.89	0.87	3.5	14	......	......	......	sw.	Wm. Hughes.
Smithfield	Wetzel	835	18	50.6[a]	− 0.4	84	16	22[a]	3	49[a]	3.38	−0.52	0.78	5.5	14	14	2	14	nw.	G. M. Whisler.
Terra Alta	Preston	2,612	23	42.6	− 4.6	69	14	17	2	38	4.32	+0.30	0.98	7.3	15	6	12	12	sw.	J. J. Shanahan.
Valley Chapel	Lewis	1,011	1	52.2	......	82	16	21	3	47	3.68	......	0.67	3.0	13	19	2	9	w.	J. C. Campbell.
Vandalia	Lewis	1,120	1	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. S. Linger.
Wellsburg	Brooke	1,225	23	49.0	0	76	14†	21	3	44	3.96	+0.85	1.08	2.0	13	16	5	9	w.	George P. Pfister.
Weston[e]	Lewis	1,026	28	50.8	− 1.7	77	16†	22	3	44	4.06	+0.01	1.40	4.0	10	7	7	11	......	Weston State Hospital.
Wheeling	Ohio	645	37	50.6[a]	− 1.5	81[a]	27	22	2†	48[a]	2.75	−0.38	0.67	5.2	12	16	1	13	sw.	Miss M. B. Forsyth.
Averages and	extremes	......	....	50.0	− 0.7	88	17	12	3	54	3.75	+0.03	1.67	4.2	13	11	7	12	w.	
Southern Division																				
Bancroft	Putnam	574	20	53.1	− 0.4	83	16	23	3	48	1.86	−1.97	0.47	1.1	16	15	3	12	se.	E. H. Morrow.
Beckley	Raleigh	2,440	24	47.6	− 2.1	75	25	20	3	32	2.28	−1.66	0.70	4.0	4	6	9	15	w.	K. E. Williams.
Bluefield	Mercer	2,558	29	53.9	+ 0.1	79	25	22	2	40	3.25	−0.13	0.90	2.0	11	16	1	13	......	Norfolk & Western R
Camden-on-Gauley	Webster	2,062	9	... ..	......	......	......	......	......	......	3.80	......	1.00	......	4	12	0	18	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	21	......	......	......	......	......	......	......	1.79	−1.94	0.50	......	13	......	......	......	......	George Huber.
Clay	Clay	706	8	......	......	......	......	......	......	......	3.21	......	0.67	8.0	14	......	......	......	......	Ted Thomas.
Dam 19 O. R.	Wood	557	8	......	......	......	......	......	......	......	2.89	......	0.70	4.0	14	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	8	......	......	......	......	......	......	......	2.70	......	0.65	......	12	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	8	......	......	......	......	......	......	......	2 18	......	0.80	......	11	......	......	......	......	U. S. Engineer Office.
Gary	McDowell	1,426	8	53.2[e]	......	84[e]	27	22[e]	3	47[j]	2.10	......	0.53	T.	14	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	28	51.6	+ 0.8	78	25	25	2	45	4.73	+1.30	1.28	3.0	10	9	3	18	w.	W. H. Gwinn.
Hinton	Summers	1,450	27	52.5	− 0.4	86	24	24	3	52	3.28	0	0.66	T.	13	8	0	22	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	30	54.4	+ 0.4	81	16	27	3	40	2.10	−1.62	0.84	0.6	12	14	2	14	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	5	......	......	......	......	......	......	......	2.14	......	0.50	......	8	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	8	......	......	......	......	......	......	......	2.83	......	0.48	2.0	14	......	......	......	......	Cabin Creek Con. Coal C
Lewisburg	Greenbrier	2,200	24	49.7	− 0.4	76	16†	18	3	46	2.85	−0.59	0.90	1.0	10	14	5	11	nw.	Geo. T. Argabate.
Logan	Logan	700	21	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Geo. R. Travis.
Marlinton	Pocahontas	2,131	25	45.0	− 2.1	72	25	14	3	46	3.53	+0.19	1.13	2.0	13	4	19	7	sw.	S. L. Brown.
Organ Cave	Greenbrier	......	2	......	......	......	......	......	......	......	2.39	......	0.58	2.0	14	......	......	......	......	D. C. Humphreys.
Point Pleasant	Mason	553	31	......	......	85	15†	......	......	......	2.49	−0.85	0.85	T.	10	15	3	12	ne.	Miss Grace E. Henson.
Powellton	Fayette	933	28	54.6[i]	+ 0.1	84[i]	21†	23[i]	3	50[i]	1.97	−1.70	0.71	2.0	6	13[h]	0[h]	9[h]	......	Elkhorn-Piney Coal Co.
Raleigh	Raleigh	2,130	8	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Raleigh Coal & Coke Co
Ravenswood (Dam 22)	Jackson	538	9	54.0	......	83	16	25	3	48	1.87	......	0.40	......	8	11	0	19	nw.	Lockmaster.
Robertsburg	Putnam	574	24	52.8	− 0.1	84	16†	21	3	51	1.62	−2.12	0.53	T.	12	15	0	15	......	M. Frazier.
Ryan	Roane	709	21	52.6	+ 0.2	83	16†	17	2	55	3.11	−0.74	1.04	2.6	13	13	3	14	......	Wm. E. Ryan.
Sharples	Logan	......	4	......	......	......	......	......	......	......	3.06	......	0.75	......	6	......	......	......	......	F. H. Locke.
Spencer	Roane	784	20	51.4	− 1.1	81[a]	16	21	3	50[a]	2.42	−1.21	0.73	3.5	12	5	20	5	......	A. M. McKown.
Sutton	Braxton	839	18	49.6	− 3.5	80	16†	20	3	44	2.97	−1.22	0.68	3.0	9	20	0	10	......	C. B. Eakle.
Union[d]	Monroe	2,250	20	51.9	+ 1.3	82	24	19	3	51	3.17	+0.28	1.06	1.0	11	6	9	11	......	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	14	49.6	+ 1.6	79	24	16	2	50	2.69	−0.39	0.60	0	17	16	4	10	......	E. J. Comar.
Williamson	Mingo	660	24	53.0	− 2.0	80	16	26	3	43	2.09	−1.80	0.96	T.	10	19	5	6	w.	J. F. Keyser.
Averages and	extremes	......	....	51.7	− 0.5	86	24	14	3	55	2.67	−0.90	1.28	1.9	11	12	5	13	w.	
State averages and	extremes	......	....	50.5	− 0.8	88	17	12	3	55	3.24	−0.36	1.67	3.6	12	12	6	12	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, [a], [b], [c] appearing in the table indicate number of days missing; for example, [b] represents two days, etc.

Daily Precipitation for April, 1924

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard	Potomac	.41	.11				.61	.36	.11	.12	.02				T.				.61	.07	.38	.06	.20	.04					.32	.16	.39		3.97
Brandywine	do	.45				T.	T.	.35		T.					T.		T.	T.	.75		.35		T.						.20		.25		2.35
Burlington	do	.32					.90	.30		.10										.50	.40						.40						2.92
Harpers Ferry ‖‖	do	.25	.37				.82	.60	.15										.47	.52		.01					.10						3.29
Inwood	do																																......
Martinsburg	do	.53	T.			.71	.29	.10		.05								.43	.46		.05	T.	T.		T.	.08			.05		.08		2.83
Moorefield	do	.45					.11	.20											.71		.15								.38		.16		2.16
Piedmont	do	.53					.73	.21		.13					T.				.55	T.	.28		.12						.21	.02	.62		3.40
Romney	do	.39	.43				.30	.37	.11	.01									.40	.22	.10	.05		.02			.03			.23	.05		2.71
Stony River Dam ‖‖	do	.32	.24				.85	.22	.10	.04										.25	.51	.11	.10							.25	.05		3.01
Upper Tract	do	.32							.20										.20												T.		0.72
Wardensville ‖‖	do																		.40	.10	.11						T.			.05	T.		+++
Northern Division																																	
Bens Run	Ohio	.34					.48	.13		.11								.02	.72	.03	.02		.16						.84	T.	.09		2.94
Benson	Monongahela	.33	.02				.45	.23		.11	.20								.48	.10	.20	.02	.23			T.			.82	.30	.25		3.74
Brownsville	do	.42	.06				.42	.17		.09	.01							.05	.37	.01	.17	.05	.10						1.20	.28	.52		3.92
Bruceton Mills ‖‖	do	.42	.08	.44		T.	.66	.25		.44					.06			T.	.58	.04	.03	.02	.24			.02			.70		.68		4.66
Buckhannon	do	.48					.78	.18		.10									.43	.10	.15	T.	.18						1.20		.65		4.25
Cairo	Little Kanawha																																......
Cheat Bridge ‖‖	Monongahela	.25	.10				.97	.12	.05										.90	.08			.85								.10		3.42
Clarksburg	do	.33	.02			T.	.44	.29		.15	T.				T.			T.	.46	.06	.20	.02	.26			.03			.87	.15	.18		3.46
Cortland ‖‖	do	.32				.47	.75	.23		.09									.70		.40		.40						.48		.97		4.81
Crawford	do	.64	.62			.05	.48	.25		.25				.03	.05				.45	.25			.25	.35			.05		1.15	.95	.55		6.37
Creston ‖‖	Little Kanawha	.12	.02				.42	.11	.05	.07									.21	.10	.19		T.	.06					.43	.42	.15		2.35
Dam 10, Mon. R. ‖‖	Monongahela	.13	.17				.49	.13	.21		.31				.01				.29	.51	.03	.09	.12	.04						.89	.03		3.45
Dam 12, O. R. ‖‖	Ohio	.30	.05				.42	.01	.26	.07	.08								.59	.37		.02	.17	.05						.65	.02		3.06
Dam 13, O. R. ‖‖	do	.24	.06				.45	.03	.22	.02	.09								.60	.32		.02	.15	.02						.99	.03		3.24
Dam 15, Mon. R. ‖‖	Monongahela	.11	.21				.42	.18	.20	.03	.32								.26	.33	.03	.04	.14	.02						.78	.05		3.12
Davis ‖‖	do	.19	.26				.74	.36	.43		.09				T.		.01		.48	.25	.34	.15	.10	.12						.45	.08		4.05
Elizabeth ‖‖	Little Kanawha	.28					.23			.28									.40		.31	.01	.09						.60	.42	.14		2.76
Elkins ***	Monongahela	.45	.01			.01	.76	.20		.11					T.	.01		.06	.46	.05	.21	.02	.13			.02			.75	T.	.90		4.15
Fairmont ‖‖	do	.10	.18				.42	.27	.23	.05	.32							T.	.28	.23	.08	.12	.05	.04			T.			.85	.05		3.27
Glenville ‖‖	Little Kanawha	1.55	T.				.52	.09	.06	.25	.04					.15			.45	.14	.16		.12						.16	.96	.18		4.83
Horner	do	.63					.63	.07											.42		.25								1.67		.50		4.17
Janelew (near)	do					.42	.30		.09								.39	.15	.14		.15							.95	.23	.29	.50		3.61
Lost Creek	do	.38	.03			T.	.52	.22		.12					T.			.01	.46	.06	.18	T.	.20			T.			.76	.20	.52		3.66
Mannington	do	.23	.02				.47	.24	T.	.14								T.	.63	.06	.11		.17						.87	.04	.16		3.14
Morgantown	do	.24					.60	.16		.22								T.	.70	T.	T.		T.						.85		.20		2.97
Moundsville ‖‖	Ohio	.36				.20													.70		*	*	.18	.02					.96		.42		2.84
New Cumberland ‖‖	do	.15					.60		.40	.28	.19								.87	.38		.08	.11	.13						.66	.04		3.89
New Martinsville	do	.45					.70	.20		.10									.80				.20						1.15		.10		3.70
Parkersburg ***	Ohio	.43	T.			.09	.08	.03		.06					.01		T.	.04	.44		.12	T.	.10			T.			.83	T.	1.01		3.24
Parsons	Monongahela	.32							*											*	*		*						*	*	3.08		3.40
Philippi	do	.33	.05			T.	.74	.24		.50								T.	.50	.03	.28	T.	.12			T.			.80	T.	.48		4.07
Pickens	do	.32	.32				.98	.18		.22					.12			T.	.72	.16	.25		T.				.18		.90		1.18		5.53
Roanoke	do	.44	.18				.71	.12		.07						.12			.31	.04	.15	.01	.09				.04		1.13	.29	.74		4.44
Rowlesburg ‖‖	do	.05	.28				.57	.43	.33		.40								.33	.22	.25	.12	.22	.12						.70	.12		4.14
Saint Marys ‖‖	Ohio	.35	T.				.33	.15	.08	.05	T.								.35	.22	.04	T.	.20	.02			.04		.23	.87	.08		3.01
Smithfield ‖‖	Fishing Creek	.42	T.				.40	.19	.25	.04	.06								.43	.35		.08	.14	.03					.21	.75	.03		3.38
Terra Alta	Monongahela	.25	.02			T.	.98	.33		.33	.01				T.			T.	.51	.08	.25	.01	.39	.01		T.			.57	.06	.52		4.32
Valley Chapel	do	.44					.39	.48		.11								T.	.36	.11	.20	.03	.14			.02			.67	.27	.46		3.68
Vandalia	do																																......
Wellsburg	Ohio	.29					.47	.25		.25								.03	1.08		.18	.05	.27	.10		T.			.50	.04	.45		3.96
Weston	Monongahela	.30					.55	.15											.46	.05	.23	.05	.15						1.40		.72		4.06
Wheeling ‖‖	Ohio	.29	.04				.40	.01	.20	.06	.05								.57	.27	.01	.01	.13	.02			T.			.67	.02		2.75
Southern Division																																	
Bancroft ‖‖	Great Kanawha	.08	.01				.03	.13	.01	.06	.05								.47	.17	.15	.02	.08				.01		.31	.15	.18		1.86
Beckley	do	.33	.65																.60										.70				2.28
Bluefield	do	.65			.10		.55			.20	.05	.15							.90				.05				.35		.05		.20		3.25
Camden-on-Gauley ‖‖	do	T.	T.	T.			1.00			.80									1.00	T.									1.00				3.80
Charleston ‖‖	do	.01					.21	.07		.02	.13								.50	.02		.02	.07				.02		.31	.24	.17		1.79
Clay ‖‖	do	.67	.18			.01	.15	.26		.13	.13								.46	.19	.11		.09						.35	.35	.13		3.21
Dam 19 O. R. ‖‖	Ohio	.20	T.				.06	.12	.03	.05	.08					.40			.51	.18	.14	T.	.14						.70	.18	.10		2.89
Dam 20 O. R. ‖‖	do	.18					.06	.18	.02	.05									.65	.19	.18		.18						.62	.29	.10		2.70
Dam 26 O. R. ‖‖	do	.05						.16		.02	.07								.80	.13	.10		.05						.40	.20	.20		2.18
Gary ‖‖	Big Sandy	.30	.10			.09		.10			.06	.07					.05		.53	.40			.06				.08		.12	.06	.08		2.10
Green Sulpr. Spgs.	do	.16	.08			T.	.52	.38	.12										.68	.32	T.						.55		.64		1.28		4.73
Hinton ‖‖	do	.66	.20		T.		.30	.24	T.	.10	T.								.62	.30	T.		.04				.50	.02	.06	.20	.04		3.28
Huntington ‖‖	Ohio	.08	T					.12		.02	.04								.70	.14	.04	.02	.06				T.		.36	.30	.22		2.10
Kanawha Falls ‖‖	Great Kanawha	.50						.37		.05									.42	.13									.25	.30	.12		2.14
Kayford ‖‖	do	.48	.17			T.	.19	.30	T.	.16	.09								.42	.22	.02	T.	.09				.23	T	.16	.22	.08		2.83
Lewisburg	do	.56					.22			.28	.03							.09	.90				.04				.11		.20		.42		2.85
Logan	Guyandotte																																......
Marlinton	Great Kanawha	.20	T.			.60	.32	.08		.26								.52	.61		.16	.08	.20				.08		.23		.19		3.53
Organ Cave	do	.18			.05		.50	.02	.14	.01	.01							.58	.30			.03				.16			.27	.05	.09		2.39
Point Pleasant ‖‖	Ohio	.15	T.			.11	T.	.20											.76	.09		.10	.20						.70	.10	.08		2.49
Powellton	Great Kanawha	.18					.31	.13											.71							.11			.53				1.97
Ravenswood (Dam 22	Ohio	.17					.10												.20	.40	.25								.25	.35	.15		1.87
Robertsburg ‖‖	Great Kanawha	.01	.05			.01	.02	.10		.04									.26	.09	.05								.32	.53	.14		1.62
Ryan	do	.21	.05			.02	.25	.04		.09								.13	.35		.05	.02	.02						.84		1.04		3.11
Sharples ‖‖	Coal River		.34				.40	.30											.60										.75		.67		3.06
Spencer ‖‖	Little Kanawha	.20	.08	T.		.30	.25	.09	T.	.06						.09			.13	.23	.09		T.							.73	.17		2.42
Sutton	Great Kanawha	.27					.52	.14		.17	.19								.58		T.								.68	.22	.20		2.97
Union	do	.31	.04			.08		.36		.15	.14							.06	1.06								.47		.30		.20		3.17
White Sulpr. Spgs. ‖‖	do				.24	.12	.20	.04	.20	.05	.03							.60	.03	.20	.02	.04				.16		.15	.25	.08	.28		2.69
Williamson ‖‖	Big Sandy	.02	T.					.18		.25									.94	.02			.06				.12	T.	.21	.24	.05		2.09

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

+++ Probably incomplete.

Daily Temperatures for April, 1924

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	41	32	54	60	62	56	47	54	58	58	55	65	65	71	68	64	65	50	52	52	63	62	54	70	70	62	73	73	56	56	....	58.9
	Minimum	27	18	16	22	32	46	33	29	35	39	28	25	27	39	33	39	42	41	32	30	23	35	32	26	38	32	23	30	43	33	....	31.6
Brandywine	Maximum	45	45	48	54	61	60	55	65	60	60	52	60	65	68	68	65	55	48	52	55	59	59	50	65	65	68	72	70	64	60	....	59.1
	Minimum	28	24	18	27	35	38	34	35	39	42	28	26	29	38	37	40	40	42	27	30	25	34	35	27	35	28	26	35	46	39	....	32.9
Burlington	Maximum	41	45	64	68	70	66	56	65	64	62	68	74	74	83	79	69	64	62	62	65	65	61	80	74	70	74	65	65	65	66	....	66.2
	Minimum	30	27	26	28	40	51	35	30	38	42	34	32	34	46	41	45	43	34	37	30	48	39	33	40	32	37	49	39	30	35	....	36.8
Inwood	Maximum	45	38	55	63	66	64	62	58	57	57	58	62	75	79	75	62	....	....	....	....	....	....	....	....	....	77	64	74	70	61	....	63.0
	Minimum	27	21	24	28	32	50	39	33	37	36	36	31	30	32	43	41	....	....	....	....	....	....	....	....	....	37	38	48	36	39	....	35.1
Martinsburg§	Maximum	45	60	63	71	58	57	63	49	62	64	71	84	83	62	63	55	58	67	78	62	63	66	83	73	67	80	72	68	68	....	....	66.0
	Minimum	24	27	30	35	38	41	35	36	39	35	34	36	45	44	43	42	40	42	43	31	37	43	36	40	40	37	43	45	41	45	....	38.2
Moorfield	Maximum	56	44	62	68	68	63	56	64	61	60	62	73	74	80	78	70	70	60	63	64	66	66	66	81	79	70	74	73	66	64	....	66.7
	Minimum	27	23	24	25	38	48	33	25	25	39	31	28	32	39	45	43	45	40	30	32	25	46	23	28	38	35	28	34	36	37	....	33.4
Piedmont	Maximum	37	38	59	65	64	57	52	58	48	60	60	70	70	78	68	64	61	48	58	55	62	58	52	76	70	65	72	50	62	57	....	59.8
	Minimum	29	24	25	30	35	49	36	35	37	41	33	32	34	42	41	42	46	41	37	38	30	42	37	34	42	36	33	39	49	41	....	37.0
Romney	Maximum	35	....	66	67	64	60	58	....	60	57	72	72	78	80	79	66	....	55	59	61	65	66	72	79	....	67	74	64	64	55	....	65.2
	Minimum	28	26	....	25	37	50	37	33	....	39	34	29	35	46	....	42	45	....	35	37	27	37	38	31	44	....	30	37	50	38	....	36.4
Upper Tract	Maximum	40	37	....	58	56	55	60	65	....	65	66	68	68	70	74	73	70	69	68	68	70	69	68	69	70	75	....	63	63	60	....	64.3
	Minimum	28	25	....	21	32	37	28	28	....	38	36	26	28	30	40	39	32	31	31	30	32	31	31	31	30	30	....	30	30	39	....	31.3
Northern Division																																	
Bens Run	Maximum	40	44	61	64	67	57	56	64	66	61	62	68	71	80	81	84	73	63	63	53	81	76	64	78	69	74	78	63	67	84	....	67.1
	Minimum	31	25	26	33	38	51	31	31	44	41	37	34	38	51	46	46	57	42	37	43	33	42	33	36	43	44	39	47	50	48	....	39.9
Buckhannon	Maximum	40	37	55	63	65	57	50	58	65	59	67	67	67	73	77	78	67	63	57	60	73	66	58	73	65	66	70	58	62	68	....	62.8
	Minimum	29	24	23	28	43	45	36	30	43	43	31	31	36	43	47	50	52	43	35	43	30	43	32	32	35	43	33	43	43	45	....	37.8
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Clarksburg	Maximum	45	39	60	65	67	67	52	59	65	65	60	70	69	77	78	79	78	67	59	61	77	76	59	76	76	67	75	74	63	69	....	66.5
	Minimum	31	25	21	28	39	50	34	30	43	40	30	30	33	44	44	42	52	45	34	42	30	42	31	32	40	44	35	40	48	43	....	37.4
Creston	Maximum	46	44	62	63	63	58	62	62	69	61	61	69	72	77	82	84	76	62	62	60	83	78	64	79	76	75	79	74	68	66	....	67.9
	Minimum	31	25	20	28	37	49	31	29	43	37	29	29	34	42	42	49	61	48	32	43	30	44	39	31	39	42	38	45	49	46	....	38.1
Elkins	Maximum	41	34	55	61	60	55	49	60	63	52	56	66	65	72	73	75	61	59	53	56	67	65	55	72	60	64	73	55	59	65	....	60.0
	Minimum	25	22	18	26	42	37	36	28	41	42	29	29	31	47	44	51	50	35	32	33	27	37	33	29	39	40	31	39	44	41	....	35.3
Fairmont§	Maximum	34	41	56	63	66	57	43	56	60	57	59	68	69	76	76	81	79	60	58	58	46	54	62	76	64	72	76	77	63	65	....	62.4
	Minimum	30	23	25	26	34	46	33	30	31	40	32	34	38	45	43	45	54	57	35	41	31	30	34	34	39	42	36	43	43	47	....	37.4
Glenville	Maximum	53	44	63	63	62	64	61	68	67	72	61	67	73	72	81	84	88	65	61	62	77	80	64	83	85	78	79	85	67	72	....	70.0
	Minimum	30	27	21	28	41	48	36	29	44	39	30	29	34	40	40	49	50	45	34	43	29	46	30	33	39	43	37	43	49	45	...	37.7
Lost Creek	Maximum	39	38	57	63	65	58	52	60	63	58	59	69	68	77	77	81	73	62	59	57	75	69	61	76	70	65	74	62	64	66	....	63.9
	Minimum	29	22	17	23	37	45	31	25	38	35	25	25	30	45	38	44	50	41	31	41	25	40	28	27	35	41	30	48	45	40	....	34.4
Mannington	Maximum	38	39	56	64	67	58	52	56	63	59	57	67	68	76	73	77	72	63	58	57	73	71	58	74	72	67	71	68	64	65	....	63.4
	Minimum	31	25	21	26	36	49	29	30	39	38	28	29	31	40	38	44	52	44	32	41	27	42	29	30	38	42	31	40	47	41	....	35.7
Morgantown	Maximum	36	38	55	64	66	56	50	55	61	58	56	66	67	76	71	75	67	60	57	56	74	70	58	75	72	67	73	68	63	65	....	62.5
	Minimum	30	24	26	36	43	46	34	30	44	38	33	35	40	54	41	51	53	41	36	41	31	40	35	37	44	42	43	46	47	51	....	39.7
New Cumberland§	Maximum	39	38	52	63	67	59	43	52	59	56	55	67	68	70	64	70	69	48	60	55	73	48	58	74	61	67	74	57	65	56	....	59.6
	Minimum	28	26	24	28	32	37	31	27	28	34	29	31	37	47	39	42	48	44	31	46	29	35	32	33	41	39	40	41	46	44	....	35.6
New Martinsville	Maximum	35	43	61	66	68	62	55	64	65	58	63	69	71	75	77	82	78	65	62	62	81	75	63	79	73	74	77	70	68	65	....	66.9
	Minimum	24	24	21	27	31	48	30	30	42	37	37	30	33	37	43	44	52	42	32	42	27	39	30	30	40	40	35	42	50	43	....	36.2
Parkersburg	Maximum	36	44	59	64	64	57	61	62	68	56	60	69	73	78	77	80	69	58	61	58	82	60	63	79	69	70	73	65	69	64	....	64.9
	Minimum	30	28	28	35	41	42	38	33	48	42	35	35	42	55	48	52	58	42	42	43	36	43	37	40	48	47	45	54	51	49	....	42.2
Parsons	Maximum	43	35	54	70	50	49	57	56	57	56	58	66	69	68	68	70	67	68	55	65	70	60	68	66	65	68	76	73	61	56	....	61.5
	Minimum	27	21	14	23	48	43	26	39	40	36	25	26	36	35	34	36	35	34	30	36	39	38	36	34	38	36	26	26	40	40	....	33.2
Philippi	Maximum	33	36	58	64	64	57	51	59	63	62	57	66	67	76	76	79	71	65	61	68	76	72	59	75	72	65	74	73	62	68	....	64.3
	Minimum	27	22	23	38	45	47	35	29	49	49	32	34	37	41	37	55	59	42	40	40	39	36	35	49	45	41	40	47	48	40	....	40.0
Pickens	Maximum	45	35	55	60	57	53	49	64	58	57	70	68	....	74	75	78	63	57	53	55	67	62	58	72	69	72	75	58	58	64	....	61.4
	Minimum	20	16	13	29	40	37	33	27	41	35	28	33	....	41	41	52	48	44	27	33	25	31	26	29	38	42	43	40	38	30	....	33.9
Terra Alta	Maximum	27	27	50	60	54	50	40	50	53	53	48	59	60	69	65	60	55	43	49	46	62	58	52	64	63	54	64	63	53	52	....	53.4
	Minimum	23	17	20	22	31	40	30	26	35	34	30	25	30	49	40	39	41	38	31	32	24	33	29	29	41	33	26	32	41	34	....	31.8
Wellsburg	Maximum	37	43	55	67	62	61	52	55	62	60	58	67	71	76	69	73	71	65	55	55	66	66	60	74	72	67	76	71	66	64	....	63.2
	Minimum	29	26	21	27	30	48	27	29	38	32	27	28	35	46	35	38	50	43	31	40	27	39	30	30	40	36	33	40	49	44	....	34.9
Weston	Maximum	44	38	56	60	60	60	60	57	....	....	....	....	....	65	72	77	77	64	57	57	72	72	55	76	76	68	68	68	61	60	....	63.2
	Minimum	31	25	22	29	40	47	35	29	....	....	....	....	....	30	44	54	55	43	35	43	31	44	32	32	41	45	37	43	48	45	....	38.4
Wheeling§	Maximum	40	45	62	69	71	61	47	60	65	57	64	71	73	80	75	79	70	50	64	64	77	53	65	80	70	74	81	57	69	....	....	65.3
	Minimum	28	22	24	22	32	40	29	29	32	36	29	30	36	46	41	45	50	44	34	44	29	35	33	32	44	40	35	43	46	46	....	35.9
Southern Division																																	
Bluefield	Maximum	65	39	59	62	55	60	64	72	74	72	60	69	73	76	76	77	77	61	60	65	72	75	68	78	79	77	76	74	68	68	....	68.4
	Minimum	25	22	23	38	37	34	30	39	52	46	37	32	43	45	48	49	48	40	34	37	36	40	34	38	51	42	44	45	44	50	....	39.4
Charleston	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Gary §	Maximum	35	40	63	55	....	60	67	74	71	57	55	....	70	78	80	83	64	60	....	65	78	....	65	80	82	....	84	66	67	70	....	66.8
	Minimum	34	28	22	28	35	....	35	37	43	51	38	30	....	34	46	48	50	53	33	....	37	46	....	33	41	49	....	40	47	52	....	39.6
Hinton §	Maximum	37	47	65	54	55	60	66	76	72	58	55	73	76	80	82	81	56	55	65	69	76	66	69	86	85	64	81	68	67	67	....	67.0
	Minimum	35	27	24	26	34	45	35	34	35	47	35	32	32	40	43	47	47	48	32	35	37	39	38	34	37	44	41	42	47	47	....	38.0
Huntington §	Maximum	36	45	60	60	67	58	70	67	71	57	60	69	73	76	80	81	69	52	63	62	80	56	61	79	78	68	76	68	69	65	....	65.9
	Minimum	33	29	27	35	40	51	38	37	39	44	34	35	39	49	51	54	58	46	42	46	40	47	35	39	45	54	48	54	50	52	....	43.0
Lewisburg	Maximum	49	38	57	53	53	61	63	70	67	64	52	66	68	74	75	76	63	50	56	61	68	62	61	76	76	67	71	67	62	65	....	63.0
	Minimum	27	23	18	29	39	43	33	33	43	47	32	26	33	40	44	41	47	41	30	35	30	44	34	30	39	45	35	46	45	41	....	36.4
Logan	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Marlinton	Maximum	34	34	50	42	52	54	54	60	62	54	54	60	62	68	70	70	50	46	50	52	62	58	54	70	72	62	70	66	56	58	....	56.9
	Minimum	24	18	14	20	32	38	36	32	38	42	30	24	28	34	42	40	42	34	28	28	30	38	36	24	42	42	32	40	44	40	....	33.1
Point Pleasant	Maximum	54	51	65	60	65	62	72	70	75	70	70	71	78	80	85	84	85	61	65	62	82	81	70	84	80	80	80	79	80	80	...	72.7
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Powellton	Maximum	....	54	63	57	....	60	66	71	....	71	....	....	76	67	72	75	70	59	....	67	84	81	....	84	83	....	83	66	....	68	....	70.3
	Minimum	....	28	23	31	....	44	33	32	....	47	....	....	31	45	46	49	....	....	....	41	34	....	....	34	43	....	41	50	....	50	....	39.0
Ravenswood	Maximum	40	44	61	63	67	61	65	66	69	63	62	68	71	78	79	83	80	67	63	64	80	79	63	78	78	73	76	78	80	68	....	68.9
	Minimum	35	35	25	35	39	46	32	29	40	33	29	32	36	38	47	51	53	44	38	44	32	44	28	33	41	50	40	49	50	42	....	39.0
Robertsburg§	Maximum	36	47	65	60	69	60	68	69	70	56	62	71	74	78	81	84	71	53	64	60	82	52	66	80	80	76	84	68	69	66	....	67.4
	Minimum	30	26	21	26	34	46	31	29	36	41	27	32	38	44	46	48	55	44	35	42	31	44	28	32	41	52	42	45	48	50	....	38.2
Ryan	Maximum	39	44	61	60	64	56	65	67	70	66	62	70	72	80	82	83	83	60	65	62	82	72	63	82	80	75	76	65	62	70	....	67.9
	Minimum	30	17	18	41	38	43	28	25	43	35	24	25	30	38	42	49	60	36	36	30	27	37	23	33	58	52	52	45	48	55	....	37.3
Spencer §	Maximum	35	43	59	60	58	55	60	62	68	54	60	70	69	76	80	81	64	54	62	64	80	54	63	78	75	72	70	60	65	....	....	63.8
	Minimum	31	24	21	30	36	45	25	28	41	40	28	31	40	47	45	47	59	54	33	44	30	54	29	33	41	49	38	46	49	48	....	38.9
Union	Maximum	63	42	60	65	50	....	62	74	72	69	56	68	....	77	75	75	75	57	59	....	71	70	66	82	81	77	....	75	65	68	....	67.5
	Minimum	30	23	19	20	39	....	33	33	44	46	35	26	....	40	44	42	46	44	31	....	31	51	35	31	39	42	....	35	44	42	....	36.3
White Sulphur Spgs§	Maximum	39	39	47	54	54	56	73	68	58	54	63	71	78	69	69	52	63	63	64	71	65	65	78	79	65	72	63	65	66	57	....	62.7
	Minimum	25	16	26	38	46	34	34	42	47	31	25	30	37	43	39	49	45	31	27	33	45	35	28	35	45	32	42	44	40	46	....	36.4
Williamson§	Maximum	38	43	59	59	63	57	69	72	71	58	57	68	70	74	79	80	68	53	60	63	78	58	63	78	78	60	75	58	68	67	....	64.8
	Minimum	32	30	26	27	38	40	38	38	40	50	36	35	35	46	46	52	54	53	38	39	42	43	35	35	40	47	47	58	48	49	....	41.2

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXII   Parkersburg, W. Va., May, 1924   No. 5

GENERAL SUMMARY

The weather for the past month was remarkable, as compared with May weather records. The temperature averaged 55.5°, the lowest of May record, except in 1917, when the State average was also 55 5°. The average rainfall, 7.20 inches, much exceeded the average for any May of previous State record, being 1.01 inches more than the average for the wet May in 1908. In sections of the central and northern counties, especially the northern portion of the eastern panhandle, the monthly amounts ranged from near 9 inches to more than 12 inches, the greatest local monthly amount of record for May, 12.20 inches, being received at Burlington, Mineral County. Floods occurred in all streams in the northern and central counties, causing a marked to slight flood in the Ohio River to below Point Pleasant, the first flood of May record for Parkersburg. Owing to flooding, many fields had to be replowed and some replanted. Farm work was nearly at a standstill and germination and growth was much retarded. Fruit was apparently in good condition at the close of the month.

RIVERS

Excessive rain over the northern and central counties on the 11-12th and continued moderate to heavy rain on the 13th, 14th and 15th, caused decided floods in the Potomac, Monongahela, and Little Kanawha Basins, and the northern portion of the Great Kanawha Basin, giving a marked to slight flood in the Ohio River to below Point Pleasant. The following crest stages, in feet and tenths, were noted: Pittsburgh, 26.3; Dam 13 O. R., 39.3; Marietta, 35.8; Parkersburg, 37.4; Point Pleasant, 45.4.

TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 55.5°. The departure from the normal for 41 stations having ten or more years of record was −6.3°. The temperature was continuously below the normal from the 1st to the 6th and from the 9th to the close of the month, except the 28th, with the lowest temperatures occurring generally on the 2d, 5th, and 10th. The highest temperatures occurred on the 6th and 7th.

PRECIPITATION

The average rainfall, determined from 80 stations, was 7.20 nches. The departure from the normal for 51 stations having en or more years of record was +3.21 inches. The heaviest ain fell over the Potomac and Monongahela Basins. Rain was uite general on the 1st and 4-5th and from the 8th to the 16th, 8th to the 21st, and from the 24th to the 29th, the greatest mounts being received on the 11-12th. Light to moderate snow il in a few of the more elevated localities of the mountain ounties on the 4th and 12th.

HAIL

Light hail fell in sections of Brooke County on the 16th and 18th and at Elkins, Randolph County, on the 16th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bancroft, 4th, 5th, 10th, 13th, 19th, and 29th; Clarksburg, 5th; Elkins, 4th, 5th, and 10th; Fairmont, 5th; Hinton, 5th, 7th, 12th, 16th, and 28th; Huntington, 5th; Marlinton, 5th, 6th, 7th, 8th, 17th, 23d, and 31st; Martinsburg, 5th, 10th, 13th, and 17th; Moundsville, 5th, 13th, 17th, and 20th; New Cumberland, 5th, 7th, and 12th; Parkersburg, 5th; Stony River Dam, 8th and 11th.

Thunderstorms (dates and number of stations reporting): 3d, 7; 4th, 4; 5th, 2; 6th, 2; 7th, 1; 8th, 6; 9th, 3; 10th, 1; 11th, 1; 12th, 1; 13th, 1; 14th, 1; 15th, 2; 16th, 1; 18th, 1; 20th, 1; 24th, 1; 25th, 1; 29th, 4.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	29 88	75	54	82	225.4	51	5,281	7.1	36	sw.	3
Columbus, Ohio	29.88	80	69	70	243.5	55	7,615	10.2	50	w.	18
Elkins	29.89	78	59	69	165.6	37	4,350	5.8	36	sw.	24
Lexington, Ky	29.89	75	....	62	163.6	37	9,768	13.4	64	sw.	24
Parkersburg	29.89	73	63	66	221.6	50	4,124	5.5	32	w.	3
Pittsburgh, Pa	29.87	70	57	60	223.9	50	8,624	11.6	44	sw.	3
Wytheville, Va	29.88	75	56	68	223.7	51	5,227	7.0	33	w.	17

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (inches)	Clear	Partly Cloudy	Cloudy
1891	57.2	......	......	3.18	......	......	......	......	......	......
1892	62.2	96	32	5.04	......	......	......	......	......	......
1893	59.5	92	30	4.51	6.41	1.83	......	12	9	10
1894	62.1	100	28	4.44	9.40	2.17	......	16	9	6
1895	61.6	105	20	2.60	6.31	0.79	......	12	11	8
1896	68.3	95	33	3.01	5.92	0.65	......	11	13	7
1897	57.6	90	23	4.60	7.06	2.17	......	13	10	8
1898	63.0	94	28	4.51	6.15	2.76	......	13	10	8
1899	64.1	96	35	5.17	7.68	3.17	......	11	11	9
1900	62.5	98	21	2.99	6.75	0.35	......	14	9	8
1901	61.8	96	21	6.15	8.88	2.50	......	11	10	10
1902	65.2	98	25	3.17	6.09	1.30	......	14	11	6
1903	64.3	95	20	3.03	6.24	0.80	T.	18	9	4
1904	61.8	98	25	3.55	5.80	1.54	T.	12	11	8
1905	64.2	96	26	4.95	7.96	1.90	0	12	10	9
1906	62.7	98	22	2.59	6.89	0.39	T.	15	9	7
1907	59.0	93	24	3.88	6.37	1.38	T.	12	10	9
1908	63.4	96	28	6.19	11.45	2.73	0.1	9	12	10
1909	60.8	93	21	3.82	6.05	1.80	0.1	14	9	8
1910	57.9	96	19	3.92	5.87	1.55	0	11	10	10
1911	66.0	100	22	1.46	6.35	0.03	0	20	8	3
1912	63.3	94	31	3.93	7.50	1.16	0	15	8	8
1913	61.6	95	19	5.16	8.86	1.89	0	14	8	9
1914	62.4	100	24	1.96	3.75	0.55	0	18	8	5
1915	61.1	92	29	4.22	6.85	2.56	0	10	9	12
1916	64.0	97	28	3.58	6.00	0.90	T.	14	9	8
1917	55.5	95	25	4.88	5.45	2.45	T.	11	8	12
1918	66.7	97	25	4.34	10.28	1.85	T.	15	9	7
1919	61.5	100	30	5.25	10.71	2.75	0	12	7	12
1920	58.9	95	24	2.76	6.97	1.08	T.	16	6	9
1921	61.4	96	24	4.48	10.67	2.12	T.	12	7	12
1922	63.7	94	26	3.67	5.83	1.55	0	14	7	10
1923	59.7	93	21	2.58	5.33	0.18	1.3	16	6	9
1924	55.5	93	23	7.20	12.20	3.91	0.1	9	7	15
Means and extremes	61.8	105	19	4.02	12.20	0.03	0.1	13	9	9

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., May, 1924

See temperature and precipitation data in Climatological Tables, Pages 18, 19, and 20

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
arksburg	Evaporation	.158	.187	.139	.096	.055	.190	.285	.210	.175	.100	.060	.093	.082	.145	.035	.040	.130	.160	.210	.085	.010	.150	.190	.162	.148	.120	.060	.105	.065	.195	.165	4.005
	Wind movement	103	96	45	68	21	24	50	44	86	26	46	84	63	14	88	17	26	74	37	33	26	43	42	78	57	47	21	49	37	103	50	1,601

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for May, 1924

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,700	23	52.2	− 4.6	82	6†	24	5	55	9.92	+5.70	2.56	T.	21	6	9	16	w.	U. G. Clark.
Brandywine	Pendleton	......	8	52.2	......	78	7	30	2†	37	5.75	......	3.00	0	10	14	2	15	sw.	Elmer Keister.
Burlington	Mineral	875	30	59.4	− 2.1	91	6	30	5	50	12.20	+8.51	2.50	0	12	8	11	12	sw.	Mrs. Louie Bumphrey.
Harpers Ferry	Jefferson	244	35	......	......	......	......	......	......	....	10.24	+6.66	3.44	0	13	......	......	......	......	J. C. Newcomer.
Inwood	Berkeley	569	2	57.8	......	90	6	33	5	48	8.64	......	3.10	0	15	11	10	10	sw	H. W. Prettyman.
Martinsburg	Berkeley	435	32	61.5[h]	− 1.6	87[b]	6	34	4	46[b]	8.60	+4.91	2.24	0	20	7	20	4	sw.	Dr. H. S. Gardner.
Moorefield	Hardy	900	28	58.2	− 5.1	84	7†	28	5	51	8.09	+4.54	2.70	0	12	22	3	6	......	M.S.Henkel.
Piedmont	Mineral	919	11	55.8	......	85	6	32	5	43	7.73	......	2.18	0	14	10[b]	2[b]	17[b]	nw.	C. A. Suter, Jr.
Romney ††	Hampshire	824	26	57.8[j]	− 5.2	90[j]	5	29[j]	5	61[c]	9.51	+5.88	2.34	0	14	13	6	12	......	Richard A. Bergdoll.
Stony River Dam	Grant	......	4	......	......	......	......	......	......	....	10.54	......	3.52	0	18	3	10	18	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	25	51.7[i]	− 9.7	77[i]	5	29[i]	5	48[i]	5.60	+2.42	2.25	0	7	15[c]	0[c]	13[c]	w.	J. M. Mallow.
Wardensville	Hardy	1,200	6	55.1[a]	......	88[a]	6	27	5	49[a]	8.88	......	2.38	0	14	7	5	19	w.	Luther F. Sutton.
Averages and	extremes	......	....	56.0	− 4.6	91	6	24	5	55	8.74	+5.46	3.52	T.	14	11	7	13	w.	
Northern Division																				
Bens Run	Pleasants	622	22	57.0	− 6.2	90	7	34	8	46	5.48	+0.95	1.35	0	17	11	15	5	......	J. D. Riggs.
Benson *	Harrison	1,080	1	55.8	......	89	7	31	5	48	6.98	......	2.04	0	18	3	17	10	......	R. D Marts.
Brownsville	Lewis	1,032	1	......	......	91	7	......	......	....	7.54	......	2.40	0	17	8	13	10	......	S. L. Montgomery.
Bruceton Mills	Preston	1,549	4	......	......	......	......	......	......	....	5.70	+1.31	1.11	0	16	1	15	15	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	27	55.6	− 6.3	86	7	30	5	41	8.09	+3.47	1.95	0	15	11	2	18	......	H. A. Darnall.
Cairo	Ritchie	680	25	......	......	......	......	......	......	....	......	......	......	......	....	......	......	......	......	O. C. Hess.
Cheat Bridge	Randolph	3,558	6	46.4[a]	......	68[a]	26	23	10	38[a]	8.42	......	2.72	6.0	20	20	3	8	......	H. F. Cromer.
Clarksburg	Harrison	1,015	2	57.4	......	87	6†	34	5†	47	6.45	......	1.88	0	21	8	4	19	nw.	Clarksburg Water Board.
Cortland	Tucker	3,300	13	......	......	......	......	......	......	....	8.54	+4.05	2.00	0	15	7	20	4	......	G. W. Harmon.
Crawford	Lewis	1,087	1	......	......	......	......	......	......	....	9.33	......	2.20	0	22	9	11	11	......	J. Cecil Owens.
Creston	Wirt	701	22	57.2	− 6.3	89	6†	33	5	49	7.02	+3.14	1.52	0	18	6	4	21	w.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	3	......	......	......	......	......	......	....	6.43	......	1.65	0	19	......	......	......	......	Lockmaster.
Dam 12 O. R.	Ohio	614	8	......	......	......	......	......	......	....	5.85	......	1.22	0	17	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	605	8	......	......	......	......	......	......	....	5.57	......	1.40	0	23	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	3	......	......	......	......	......	......	....	7.02	......	1.58	0	21	......	......	......	......	Lockmaster.
Davis	Tucker	3,093	15	......	......	......	......	......	......	....	9.69	+5.54	1.96	T.	19	5	5	21	w.	Ross C. Male.
Elizabeth	Wirt	646	12	......	......	......	......	......	......	....	6.14	+2.45	1.39	0	15	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	23	52.6	− 6.6	81	6	32	5	41	8.88	+4.90	2.69	T.	21	3	9	19	w.	U. S. Weather Bureau.
Fairmont	Marion	883	18	55.1	− 7.3	88	7	33	5	49	6.69	+2.71	1.00	0	19	13	0	18	w.	Creed E. Bolyard.
Glenville	Gilmer	738	30	57.9	− 5.6	91	6	34	5	51	7.40	+3.19	1.90	0	18	7	13	11	w.	Howard R. Brannon.
Horner	Lewis	1,044	1	......	......	......	......	......	......	....	7.82	......	2.14	0	15	11	7	13	......	Thomas E. Miles.
Janelew(near)	Lewis	1,020	1	57.4	......	90	6	31	4	50	7.02	......	2.16	0	13	15	2	14	sw.	Dan Burkholder.
Lost Creek	Harrison	1,026	26	53.6	− 7.5	85	7	30	5	46	6.85	+2.56	2.08	0	14	10	3	18	w.	Allen Smith.
Mannington	Marion	974	21	55.0	− 6.0	86	7	32	5	46	6.66	+2.61	2.00	0	20	7	7	17	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	31	56.8	− 5.7	86	6†	33	5	37	5.35	+1.73	1.45	0	13	2	11	18	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	21	54.3[a]	− 8.9	86[a]	7	28	10	44[a]	4.75	+1.45	1.70	0	11	13	3	15	sw.	Fred N. Wilson.
New Cumberland	Hancock	987	26	54.6	− 6.1	88	7	35	5	47	4.77	+1.47	1.10	0	18	10	5	16	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	30	56.0	− 7.6	92	7	32	5	52	6.50	+2.76	1.50	0	13	7	7	17	s.	Wm. Ankrom.
Parkersburg	Wood	638	37	57.7	− 6.1	90	7	36	5	40	4.05	+0.59	1.40	0	18	8	6	17	sw.	U. S. Weather Bureau.
Parsons	Tucker	1,656	24	52.8	− 6.4	88	7	30	5†	52	10.36	+6.46	......	0	......	9	2	20	......	J. W. Swisher.
Philippi	Barbour	1,149	27	56.8	− 4.9	84	6†	34	5	38	8.48	+4.20	1.73	0	18	10	2	19	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	21	51.8	− 7.0	85	7	29	5	46	10.27	+4.94	2.58	1.0	16	10	7	14	w.	Dr. J. L. Cunningham.
Roanoke	Lewis	1,050	1	......	......	......	......	......	......	....	8.46	......	1.95	0	15	......	......	......	......	Miss Mary A. Conrad.
Rowlesburg	Preston	1,375	37	......	......	......	......	......	......	....	8.63	+4.27	1.65	0	16	......	......	......	......	J. F. Pierce.
Saint Marys	Pleasants	577	15	......	......	......	......	......	......	....	7.21	+3.35	1.65	0	21	......	......	......	......	Wm. Hughes.
Smithfield	Wetzel	835	18	54.8	− 6.2	86	6†	32	5	47	6.83	+2.65	2.35	0	20	17	0	14	sw.	G. M. Whisler.
Terra Alta	Preston	2,612	23	49.0	−10.0	75	6	24	5	41	7.92	+2.93	2.05	0	20	4	11	16	w.	J. J. Shanahan.
Valley Chapel	Lewis	1,011	1	57.8	......	90	6†	32	5	50	6.83	......	1.63	0	19	14	5	12	w.	J. C. Campbell.
Vandalia	Lewis	1,120	1	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	W. S. Linger.
Wellsburg	Brooke	1,225	23	55.2	− 5.3	89	7	32	5	47	5.65	+2.17	1.33	0	18	13	5	13	w.	George P. Pfister.
Weston	Lewis	1,026	28	55.6	− 7.5	81	6†	32	6	49	7.38	+3.07	2.08	0	18	8	13	10	......	Weston State Hospital.
Wheeling	Ohio	645	37	56.2[a]	− 6.7	93[a]	7	31	4	51[a]	6.22	+2.76	1.62	0	20	6	9	16	w.	Miss M. B. Forsyth.
Averages and	extremes	......	....	55.0	− 6.7	93	7	23	10	52	7.12	+3.01	2.72	0.2	18	9	7	15	w.	
Southern Division																				
Bancroft	Putnam	574	20	56.2	− 7.6	87	7	35	5	47	6.08	+1.94	1.17	0	19	12	5	14	se.	E. H. Morrow.
Beckley	Raleigh	2,440	24	55.0	− 5.2	85	7	33	9	43	9.56	+6.14	2.30	0	11	4	16	11	w.	K. E. Williams.
Bluefield	Mercer	2,558	29	58.3	− 3.6	83	28	33	11	44	3.91	+0.27	0.47	0	16	10	0	21	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	9	......	......	......	......	......	......	....	8.12	......	2.12	0	6	10	0	21	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	21	......	......	......	......	......	......	....	6.26	+2.22	1.23	0	14	......	......	......	......	George Huber.
Clay	Clay	706	8	......	......	......	......	......	......	....	8.11	......	2.29	0	20	......	......	......	......	Ted Thomas.
Dam 19 O. R.	Wood	557	8	......	......	......	......	......	......	....	5.89	......	2.61	0	18	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	8	......	......	......	......	......	......	....	5.57	......	1.55	0	20	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	8	......	......	......	......	......	......	....	4.38	......	0.84	0	17	......	......	......	......	U. S. Engineer Office.
Gary	McDowell	1,426	8	53.2[e]	......	87[e]	6	35[d]	2	40[i]	5.86	......	1.07	0	17	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	28	56.0	− 5.4	85	6	32	2	43	8.37	+4.71	1.86	0	12	5	7	19	w.	W. H. Gwinn.
Hinton	Summers	1,450	27	57.1	− 6.7	88	6	34	2	42	5.90	+2.13	1.20	0	16	9	1	21	w	J. B. Lavender, C. E.
Huntington	Cabell	538	30	58.3	− 6.6	85	7	40	5	41	5.92	+1.89	1.06	0	15	12	4	15	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	5	......	......	......	......	......	......	....	9.02	......	1.89	0	14	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	8	......	......	......	......	......	......	....	9.96	......	2.67	0	20	......	......	......	......	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	24	55.0	− 4.6	82	6	30	2	42	5.05	+1.41	0.90	0	14	11	9	11	nw.	Geo. T. Argabate.
Logan	Logan	700	21	......	......	......	......	......	......	....	8.06	+3.90	2.00	0	15	......	......	......	......	Geo. R. Travis.
Marlinton	Pocahontas	2,131	25	51.7	− 6.3	78	6	28	10	40	6.49	+2.48	2.25	0	16	0	22	9	sw.	S. L. Brown.
Organ Cave	Greenbrier	......	2	......	......	......	......	......	......	....	5.73	......	1.44	0	13	......	......	......	......	D. C. Humphreys.
Point Pleasant	Mason	553	31	......	......	90	7†	......	......	....	5.27	+1.41	1.02	0	19	17	0	14	sw.	Miss Grace E. Henson.
Powellton ††	Fayette	933	28	59.7[f]	− 4.2	91[f]	7	37[f]	3†	45[f]	8.53	+4.43	1.80	0	15	6[f]	0[f]	19[f]	......	Elknorn-Piney Coal Co.
Ravenswood (Dam 22)	Jackson	538	9	58.3	......	90	7†	34	5	45	6.20	......	1.44	0	16	6	0	25	nw.	Lockmaster.
Robertsburg	Putnam	574	24	56.6	− 7.3	91	7	33	5	51	5.68	+2.08	1.04	0	18	15	0	16	......	M. Frazier.
Ryan	Roane	700	21	56.4	− 5.8	89	7	31	5	48	7.26	+3.56	1.41	0	17	6	6	19	......	Wm. E. Ryan.
Sharples	Logan	......	4	......	......	......	......	......	......	....	7.70	......	0.95	0	12	......	......	......	......	E. H. Locke.
Spencer	Roane	784	20	52.2	−10.4	84	6	33	4†	46	6.06	+2.36	1.63	0	15	2	9	20	......	A. M. McKown.
Sutton	Braxton	839	18	54.6	−10.7	82	7†	34	5	44	10.88	+6.39	2.44	0	15	16	0	15	......	C. B. Eakle.
Union [d]	Monroe	2,250	20	57.6	− 3.2	86	5	30	2	42	5.75	+2.99	1.51	0	16	7	7	13	......	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	14	55.6	− 5.2	87	5	28	1†	45	5.94	+2.07	1.61	0	20	21	0	10	......	E. J. Comar.
Williamson	Mingo	660	24	57.4	− 8.0	84	7	42	2†	36	5.76	+1.95	0.70	0	21	14	5	12	w.	J. F. Keyser.
Averages and	extremes	......	....	55.9	− 6.4	91	7	28	1†	51	6.72	+2.77	2.67	0	16	10	5	16	w.	
State averages and	extremes	......	....	55.5	− 6.3	93	7	23	10	55	7.20	+3.21	3.52	0.1	17	9	7	15	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for May, 1924

Stations	Drainage-basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Panhandle Division																																	
Bayard	Potomac	.59	....	T.	.53	....	....	T	.60	1.21	T.	.48	2.56	.19	.25	.03	.11	.04	.29	.02	.31	.86	T.	....	.06	.22	.19	.43	T.	.92	T.	.03	9.92
Brandywine	do	T	....	....	....	....	....	....	*	.90	T.	....	3.00	....	.15	....	.20	....	.10	....	.20	.35	....	....	T.	....	....	.40	....	.45	....	....	5.75
Burlington	do	.40	....	....	....	....	T.	....	2.50	.60	....	2.50	1.50	....	.40	T.	.50	....	.80	....	T.	.40	....	....	....	....	....	1.10	.80	.70	....	....	12.20
Harpers Ferry ‖‖	do	.12	....	....	....	....	....	....	1.71	3.44	T.	.48	2.03	....	....	.40	.02	....	....	.04	....	.87	.01	....	....	....	....	T.	.61	.01	.50	....	10.24
Inwood	do	.02	....	....	....	....	....	....	3.10	.50	....	1.05	1.40	.01	.05	.05	.07	....	.12	....	.12	1.15	....	....	....	....	....	.50	.10	.40	....	....	8.64
Martinsburg	do	....	....	.03	....	....	.02	1.37	2.24	.02	.43	1.90	.04	....	.11	.05	.06	....	.10	.03	.87	.07	....	.05	....	.01	.20	.40	....	.60	....	....	8.60
Moorefield	do	.18	....	....	....	....	....	....	1.45	.60	....	....	2.70	1.00	.16	....	.20	....	.08	....	.25	.60	....	....	....	....	.52	....	....	.35	....	....	8.09
Piedmont	do	....	....	....	.14	....	....	....	2.18	.52	....	1.35	1.43	....	.11	.04	.14	....	....	....	.15	.71	....	....	....	.01	.04	.39	....	.52	T.	....	7.73
Romney	do	.39	....	....	....	....	....	.06	1.50	2.22	....	.40	2.34	.21	....	.05	.20	....	....	.09	....	.95	....	....	.04	....	....	....	.40	....	.66	....	9.51
Stony River Dam ‖‖	do	.65	....	....	.40	.05	....	....	.66	.96	....	.30	3.52	.85	....	.34	.12	....	....	.35	.03	.90	....	....	....	.08	.22	.02	.44	....	.65	....	10.54
Upper Tract	do	....	....	....	T.	....	....	....	.80	....	T.	2.00	2.25	....	....	....	.10	....	T.	....	....	.10	....	....	....	....	....	.20	....	.15	....	....	5.60
Wardensville ‖‖	do	.07	....	....	....	....	....	.02	1.75	2.38	....	.45	2.00	.10	....	....	.34	.01	....	.04	.60	.34	....	....	T.	....	T	.21	T.	.57	T.	....	8.88
Northern Division																																	
Bens Run	Ohio	.54	....	.18	.35	....	....	.10	.30	....	....	1.35	.70	....	.62	.02	.05	....	.29	.08	.17	....	....	....	.20	....	.03	.16	....	.34	....	....	5.48
Benson	Monongahela	.45	....	.07	.53	....	....	....	....	.60	....	.53	2.04	.03	.55	.06	.05	....	.16	.01	.32	.31	....	....	.28	....	.04	.25	....	.70	....	....	6.98
Brownsville	do	.38	....	02	.45	....	....	.04	T.	.47	....	.63	2.40	....	.54	....	.08	....	.39	....	.32	.49	....	....	.28	....	.03	.28	.02	.72	....	....	7.54
Bruceton Mills ‖‖	do	.32	....	.45	....	....	....	....	.58	....	....	.72	1.11	.10	.35	.06	.22	....	.34	T.	.20	.17	....	T.	.24	T.	.22	.28	T.	.34	....	....	5.70
Buckhannon	do	.25	....	T.	.60	....	....	....	.20	.85	....	.88	1.95	....	.53	....	.10	....	.38	....	.30	.50	....	....	.40	T.	....	.40	.25	.50	....	....	8.09
Cairo	Little Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Cheat Bridge ‖‖	Monongahela	....	....	.15	.25	.55	.05	....	.18	....	.17	....	2.72	.92	....	.70	.18	T.	.22	.29	....	.43	.03	....	.07	.17	....	.14	.40	.20	.60	....	8.42
Clarksburg	do	.33	....	T.	.58	....	....	....	.12	.65	....	.29	1.88	.03	.52	.04	.03	....	.17	.02	.48	.23	....	.03	.21	.02	.03	.19	.01	.59	....	....	6.45
Cortland ‖‖	do	....	....	.40	....	....	.29	.25	.97	....	.24	2.00	.60	....	....	.59	....	....	.40	....	.60	.25	....	....	.25	.30	....	.60	....	.80	....	....	8.54
Crawford	do	.02	....	....	.38	.25	....	....	....	.65	....	.95	2.20	.50	.30	.40	.10	....	.20	.10	.20	....	....	.05	.80	.15	.40	.30	.35	.95	.05	.03	9.33
Creston ‖‖	Little Kanawha	.53	....	T.	.33	.21	....	....	.18	.40	....	.22	1.51	.06	.25	.28	T.	....	....	.42	.21	.37	....	....	T.	.26	T.	.10	.17	.20	1.32	....	7.02
Dam 10, Mon. R. ‖‖	Monongahela	.73	....	....	.53	....	....	....	.14	.78	....	....	1.65	.42	.07	.46	.05	.11	....	.33	.03	.14	.01	....	....	.31	.06	.02	.20	....	.39	....	6.43
Dam 12, O. R. ‖‖	Ohio	.67	....	....	.55	....	....	....	....	.90	....	....	1.22	.29	.15	.37	.02	.03	....	.38	.04	.10	....	....	....	.42	....	.07	.01	.14	.49	....	5.85
Dam 13, O. R. ‖‖	do	.64	....	.02	.55	....	....	....	.02	.28	.02	.02	1.40	.28	.15	.48	.05	.14	....	.35	.02	.04	....	....	.02	.25	.02	.04	.02	.36	.40	....	5.57
Dam 15, Mon. R. ‖‖	Monongahela	.84	....	.02	.47	....	....	....	.31	.81	.05	....	1.58	.22	.03	.48	.06	.10	....	.30	.06	.38	....	....	....	.25	.02	.03	.24	.06	.71	....	7.02
Davis ‖‖	do	.03	.90	....	.53	.13	....	.23	.09	1.16	.03	.13	1.96	1.08	T.	.49	.13	....	....	.45	T.	.95	....	....	T.	.19	....	T.	.47	.04	.70	....	9.69
Elizabeth ‖‖	Little Kanawha	.40	....	....	.49	....	....	....	.10	.30	....	.55	1.39	.02	.60	....	....	....	....	.28	.27	.32	....	....	....	.45	....	.15	....	.24	.58	....	6.14
Elkins ***	Monongahela	.04	....	.37	.12	....	.29	....	1.20	.18	.02	1.83	1.39	T.	.70	....	.09	....	.31	.04	.22	.18	....	....	.12	.06	....	.45	.05	1.18	.04	....	8.88
Fairmont ‖‖	do	.75	....	T.	.43	....	....	....	.49	1.00	T.	T.	1.00	.33	.04	.50	.04	.02	....	.26	.27	.29	....	T.	....	.10	.39	.10	.23	.04	.41	....	6.69
Glenville ‖‖	Little Kanawha	.62	....	....	.34	.20	....	....	....	.20	....	.12	1.90	.22	.16	.62	.10	....	....	.50	.12	.54	....	....	....	.27	....	.10	.12	.04	1.23	....	7.40
Horner	do	.32	....	....	.40	....	....	....	....	.53	....	.71	2.14	....	.43	....	.10	....	.36	....	.41	.43	....	....	.32	....	.06	.30	.05	1.26	....	....	7.82
Janelew(near)	do	....	....	.48	....	....	....	....	.65	....	.47	2.16	....	.47	.25	....	....	.43	....	.24	.46	....	....	.22	....	....	.24	....	.93	....	....	.02	7.02
Lost Creek	do	.21	....	.06	.46	....	....	T.	T.	.60	....	.66	2.08	....	.58	.04	T.	....	.12	....	.32	.34	....	....	.22	T.	....	.26	T.	.90	....	....	6.85
Mannington	do	.67	....	.30	.41	....	....	....	.24	.51	....	.27	2.00	.03	.55	.02	.03	....	.39	....	.17	.05	....	T.	.22	T.	.04	.23	.06	.44	.03	....	6.66
Morgantown	do	....	....	T.	.35	....	....	....	.11	1.15	....	.45	1.45	.11	.41	T.	.16	....	.24	....	.10	T.	....	....	.25	....	T.	.20	....	.37	....	....	5.35
Moundsville ‖‖	Ohio	....	....	.63	....	....	....	....	.65	....	....	....	1.70	.03	.50	....	.14	....	.27	....	....	.04	....	....	.36	....	....	....	.06	.37	....	....	4.75
New Cumberland ‖‖	do	.65	....	....	.42	....	....	....	.02	.33	....	....	1.10	....	.08	.42	....	.08	....	.30	.09	.03	....	....	.20	.22	.04	.02	.06	.16	.55	....	4.77
New Martinsville	do	.45	....	.50	.55	....	....	....	....	.45	....	.70	1.50	....	.50	....	.15	....	.30	....	....	....	....	....	.75	....	.20	.05	.40	....	....	....	6.50
Parkersburg ***	Ohio	T.	....	.47	.09	....	T.	.04	.13	.01	.08	1.05	.41	.03	.51	....	.03	....	.10	.10	.41	....	....	T.	.20	T.	....	.17	.01	.21	....	....	4.05
Parsons	Monongahela	*	....	....	*	....	....	....	....	*	T.	*	*	*	*	*	....	7.90	....	*	*	*	....	....	*	*	*	1.57	*	*	.89	....	10.36
Philippi	do	.12	....	T.	.42	....	....	....	.66	1.19	....	.45	1.73	.03	.35	.08	.10	....	.25	....	.37	.35	....	....	.63	.07	.05	.35	T.	1.28	....	....	8.48
Pickens	do	.28	....	....	.55	....	.05	....	.38	.95	....	1.28	2.58	....	.72	....	.20	....	.36	....	.60	.41	....	....	.42	T.	....	.51	.12	.86	....	....	10.27
Roanoke	do	.32	....	T.	.53	....	....	....	....	.64	....	.95	1.95	.02	.56	.14	.03	....	.46	....	.25	.46	....	....	.37	T	....	.31	....	1.47	....	....	8.46
Rowlesburg ‖‖	do	.75	....	....	.63	....	....	....	.12	1.42	.16	....	1.65	.78	. .	.60	....	.03	....	.28	....	.70	....	....	....	.28	.10	....	.43	.02	.68	....	8.63
Saint Marys ‖‖	Ohio	1.48	....	T.	.58	.08	....	....	.04	.80	....	.30	1.65	.05	.38	.25	.08	....	....	.25	.35	.05	....	.03	.12	.19	T.	.07	.09	.04	.33	....	7.21
Smithfield ‖‖	Fishing Creek	.83	....	....	.65	....	....	....	.01	.39	....	....	2.35	.50	.25	.05	.01	....	....	.40	.22	.10	....	.01	.10	.20	.02	.20	.04	.10	.40	....	6.83
Terra Alta	Monongahela	.49	....	.02	.31	....	....	....	.39	1.25	....	.42	2.05	.25	.24	.06	.07	....	.33	....	.19	.49	....	.01	.37	....	.19	.34	T.	.42	.03	....	7.92
Valley Chapel	do	.44	.04	....	.37	.01	....	.01	....	.47	....	.83	1.63	....	.57	.04	.01	....	.22	....	.25	.38	....	....	.22	.03	.07	.22	....	1.02	....	....	6.83
Vandalia	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Wellsburg	Ohio	.39	....	.08	.41	....	....	.04	.16	.48	....	.12	1.33	T.	.39	.10	.43	....	.62	.05	....	.10	....	....	.61	....	....	.08	.24	.02	....	....	5.65
Weston	Monongahela	.30	....	....	.47	....	.06	....	....	.57	....	.72	2.08	....	.55	.07	....	....	.47	....	.20	.47	....	....	.25	.02	.03	.25	.01	.85	.01	....	7.38
Wheeling ‖‖	Ohio	.68	....	.01	.60	....	....	....	....	.93	....	T.	1.35	.27	.18	.39	.05	.15	....	.38	.04	.07	....	....	.01	.38	.01	.07	.01	.14	.50	....	6.22
Southern Division																																	
Bancroft ‖‖	Great Kanawha	.76	....	....	.16	.05	....	....	....	.30	....	.40	1.17	.03	.47	.23	.02	....	....	.18	.41	.60	....	....	.08	.14	....	.08	.06	.77	.17	....	6.08
Beckley	do	1.10	....	....	.25	....	....	....	....	1.35	T.	.62	.95	....	1.00	....	....	....	....	....	.52	.26	....	....	.33	....	....	....	....	2.30	.88	....	9.56
Bluefield	do	.20	....	....	.05	....	....	.15	....	.42	.15	.37	.40	....	.47	.02	....	....	....	....	.20	.32	....	....	.07	....	.20	.25	.25	.39	....	....	3.91
Camden-on-Gauley ‖‖	do	....	....	....	....	....	....	....	....	1.00	....	2.12	1.60	....	1.00	....	....	....	....	....	.80	....	....	....	....	....	....	....	1.60	....	....	....	8.12
Charleston ‖‖	do	.91	....	....	.11	....	....	....	....	.51	....	.32	1.23	.14	.43	.34	....	....	....	T.	.52	.64	....	....	....	.20	....	....	.24	.29	.38	....	6.26
Clay ‖‖	do	.93	....	....	.25	.15	....	....	.13	.90	....	.33	2.29	.19	.23	.39	.01	....	....	.23	.51	.42	.08	....	....	.38	....	.10	.15	.31	.13	....	8.11
Dam 19 O. R. ‖‖	Ohio	.50	T.	T.	.63	.12	....	....	T.	.11	....	.12	2.61	.03	.28	.08	T	T.	....	.13	.45	.08	....	....	.12	.17	T.	.14	.08	.04	.20	....	5.89
Dam 20 O. R. ‖‖	do	.58	....	....	.63	.22	....	....	....	.18	....	.20	1.55	.05	.37	.18	.03	.10	....	.20	.25	.14	....	....	.12	.20	....	.08	.12	.07	.30	....	5.57
Dam 26 O. R. ‖‖	do	.40	....	....	.15	.10	....	....	....	.09	....	.19	.75	.05	.25	.20	....	....	....	.15	.35	.35	....	....	.20	.10	....	.13	.08	....	.84	....	4.38
Gary ‖‖	Big Sandy	.64	.02	....	....	.07	....	.08	....	.65	.01	....	1.07	.03	....	.58	....	....	....	....	.40	.96	.08	....	....	....	.19	.21	.05	.56	.26	....	5.86
Green Sulpr. Spgs.	do	.32	....	....	....	....	....	....	.60	....	....	1.86	1.18	....	1.20	.16	.27	....	T.	....	.62	.44	....	....	.42	....	.52	....	T.	....	.78	....	8.37
Hinton ‖‖	do	.16	....	....	.10	.08	....	.10	....	.94	....	.06	1.10	.14	....	.50	.06	....	....	....	.22	.68	....	....	....	.10	....	.04	.42	....	1.20	....	5.90
Huntington ‖‖	Ohio	1.06	....	....	.22	T.	....	....	T.	.12	....	.22	.74	T.	.42	.42	....	....	....	T.	.50	.76	....	....	.14	.12	....	.12	.02	.80	.26	....	5.92
Kanawha Falls ‖‖	Great Kanawha	1.00	....	....	....	....	....	....	....	1.23	....	.30	1.70	.14	.10	.70	....	....	....	.01	.55	.55	....	....	....	.40	....	....	.12	.33	1.89	....	9.02
Kayford ‖‖	do	.66	T.	....	.18	.02	....	.07	....	1.40	.01	.47	1.45	.18	....	.81	.02	....	....	.08	.49	.44	.02	....	....	.63	....	.02	.27	.07	2.67	....	9.96
ewisburg	do	.03	....	....	.06	....	....	....	....	.22	.06	.84	.76	T.	.51	....	.07	....	T.	....	.49	.27	....	....	.11	....	....	.52	T.	.90	.21	....	5.05
ogan	Guyandotte	.70	....	....	....	.18	....	....	....	.48	....	.30	1.30	.05	.30	.40	....	....	....	.05	.70	.60	....	....	.30	....	....	.30	T.	.40	2.00	....	8.06
arlinton	Great Kanawha	....	....	....	.40	....	.04	....	....	.34	.06	1.92	.33	....	.54	....	.12	....	.26	.18	.12	.06	....	....	.08	T.	....	.92	.38	.74	....	....	6.49
rgan Cave	do	....	....	.07	.08	....	.07	....	.34	....	.41	1.44	....	....	.46	.16	....	....	T.	.34	.39	....	....	....	.12	....	....	.50	....	1.35	....	....	5.73
oint Pleasant ‖‖	Ohio	.32	....	....	.32	.08	....	....	....	.25	....	.33	.97	.04	.27	.08	....	....	....	.10	.25	.23	.03	....	.18	.12	....	.38	.30	.32	.70	....	5.27
owellton	Great Kanawha	.60	.25	....	.17	.02	....	.07	.45	.43	....	.82	1.28	....	.70	....	....	....	....	....	.60	.30	....	....	....	....	....	.70	.34	1.80	....	....	8.53
avenswood (Dam 22	Ohio	.66	....	....	.40	.18	....	....	.02	.25	....	.10	1.44	.10	.22	.36	....	....	....	.25	.20	.40	....	....	....	.38	....	....	.20	....	1.04	....	6.20
obertsburg ‖‖	Great Kanawha	.78	....	....	.35	.03	....	....	....	.55	....	.21	1.04	.02	.40	.24	....	....	....	.33	.33	.43	....	....	.13	.08	....	.10	.02	.36	.28	....	5.68
yan	do	.22	....	....	.41	....	....	....	.13	.40	.13	1.39	.75	T.	.88	.01	T.	....	.26	.16	.42	.20	....	....	.18	....	....	.15	.16	1.41	....	....	7.26
harples ‖‖	Coal River	....	.35	....	....	....	....	.75	....	....	....	.95	.90	....	....	.80	....	....	....	.20	.60	.85	.35	....	....	.40	....	....	.60	....	.95	....	7.70
pencer ‖‖	Little Kanawha	.56	T.	....	....	....	.20	....	....	.55	....	.28	1.63	.12	.46	.26	T.	T.	....	.12	.23	.32	....	....	....	.08	....	.03	.12	T.	1.10	....	6.06
utton	Great Kanawha	.30	....	....	.48	....	....	....	.48	.88	....	.90	2.44	....	.62	....	....	....	.42	....	.58	.40	....	....	.62	.12	....	.36	.18	2.10	....	....	10.88
nion	do	....	....	....	....	.18	....	.62	....	.35	.09	....	1.51	.05	.33	.13	.25	....	....	....	.26	.48	....	....	.07	....	.12	.52	....	.24	.55	....	5.75
hite Sulpr. Spgs. ‖‖	do	.02	....	.06	.04	....	.17	....	.41	....	.67	1.61	.03	....	.46	.15	....	....	.02	.37	.36	.01	....	....	.20	.04	.25	.16	.15	.76	....	....	5.94
illiamson ‖‖	Big Sandy	.48	....	....	.14	....	....	.07	.15	.26	....	.25	.70	.25	.30	.50	....	.02	....	.04	.54	.62	.05	....	.36	.18	....	.14	.02	.58	.11	....	5.76

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.
*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.
‖‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.
T. Trace, or less than 0.01 inch.
††† Probably incomplete.

Daily Temperatures for May, 1924

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	58	60	66	62	70	82	82	76	66	59	58	50	66	63	54	54	68	70	63	63	55	59	71	74	56	63	63	66	67	56	61	63.9
	Minimum	38	39	32	39	24	27	45	54	45	30	45	41	45	40	40	39	35	35	38	52	49	33	34	56	31	37	43	56	56	39	36	40.4
Brandywine	Maximum	58	65	68	62	64	68	78	65	60	64	56	57	62	60	61	55	65	75	71	67	59	60	67	65	60	67	65	70	75	67	60	64.4
	Minimum	34	30	31	43	40	37	45	40	42	30	42	37	40	41	42	45	34	40	40	51	54	36	35	34	37	35	47	47	54	47	32	40.1
Burlington	Maximum	62	70	76	70	79	91	84	79	68	69	69	60	74	71	64	62	76	79	77	70	63	69	81	75	67	73	70	77	74	74	73	72.5
	Minimum	43	35	39	51	30	41	54	59	54	38	35	48	53	42	47	48	39	55	44	54	55	41	40	62	40	43	53	55	47	55	39	46.4
Inwood	Maximum	61	70	74	73	75	90	88	72	66	68	62	60	71	70	60	61	71	70	77	72	61	65	76	72	76	68	70	78	68	65	69	70.3
	Minimum	48	34	40	40	33	42	55	57	56	54	48	44	51	46	45	48	45	40	44	52	50	41	40	40	42	45	44	48	48	42	44	45.4
Martinsburg§	Maximum	81	85	68	80	....	87	72	62	67	54	62	83	70	68	68	84	86	83	85	68	73	86	85	67	80	65	83	71	63	83	....	74.8
	Minimum	40	43	50	34	42	55	56	56	42	43	45	46	49	48	50	45	53	49	54	53	43	43	57	45	45	49	54	60	50	45	49	48.2
Moorfield	Maximum	61	73	78	70	79	83	84	79	67	68	61	54	74	72	65	64	79	80	78	75	68	69	81	77	84	74	76	78	74	65	72	73.0
	Minimum	44	34	34	45	28	38	48	54	49	35	47	38	44	43	46	44	38	44	41	49	51	38	40	58	37	47	48	52	55	44	36	43.5
Piedmont	Maximum	56	66	71	58	74	85	79	70	61	65	58	56	68	64	57	60	72	76	72	61	61	64	75	75	60	68	63	67	68	62	67	66.4
	Minimum	44	36	40	48	32	42	55	58	49	38	48	49	51	41	47	46	39	43	41	51	52	40	39	53	38	42	48	54	56	46	37	45.3
Romney	Maximum	60	....	76	53	90	85	....	....	....	....	....	72	....	74	69	72	80	70	76	60	62	67	79	72	62	....	....	76	....	70	71	71.2
	Minimum	45	37	....	41	29	41	52	....	....	....	....	....	45	....	45	46	39	47	44	51	52	40	39	57	41	44	....	....	57	....	40	44.4
Upper Tract	Maximum	....	67	63	60	77	....	66	65	....	....	60	62	72	....	51	54	60	62	62	62	60	64	....	....	56	....	64	64	64	65	....	62.7
	Minimum	....	35	36	37	29	....	47	46	....	....	32	35	34	....	44	44	38	37	40	51	51	39	....	....	35	....	42	43	55	45	....	40.7
Northern Division																																	
Bens Run	Maximum	66	60	67	54	74	88	90	78	68	65	60	65	70	63	58	63	75	70	64	64	66	66	77	73	58	68	71	73	66	65	71	68.3
	Minimum	40	40	46	41	44	42	53	34	55	48	41	44	45	52	45	46	42	56	42	53	45	39	46	54	38	40	51	60	54	43	41	45.8
Buckhannon	Maximum	67	65	70	58	69	84	86	76	63	66	56	51	68	62	56	60	70	73	69	62	59	60	75	72	60	64	69	64	69	64	66	66.2
	Minimum	45	40	41	44	30	43	52	57	48	37	47	42	41	50	44	45	39	47	40	55	46	40	42	54	38	40	52	56	55	46	39	45.0
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Clarksburg	Maximum	63	66	71	64	73	87	87	86	78	70	65	53	69	73	61	64	73	73	71	67	61	66	78	78	58	68	71	72	74	63	70	70.1
	Minimum	46	39	44	41	34	40	49	55	50	36	46	45	41	49	45	46	40	46	39	54	46	37	42	56	34	36	50	61	55	45	36	44.6
Creston	Maximum	61	69	71	61	78	89	89	78	62	67	63	60	71	70	63	64	74	73	71	64	66	68	78	71	60	70	70	77	72	66	71	69.9
	Minimum	44	38	43	40	33	40	51	49	50	36	45	44	41	51	44	43	38	48	40	53	46	37	40	54	36	37	51	67	57	42	38	44.4
Elkins	Maximum	52	63	65	52	70	81	79	75	54	62	55	50	66	54	53	56	69	72	70	62	57	60	76	71	54	64	63	69	70	59	63	63.4
	Minimum	42	41	36	33	32	40	49	54	40	32	38	35	42	44	41	43	40	46	40	53	40	38	42	46	36	41	48	58	48	43	37	41.9
Fairmont§	Maximum	58	65	58	50	72	85	88	76	57	67	55	53	77	56	55	61	70	70	69	63	60	65	75	70	69	66	66	70	61	64	70	65.8
	Minimum	42	40	49	43	33	36	45	57	50	38	45	46	43	48	44	45	43	48	43	47	45	39	45	54	38	37	42	52	57	42	39	44.4
Glenville	Maximum	71	69	68	65	76	91	90	85	74	65	69	56	70	69	75	64	72	77	68	75	67	78	75	80	61	68	71	70	75	61	71	71.8
	Minimum	46	39	41	41	34	40	51	48	51	38	48	45	42	43	45	43	39	47	45	54	48	38	41	55	37	38	50	37	59	43	39	44.0
Lost Creek	Maximum	56	68	59	52	70	84	85	77	65	65	59	50	66	60	55	60	69	68	68	59	60	62	75	68	55	65	66	70	68	62	66	64.9
	Minimum	41	38	46	41	30	38	50	52	48	31	42	42	37	45	42	43	39	50	35	52	44	34	40	54	31	33	48	59	53	40	33	42.3
Mannington	Maximum	60	65	68	54	69	84	86	80	66	67	63	53	68	65	58	61	70	71	68	63	62	63	74	70	58	65	68	71	69	63	69	66.8
	Minimum	40	35	39	41	32	38	51	54	51	34	45	47	40	47	45	45	37	46	38	52	45	35	41	56	34	35	49	56	54	40	35	43.1
Morgantown	Maximum	57	69	69	56	70	86	86	83	69	67	61	52	66	64	57	60	69	71	68	64	61	69	73	72	56	65	66	70	67	61	68	66.8
	Minimum	41	43	53	44	33	49	56	57	50	40	49	45	45	51	43	45	46	58	44	50	43	43	48	54	38	39	51	59	51	42	41	46.8
New Cumberland§	Maximum	57	67	69	61	71	86	88	70	59	68	60	53	69	57	58	64	75	63	63	63	52	64	73	63	59	66	69	68	63	62	69	65.5
	Minimum	39	42	44	40	35	39	50	56	50	38	45	47	42	47	45	44	41	45	38	46	43	37	39	57	42	40	48	51	52	39	37	43.8
New Martinsville	Maximum	63	69	67	55	74	90	92	87	63	70	66	55	70	69	59	63	74	72	71	63	67	67	79	75	59	69	71	71	70	66	71	69.6
	Minimum	38	35	41	38	32	38	50	51	49	36	44	44	40	50	44	43	39	54	37	49	41	35	41	53	34	35	43	54	52	39	36	42.4
Parkersburg	Maximum	58	70	68	54	75	87	90	78	58	65	51	60	70	64	58	65	73	69	70	60	65	66	76	71	59	67	70	75	63	61	70	67.3
	Minimum	47	46	53	42	36	47	57	55	48	45	45	45	48	49	47	49	48	54	45	51	47	47	53	48	41	42	53	66	52	47	44	48.1
Parsons	Maximum	60	65	75	56	69	53	88	86	70	72	55	52	55	59	55	77	65	70	65	66	58	65	68	73	56	62	60	72	62	67	70	65.4
	Minimum	36	39	33	35	30	47	36	46	48	30	46	38	41	42	42	34	40	36	45	50	48	35	38	44	31	37	40	45	55	42	34	40.1
Philippi	Maximum	59	64	68	61	72	84	84	78	72	66	61	51	68	67	59	58	71	71	68	64	59	62	75	74	56	65	67	70	69	63	67	66.9
	Minimum	42	45	51	40	34	53	53	56	47	43	46	43	46	50	43	45	47	55	43	52	44	41	48	52	39	39	53	58	52	44	41	46.6
Pickens	Maximum	63	63	67	60	75	83	85	75	59	60	54	47	65	65	54	53	67	72	73	60	55	62	75	66	57	65	62	67	68	60	64	64.5
	Minimum	37	35	36	45	29	42	45	50	39	30	39	31	36	41	36	36	35	42	33	48	46	33	36	46	33	35	44	53	57	36	31	39.2
Terra Alta	Maximum	48	58	62	54	65	75	74	65	59	55	51	45	59	59	50	47	64	61	63	53	52	54	65	65	48	57	59	61	56	51	56	57.8
	Minimum	35	38	41	39	24	38	39	52	42	30	43	41	43	41	37	40	40	43	39	50	45	34	40	48	31	35	42	54	49	37	38	40.3
Wellsburg	Maximum	59	67	67	60	71	87	89	80	64	69	62	54	69	65	59	63	73	70	64	66	65	65	74	72	59	65	71	66	63	65	70	67.5
	Minimum	38	36	40	39	32	40	50	42	50	55	46	48	45	50	45	42	40	50	36	51	42	34	37	55	36	40	48	51	37	38	36	42.9
Weston	Maximum	55	68	64	64	69	81	81	81	69	60	60	53	67	67	54	60	69	72	65	64	59	63	74	74	56	64	68	71	71	61	66	66.1
	Minimum	45	41	46	43	33	32	53	54	48	36	46	43	41	49	44	45	42	51	40	55	46	40	44	54	36	39	51	60	55	45	37	45.0
Wheeling§	Maximum	60	70	66	61	74	91	93	79	62	72	56	59	72	58	60	60	76	69	69	70	69	69	78	66	66	70	70	67	52	65	....	68.3
	Minimum	48	40	44	31	36	40	54	58	50	38	50	47	42	50	44	45	39	53	39	49	42	36	41	55	38	38	50	52	50	33	37	44.2
Southern Division																																	
Bluefield	Maximum	66	65	73	78	80	81	80	80	67	58	48	64	71	72	68	69	71	68	78	79	77	65	85	78	79	72	73	83	78	76	78	71.3
	Minimum	42	37	40	42	44	58	49	46	42	35	33	37	41	48	37	41	42	44	43	54	52	41	41	59	52	41	54	59	58	53	39	45.3
Charleston	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Gary §	Maximum	60	68	....	72	81	87	86	63	49	....	50	48	55	50	46	47	....	61	66	62	60	52	68	....	65	57	63	65	65	52	....	61.5
	Minimum	47	35	38	....	47	47	50	48	48	36	....	43	40	43	42	42	38	....	41	49	57	45	40	46	....	38	53	55	50	52	41	44.9
Hinton §	Maximum	62	73	77	72	84	88	84	80	61	58	49	48	71	57	61	63	73	77	80	74	62	69	78	68	65	73	69	78	85	65	73	70.2
	Minimum	47	34	36	40	46	46	50	50	49	39	42	41	43	43	43	44	40	41	41	43	56	44	41	43	44	41	42	43	60	50	42	44.0
Huntington §	Maximum	60	69	74	54	73	83	85	74	59	66	52	67	72	65	58	64	70	74	71	58	64	70	77	65	63	70	74	76	80	67	70	68.5
	Minimum	48	43	50	46	40	42	53	58	47	43	50	47	49	54	43	48	47	46	45	54	48	45	46	47	44	41	52	57	62	50	45	48.1
Lewisburg	Maximum	57	65	70	64	78	82	79	77	59	58	50	53	67	64	58	59	68	72	74	69	69	63	73	67	61	67	66	74	77	65	65	66.8
	Minimum	43	30	34	48	36	45	48	50	46	32	40	37	39	41	41	43	35	43	40	52	55	40	36	53	41	42	50	58	56	48	36	43.2
Logan	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Marlinton	Maximum	56	60	64	56	72	78	74	72	54	56	58	54	62	50	62	52	64	70	68	64	60	62	70	66	62	64	58	64	72	68	64	63.1
	Minimum	38	30	34	40	40	44	50	52	40	28	38	38	38	36	40	38	30	34	42	48	44	36	30	48	34	46	50	52	50	48	34	40.3
Point Pleasant	Maximum	62	75	70	70	80	89	90	90	65	70	60	69	75	75	73	70	80	71	78	63	70	70	81	80	62	71	73	80	80	75	79	74.1
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Powellton	Maximum	69	70	79	67	81	88	91	83	66	....	65	59	....	72	60	69	67	56	88	82	65	71	84	....	....	....	79	75	83	....	75	73.8
	Minimum	47	47	37	47	40	45	51	50	48	....	37	43	....	48	44	47	47	42	50	40	54	41	39	....	....	....	40	59	59	....	39	45.6
Ravenswood	Maximum	62	68	67	62	75	87	90	90	65	65	64	65	69	69	65	63	71	71	70	72	65	65	75	72	60	68	71	75	75	65	71	70.1
	Minimum	46	39	43	40	34	42	52	55	49	41	46	45	42	53	46	46	45	58	56	41	46	38	42	55	36	36	53	58	58	40	60	46.5
Robertsburg§	Maximum	59	69	73	53	78	90	91	75	60	66	53	52	74	65	58	64	75	70	70	69	65	68	80	66	60	70	75	75	78	65	72	69.0
	Minimum	46	38	44	41	33	39	48	56	47	38	47	44	42	48	42	46	42	52	41	48	46	38	43	48	37	35	47	54	59	45	40	44.3
Ryan	Maximum	62	67	70	65	75	86	89	78	60	61	64	58	70	60	56	62	72	72	70	60	62	65	71	70	62	67	69	72	76	62	69	67.8
	Minimum	47	48	49	42	31	40	41	55	45	42	44	45	47	50	40	42	50	49	39	52	48	36	38	54	34	35	52	54	58	43	49	45.1
Spencer §	Maximum	58	66	48	48	66	84	81	54	55	61	48	59	66	56	55	52	68	68	67	59	57	52	68	68	58	64	59	59	38	48	65	60.5
	Minimum	46	41	46	33	33	38	53	51	48	38	48	44	47	48	44	44	42	40	40	48	46	38	44	52	35	37	46	54	58	45	38	44.0
Union	Maximum	65	68	73	....	80	86	83	80	69	59	....	56	69	68	61	60	69	..	78	78	72	68	76	75	....	71	74	76	79	77	72	71.9
	Minimum	43	30	34	....	38	47	46	54	45	33	....	37	39	42	41	42	36	..	40	53	54	37	35	59	....	41	51	56	55	47	37	43.4
White Sulphur Spgs§	Maximum	69	74	76	80	87	78	80	61	63	52	56	71	51	63	48	73	78	78	63	65	69	69	69	68	70	66	64	58	65	70	70	67.9
	Minimum	28	31	49	39	49	45	54	59	31	42	32	38	41	41	45	28	33	39	54	54	48	33	53	40	44	51	55	55	51	34	47	43.3
Williamson §	Maximum	49	67	74	69	76	83	84	70	57	50	54	65	69	60	57	58	70	73	74	68	69	66	77	66	61	68	71	76	80	64	68	67.5
	Minimum	49	42	43	44	46	47	49	53	49	42	43	46	46	46	47	46	45	46	46	47	54	47	45	47	46	43	45	56	62	54	45	47.3

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXII PARKERSBURG, W. VA., JUNE, 1924 No. 6

GENERAL SUMMARY

The temperature for June averaged practically normal and the rainfall was only slightly above the average. The month was characterized by scattered heavy rains and a long period of cool weather. Excessive rain on the 8-9th over the southern counties caused marked floods in sections of McDowell and Mercer Counties. The rainfall was apparently heaviest over the eastern portion of McDowell County. The flood in the Elkhorn Valley caused considerable damage but not as much as the flood in June, 1901, owing to the fact that better retaining walls were built after the flood of 1901 and that there was less rubbish in the river. Scattered excessive rains over the northern portion of the State on the 29th, especially over the Little Kanawha and Monongahela Basins, caused floods in the smaller streams. Considerable damage resulted to crops on low bottoms. All crops made fair to good growth during the month and were generally in good condition at the close, although from two to three weeks late.

TEMPERATURE

The monthly mean for the State, determined from 51 stations, was 68.7°. The departure from the normal for 38 stations having ten or more years of record was −0.1°. The first half of the month was cool, the lowest temperatures occurring on the first five days, generally on the 5th. Warm weather prevailed from the 16th to the 25th, with the highest temperatures on the 19th and 20th. The temperature was nearly normal after the 25th, although cooler weather set in on the 30th.

PRECIPITATION

The average precipitation for the State, determined from 79 stations, was 4.67 inches. The departure from the normal for 50 stations having ten or more years of record was +0.08 inch. The rainfall was heaviest over the central and southern counties and generally lightest over the northern counties. Rain was quite general on the 2d, 6th, 8-12th, 16th, 21st-24th, 27th, and 29th, the greatest amounts being measured on the 9th, 27th, and 29th.

HAIL

On June 13, between the hours of 12:30 and 1:15 p. m., a heavy hail storm passed into West Virginia between Waverly and Williamstown and moved eastward over Ritchie County. The stones were generally about three-fourth inch in diameter but many were as large as a hen egg. The greatest damage apparently resulted near Petroleum. As an estimate, the damage to crops was about $5,000 and to windows and roofs about $3,000.

Light hail fell in sections of the counties named below, as follows: Pleasants and Mingo, 8th; Mercer, 9th; Putnam, 10th; Webster, 8th and 13th; Harrison, 13th and 18th. Randolph, 13th; Hardy, 14th; Lewis, 13th and 19th; Wirt, 29th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bancroft, 15th, 18th, and 19th; Davis, 15th; Elkins, 5th, 13th, 14th, 15th, 22d, and 28th; Hinton, 3d, 5th, 7th, 15th, 18th, and 28th; Huntington, 15th; Mannington, 2d, 3d, 5th, 7th 14th, 15th, 22d, 26th, 28th, and 30th; Marlinton, 3d, 5th, 6th, 7th, 15th, 17th, 18th, 19th, 26th, 27th, and 30th; Moundsville, 2d and 3d; New Cumberland, 2d, 3d, 5th, 10th, 15th, 19th, 22d, 26th, and 30th; Parkersburg, 2d and 22d; Rowlesburg, 5th; Terra Alta, 4th.

Frost, light: Bayard and Union, 5th.

Halo, lunar: Wheeling, 15th.

Halo, solar: Terra Alta, 3d.

Thunderstorms (dates and number of stations reporting): 1st, 1; 2d, 1; 3d, 1; 4th, 2, 5th, 3; 6th, 12; 8th, 23; 9th, 15; 10th, 5; 11th, 2; 12th, 3; 13th, 16; 14th, 1; 15th, 1; 18th, 6; 19th, 4; 21st, 3; 23d, 6; 24th, 1; 25th, 5; 26th, 3; 27th, 12; 28th, 7; 29th, 16.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
							Total movement miles	Average hourly velocity	Max. velocity		
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible			Miles per hour	Direction	Date
Cincinnati, Ohio	29.93	81	64	70	294.1	66	3,986	5.5	34	sw.	28
Columbus, Ohio	29.94	83	71	74	282.3	63	5,562	7.7	36	sw.	28
Elkins	29.95	87	60	75	200.7	45	3,025	4.2	35	nw.	8
Lexington, Ky	29.94	83	69	....	192.1	43	7,704	10.7	48	sw.	29
Parkersburg	29.96	77	58	67	288.1	65	3,210	4.5	36	nw.	9
Pittsburgh, Pa	29.95	75	58	60	307.6	68	6,305	8.8	39	w.	25
Wytheville, Va	29.96	85	62	75	238.0	54	3,550	4.9	30	w.	30

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	71.2	......	......	5.02	......	......		......	......	......
1892	74.1	99	41	3.90	......	......	......	......	......	......
1893	70.2	99	40	3.81	6.41	1.83	......	13	10	7
1894	70.4	103	32	3.27	6.78	1.25	......	16	10	4
1895	72.1	102	38	2.92	5.66	1.20	......	15	10	5
1896	69.8	95	30	5.35	9.86	0.11	......	8	14	8
1897	69.3	96	35	4.31	6.77	1.31	......	12	12	6
1898	70.9	99	41	3.21	7.50	0.66	......	14	11	5
1899	72.0	98	35	4.99	8.93	1.46	......	14	9	7
1900	71.2	98	41	5.30	15.62	2.49	......	9	12	9
1901	70.7	104	32	5.67	11.10	1.37	......	12	12	6
1902	68.0	100	33	5.19	8.49	2.45	......	11	13	6
1903	65.1	93	34	4.80	12.30	2.01	......	8	11	11
1904	69.5	97	36	4.20	8.29	2.05	......	10	13	7
1905	70.6	100	34	4.38	7 72	1.74	......	13	11	6
1906	70.9	101	38	5.25	9.32	2.84	......	11	12	7
1907	65.3	97	33	6.00	11.95	1.93	......	10	11	9
1908	69.2	98	36	3.12	6.75	1.35	......	15	10	5
1909	71.1	101	35	5.73	9.19	2.47	......	9	13	8
1910	66.6	96	32	5.67	11.27	1.52	......	10	10	10
1911	70.7	101	40	4.44	9.34	1.88	......	14	10	6
1912	67.3	[illegible]	29	4.27	9.21	1.11	......	13	10	7
1913	69.5	99	29	3.44	6.55	0.86	......	18	8	4
1914	72.0	100	30	3.00	6.60	0.62	......	15	11	4
1915	67.7	95	33	3.63	7.09	1.21	......	15	8	7
1916	65.8	94	[illegible]	5.42	14.54	2.50	......	14	8	8
1917	[illegible]	96	[illegible]	3.81	6.58	1.38	......	14	9	7
1918	[illegible]	99	34	4.17	10.11	0.87	......	16	7	7
1919	73.0	100	40	5.06	10.15	1.67	......	16	8	6
1920	67.9	98	36	[illegible]	9.70	2.53	......	13	7	10
1921	72.4	100	[illegible]	[illegible]	8.67	0.47	......	15	9	6
1922	[illegible]	97	33	4.66	7.95	1.75	......	12	9	9
1923	70.2	102	35	4.54	10.37	1.25	......	16	7	7
1924	68.7	98	32	4.67	7.63	1.90	......	13	8	9
Means and extremes	69.7	104	29	4.48	15.62	0.11	......	13	10	7

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Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., June, 1924

See temperature and precipitation data in Climatological Tables, Pages 22, 23, and 24

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation	.095	.090	.100	.16[illegible]	.180	.220	.220	.210	.10[illegible]	.120	.125	.110	.588	.192	.175	.205	.145	.190	.205	.235	.216	.139	.246	.230	.272	.235	.200	.165	.289	.211	....	5.871
	Wind movement	25	29	20	53	23	62	23	37	25	20	25	17	30	38	19	42	26	21	20	41	39	13	33	41	84	51	41	35	94	57	....	1,094

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for June, 1924

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,700	23	64.8	+ 1.5	89	19	33	5	40	5.08	+0.18	1.14	0	17	10^{a}	13^{a}	6^{a}	sw.	U. G. Clark.
Brandywine	Pendleton	...	8	66.2	...	90	20	36	4	36	5.60	...	1.50	0	11	8	1	21	sw.	Elmer Keister.
Burlington	Mineral	875	30	71.3	+ 3.0	95	19†	43	1†	35	3.60	-0.37	1.10	0	6	13	12	5	s.	Mrs. Louie Bumphrey.
Harpers Ferry	Jefferson	244	35	...	...	...	...	...	...	...	3.29	-0.53	1.28	0	10	...	...	...	...	J. C. Newcomer.
Inwood	Berkeley	569	2	68.4	...	94	20	40	1	33	3.87	...	0.97	0	10	19	6	5	se.	H. W. Prettyman.
Martinsburg	Berkeley	435	32	...	...	...	...	48	3	...	3.64	-0.72	0.90	0	13	13	16	1	w.	Dr. H. S. Gardner.
Moorefield	Hardy	900	28	70.5	+ 0.9	98	20	44	1	38	2.86	-1.30	1.00	0	11	25	2	3	...	M. S. Henkel.
Piedmont	Mineral	919	11	67.6	...	91	19†	42	5	32	4.97	...	0.86	0	15	11	7	12	se.	C. A. Suter, Jr.
Romney ††	Hampshire	824	26	70.8^{f}	+ 0.9	95^{f}	19	41^{f}	6	38^{i}	3.56	-0.56	1.14	0	14	13	9	8	...	Richard A. Bergdoll.
Stony River Dam	Grant	...	4	...	...	...	...	...	...	...	5.79	...	1.55	0	13	4	6	20	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	25	65.6^{g}	...	91^{g}	19	35^{g}	2	40^{g}	1.90	-2.29	1.20	0	5	22^{a}	0^{a}	7^{a}	...	J. M. Mallow.
Wardensville	Hardy	1,200	6	68.0^{a}	...	94^{a}	20	40	1†	36^{a}	1.91	...	0.55	0	10	2	15	13	se.	Luther F. Sutton.
Averages and	extremes	...	...	67.8	+ 1.8	98	20	33	5	40	3.86	-0.84	1.55	0	11	13	8	9	se.	
Northern Division																				
Bens Run	Pleasants	622	22	70.8	+ 0.5	94	20	46	5	32	2.90	-1.62	0.87	0	11	17	7	6	...	J. D. Riggs.
Benson	Harrison	1,080	1	69.2	...	92	21	39	5	39	4.35	...	1.00	0	15	5	21	4	...	R. D Marts.
Brownsville	Lewis	1,032	1	70.3	...	94	21	43	1	36	4.81	...	1.00	0	15	11	14	5	...	S. L. Montgomery.
Bruceton Mills	Preston	1,549	4	...	...	...	...	...	...	...	6.43	+1.85	2.99	0	14	2	17	11	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	27	68.8	+ 0.2	88	20	41	5	33	3.69	-1.20	1.00	0	9	13	13	4	...	H. A. Darnall.
Cairo	Ritchie	680	25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	O. C. Hess.
Cheat Bridge	Randolph	3,558	6	61.8^{b}	...	96^{b}	20	33^{a}	5	46^{c}	6.28	...	1.55	0	14	21	2	7	...	H. F. Cromer.
Clarksburg	Harrison	1,015	2	70.9	...	92	19†	42	5	37	4.74	...	0.85	0	17	14	9	7	w	Clarksburg Water Board.
Cortland	Tucker	3,300	13	...	...	...	...	...	...	...	6.16	+1.38	1.10	0	17	11	13	6	...	G. W. Harmon.
Crawford	Lewis	1,087	1	...	...	...	...	...	...	...	6.69	...	1.30	0	13	16	11	3	...	J. Cecil Owens.
Creston	Wirt	701	22	71.1	+ 0.5	96	20	43	5	37	5.85	+1.55	3.25	0	15	10	1	19	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	3	...	...	...	...	...	...	...	2.85	...	0.76	0	12	...	...	...	s.	Lockmaster.
Dam 12 O. R.	Ohio	614	8	...	...	...	...	...	...	...	4.13	...	1.60	0	14	...	...	...	...	Lockmaster.
Dam 13 O. R.	Ohio	605	8	...	...	...	...	...	...	...	4.39	...	1.41	0	15	...	...	...	...	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	3	...	...	...	...	...	...	...	2.75	...	0.65	0	14	...	...	...	...	Lockmaster.
Davis	Tucker	3,093	15	...	...	...	...	...	...	...	5.92	+1.00	1.24	0	17	3	16	11	w.	Ross C. Male.
Elizabeth	Wirt	646	12	...	...	...	...	...	...	...	4.37	+0.55	2.18	0	12	...	...	...	...	E. D. Ball.
Elkins	Randolph	1,947	23	66.5	- 0.4	88	19	39	5	35	5.18	+0.14	1.50	0	16	1	14	15	nw.	U. S. Weather Bureau.
Fairmont	Marion	883	18	69.2	- 1.1	93	20	43	5	33	2.71	-1.78	0.70	0	12	19	0	11	w.	Creed E. Bolyard.
Glenville	Gilmer	738	30	71.8	+ 1.0	96	20	45	1†	34	4.50	+0.03	1.55	0	13	14	12	4	w.	Howard R. Brannon.
Horner	Lewis	1,044	1	...	...	...	...	...	...	...	4.16	...	1.07	0	11	22	7	1	...	Thomas E. Miles.
Janelew (near)	Lewis	1,020	1	71.0	...	93	19†	39	4	40	3.72	...	1.02	0	12	17	9	4	sw.	Dan Burkholder.
Lost Creek	Harrison	1,026	26	66.7	- 1.1	89	20	37	5	38	3.91	-0.28	0.73	0	11	12	8	10	w.	Allen Smith.
Mannington	Marion	974	21	68.0	- 0.1	91	20	41	5	33	2.44	-1.78	0.49	0	12	8	11	11	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	31	69.8^{b}	+ 0.7	92	20	44^{b}	5	31^{b}	2.39	-2.15	0.72	0	7	6	10	14	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	21	68.2^{a}	- 1.6	92^{a}	19†	44	5	31^{a}	3.51	+0.03	0.95	0	11	15	9	6	sw.	Fred N. Wilson.
New Cumberland	Hancock	987	26	67.7	- 0.2	94	20	45	7	33	6.89	+2.22	3.75	0	14	14	4	12	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	30	69.6	- 0.8	96	20	42	1†	39	2.53	-1.54	0.65	0	10	17	7	6	s.	Wm. Ankrom.
Parkersburg	Wood	638	37	71.0	- 0.4	95	20	49	5	28	3.25	-1.40	0.93	0	10	9	10	11	s.	U. S. Weather Bureau.
Parsons	Tucker	1,656	24	66.6	+ 0.5	93	19	40	1†	47	4.63	-0.61	...	0	...	18	5	7	...	J. W. Swisher.
Philippi	Barbour	1,149	27	69.6	+ 1.2	89	19	46	5	30	4.56	+0.04	1.50	0	14	10	9	11	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	21	65.2	+ 0.1	89	20	38	1	39	6.25	+0.13	1.54	0	13	15	8	7	w.	Dr. J. L. Cunningham.
Roanoke	Lewis	1,050	1	...	...	...	...	...	...	...	4.99	...	0.93	0	14	14	0	16	ne.	Miss Mary A. Conrad.
Rowlesburg	Preston	1,375	37	...	...	...	...	...	...	...	5.49	+0.47	1.49	0	12	...	...	...	...	J. F. Pierce.
Saint Marys	Pleasants	577	15	...	...	...	...	...	...	...	3.89	+0.12	0.83	0	14	...	...	...	sw.	Wm. Hughes.
Smithfield	Wetzel	835	18	69.6	+ 1.7	94	19	42	5	37	2.90	-1.69	0.64	0	14	19	4	7	se.	G. M. Whisler.
Terra Alta	Preston	2,612	23	61.8	- 4.0	82	19†	32	5	35	4.89	-2.09	1.07	0	15	8	13	9	w.	J. J. Shanahan.
Valley Chapel	Lewis	1,011	1	70.4	...	94	19†	37	5	33	3.99	...	0.88	0	14	17	8	5	w.	J. C. Campbell.
Vandalia	Lewis	1,120	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	W. S. Linger.
Wellsburg	Brooke	1,225	23	68.8	+ 1.2	94	20	43	5	35	3.33	-1.16	1.42	0	11	15	13	2	w.	George P. Pfister.
Weston	Lewis	1,026	28	68.5	- 1.8	90	28	41	5	31	4.28	-0.27	1.01	0	19	16^{a}	10^{a}	3^{a}	...	Weston State Hospital.
Wheeling	Ohio	645	37	69.8	- 1.1	98	20	46	2†	35	4.04	+0.23	1.27	0	14	9	12	9	sw.	Miss M. B. Forsyth.
Averages and	extremes	...	...	68.6	- 0.2	98	20	32	5	47	4.37	-0.29	3.75	0	13	13	9	8	w.	
Southern Division																				
Bancroft	Putnam	574	20	70.0	- 0.9	90	19†	46	2	29	7.36	+3.00	1.42	0	19	12	3	15	se.	E. H. Morrow.
Beckley	Raleigh	2,440	24	67.4	+ 0.2	88	19	45	5	26	5.63	+1.20	1.20	0	9	18	5	7	w.	K. E. Williams.
Bluefield	Mercer	2,558	29	70.2	+ 1.4	89	22	45	5	32	5.83	+1.05	2.50	0	16	10	13	7	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	9	...	...	...	...	...	...	...	4.87	...	1.60	0	5	12	0	18	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	21	...	...	...	...	...	...	...	5.34	+0.83	1.04	0	12	...	...	...	...	George Huber.
Clay	Clay	706	8	...	...	...	...	...	...	...	6.32	...	1.25	0	16	...	...	...	...	Ted Thomas.
Dam 19 O. R.	Wood	557	8	...	...	...	...	...	...	...	3.43	...	0.82	0	14	...	...	...	...	Lockmaster.
Dam 20 O. R.	Wood	551	8	...	...	...	...	...	...	...	5.96	...	2.95	0	14	...	...	...	...	Lockmaster.
Dam 26 O. R.	Mason	505	8	...	...	...	...	...	...	...	6.50	...	2.60	0	9	...	...	...	...	U. S. Engineer Office.
Gary	McDowell	1,426	8	67.4^{e}	...	90^{d}	18	45^{e}	5	33^{i}	5.39	...	1.07	0	14	...	...	...	...	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	W. H. Gwinn.
Hinton	Summers	1,450	27	70.6	+ 0.1	92	19†	43	1	36	4.32	+0.09	1.30	0	11	7	2	21	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	30	72.8	+ 0.2	93	19	50	1	27	5.94	+1.68	1.68	0	13	11	3	16	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	5	...	...	...	...	...	...	...	6.78	...	1.50	0	13	...	...	...	...	J. O. Brown.
Kayford	Kanawha	1,335	8	...	...	...	...	...	...	...	4.02	...	0.77	0	15	...	...	...	...	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	24	67.6	+ 0.4	88	19	40	5	32	2.54	-1.70	0.50	0	13	17	9	4	s.	Geo. T. Argabate.
Logan	Logan	700	21	...	...	...	...	...	...	...	4.84	-0.57	1.25	0	18	...	...	...	...	Geo. R. Travis.
Marlinton	Pocahontas	2,131	25	63.6	- 1.2	85	20	38	5	30	4.54	-0.42	1.80	0	15	2	23	5	sw.	S. L. Brown.
Organ Cave	Greenbrier	...	2	...	...	...	...	...	...	...	2.78	...	0.57	0	18	...	...	...	...	D. C. Humphreys.
Point Pleasant	Mason	553	31	...	...	95	20†	...	...	...	5.97	+1.57	1.67	0	12	18	2	10	s.	Miss Grace E. Henson.
Powellton ††	Fayette	933	28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Elkhorn-Piney Coal Co.
Ravenswood (Dam 22)	Jackson	538	9	70.8	...	94	20	45	5	33	5.07	...	2.50	0	11	10	0	20	sw	Lockmaster.
Robertsburg	Putnam	574	24	71.2	- 0.1	95	19	44	1	33	7.14	+3.09	2.25	0	13	13	0	17	...	M. Frazier.
Ryan	Roane	700	21	69.4	+ 0.3	92	20	42	1	34	7.58	+3.11	1.86	0	12	11	9	10	...	Wm. E. Ryan.
Sharples	Logan	...	4	...	...	...	...	...	...	...	6.80	...	1.30	0	8	...	...	...	...	E. H. Locke.
Spencer	Roane	784	20	67.0	- 2.9	91	20	43	5	28	5.70	+1.35	2.10	0	13	3	23	4	...	A. M. McKown.
Sutton	Braxton	839	18	67.6	- 5.2	92	19†	39	1	41	7.63	+2.60	2.10	0	16	14	0	16	...	C. B. Eakle.
Union ^{c}	Monroe	2,250	20	69.4	+ 2.4	93	20†	40	5	34	4.60	+0.28	1.19	0	15	5	13	7	...	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	14	69.4	+ 2.5	93	18†	40	2	33	4.00	-0.56	0.60	0	16	25	0	5	...	E. J. Comar.
Williamson	Mingo	660	24	71.9	- 0.1	91	20	46	1	26	5.11	+0.48	1.79	0	13	15	11	4	w.	J. F. Keyser.
Averages and	extremes	...	...	69.1	- 0.2	95	19†	38	5	41	5.43	+1.00	2.95	0	13	12	7	11	s.	
State averages and	extremes	...	...	68.7	- 0.1	98	20	32	5	47	4.67	+0.08	3.75	0	13	13	8	9	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for June, 1924

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard	Potomac	.26	.38	.04	.34	T.	.27	....	.51	1.14	....	.08	.04	.24	.04	....	.06	.03	....	....	....	....	.08	.21	....	T.	....	.72	T.	.64	....	....	5.08
Brandywine	....do	.25	.10	....	....	....	....	....	.25	.75	....	.35	.85	1.50	....	....	.20	.80	....	....	....	....	.05	....	....	....	....	.50	....	....	....	....	5.60
Burlington	....do	.40	T	.30	....	....	T.	....	.30	.70	....	T	T.	....	....	....	....	....	....	....	....	....	T.	....	....	....	T	1.10	....	....	.80	....	3.60
Harpers Ferry ‖	....do	....	.11	T.	....	....	....	....	....	1.28	....	....	.39	....	.04	....	.02	....	....	.15	....	....	.05	....	....	....	....	.19	.40	.66	....	....	3.29
Inwood	....do	.15	....	....	....	....	....	....	.25	.97	.06	.20	.41	.30	....	....	....	....	.60	....	....	....	....	....	....	.15	....	....	.78	....	....	....	3.87
Martinsburg	....do	.11	....	T.	....	T.	.02	....	.58	....	....	.61	.02	.22	....	.06	....	.12	....	....	....	.05	....	T.	....	.20	.70	.35	.60	T.	....	....	3.64
Moorefield	....do	....	.30	.03	....	....	....	....	.30	1.00	.06	.05	....	.22	....	....	.11	....	....	....	....	.08	....	....	....	....	.55	....	....	.16	....	....	2.86
Piedmont	....do	.40	.02	....	.31	....	.12	....	.39	.13	....	.18	.40	.04	....	....	....	....	.52	....	....	T.	....	.05	.75	.25	....	.86	T.	.55	....	....	4.97
Romney	....do	....	.22	....	.17	....	.09	....	....	1.14	....	....	.21	.09	.21	....	.03	....	....	.06	....	....	....	....	....	.02	....	.58	.05	.67	.02	....	3.56
Stony River Dam ‖	....do	....	.45	.15	.16	....	.17	....	....	1.55	.13	....	.13	....	.65	....	.05	....	....	....	....	....	....	....	....	....	.65	.56	.48	.66	....	....	5.79
Upper Tract	....do	....	.10	....	....	....	....	....	T.	1.20	T.	T.	.10	....	T.	....	.10	....	....	....	....	....	....	....	....	....	....	.40	....	T.	....	....	1.90
Wardensville ‖	....do	....	.30	....	T.	T.	T.	....	....	.50	.03	.02	....	T.	.55	....	.15	....	....	T.	....	....	.06	T.	.09	....	....	....	.20	....	.01	....	1.91
Northern Division																																	
Aberdeen	Monongahela	....	....	....	....	....	.19	.11	.93	.60	....	.02	....	.02	....	....	.01	....	....	.01	....	.01	.09	.14	T.	.07	....	1.25	....	.34	....	....	‡‡‡
Bens Run	Ohio	.10	.01	....	.18	....	.87	....	.45	.58	....	....	....	.08	....	....	....	....	....	....	....	.08	....	.04	....	....	....	.48	....	.03	....	....	2.90
Benson	Monongahela	.05	.09	T.	.35	....	.70	....	.50	.30	....	.01	....	.04	....	....	.02	....	T.	.60	....	T.	.04	.08	.02	....	....	1.00	....	.55	....	....	4.35
Brownsville	....do	.01	.07	T.	....	....	.16	....	.94	1.00	....	.14	....	.03	....	....	.01	....	....	.36	....	.13	.15	.17	.05	....	....	.99	....	.60	....	....	4.81
Bruceton Mills ‖	....do	.31	T.	....	.15	....	.43	....	.32	.03	....	.03	.02	.05	....	T.	T.	....	.53	....	....	.05	....	T.	.53	.05	....	.94	....	2.99	....	....	6.43
Buckhannon	....do	.12	T.	T.	T.	....	.20	....	.77	.55	T.	.08	T.	T.	....	....	....	....	.25	....	....	.22	....	T.	T.	....	....	1.00	....	.50	....	....	3.69
Cheat Bridge ‖	....do	....	.32	....	.10	....	....	....	....	1.18	1.25	.04	.07	.23	.62	T.	.04	....	....	....	....	....	.12	T.	....	.50	....	1.55	T.	.05	.21	....	6.28
Clarksburg	....do	.19	.14	.02	.21	.02	.37	....	.67	.25	....	....	....	.85	.01	....	.06	....	....	.25	....	T.	.05	.04	.35	....	....	.73	....	.53	....	....	4.74
Cortland ‖	....do	.43	*	.30	....	.25	....	....	.84	.05	....	.18	....	.70	....	.06	....	....	.14	....	....	.13	....	.05	.25	.30	....	1.10	.85	.53	....	....	6.16
Crawford	....do	.20	....	....	....	....	.22	....	.40	.80	....	....	....	.55	....	....	....	....	....	1.09	.10	....	.26	.07	.38	.04	....	1.30	....	1.28	....	....	6.69
Creston ‖	Little Kanawha	....	.08	.04	.05	....	.23	....	....	.24	.27	.67	.02	.11	.05	....	....	....	....	....	....	....	.04	.19	.20	....	....	.41	....	3.25	....	....	5.85
Dam 10, Mon. R. ‖	Monongahela	....	.18	....	.29	....	.35	....	....	.49	....	....	....	....	.29	....	.02	....	....	.12	....	....	.04	.05	....	....	....	.20	....	.76	.06	....	2.85
Dam 12, O. R. ‖	Ohio	....	.02	....	....	....	.65	....	....	.80	.10	....	.22	.01	.16	....	.05	....	....	.10	....	.10	.05	.07	....	....	....	.20	....	1.60	....	....	4.13
Dam 13, O. R ‖	....do	.02	.02	....	.08	....	.80	.02	....	1.00	.06	....	.03	.02	....	....	.05	....	....	....	....	....	.14	.46	.10	....	....	.18	....	1.41	....	....	4.39
Dam 15, Mon. R. ‖	Monongahela	....	.21	.03	.11	....	.39	....	....	.65	....	....	.06	....	....	....	.03	....	....	....	....	....	.03	.12	.04	.11	....	.42	....	.32	.23	....	2.75
Davis ‖	....do	....	.43	.08	.19	....	.16	....	....	1.18	.05	T.	.06	....	1.24	....	.04	....	T.	....	....	....	.09	.13	....	.10	.09	.83	.50	.60	.15	....	5.92
Elizabeth ‖	Little Kanawha	....	.19	....	.12	....	.10	....	....	.41	.28	.30	.02	.03	....	....	....	....	....	....	....	....	.23	....	.26	....	....	.25	....	2.18	....	....	4.37
Elkins ***	Monongahela	.31	.06	T.	.01	....	.25	....	.74	.82	....	.06	.01	1.49	....	.03	.01	....	.02	....	....	.07	....	.05	T.	T.	....	.84	....	.41	....	....	5.18
Fairmont ‖	....do	....	.22	.02	.15	....	.42	.01	....	.70	T.	....	T.	....	T.	....	T.	....	....	....	....	....	.06	.15	.01	.02	T.	.42	....	.53	....	....	2.71
Glenville ‖	Little Kanawha	.05	.03	....	T.	....	.26	....	....	.33	.45	.54	.10	....	....	....	....	....	....	.32	....	....	.18	.06	.15	....	....	.48	....	1.55	....	....	4.50
Horner	....do	.10	....	....	....	....	.13	....	.60	.92	....	.08	....	.21	....	....	....	....	....	.41	....	.21	.03	....	....	....	....	1.07	....	.40	....	....	4.16
Janelew (near)	....do	....	....	....	....	.25	.21	1.02	.40	....	.05	....	....	....	....	....	....	....	.13	....	.03	.12	.09	....	.16	....	.82	....	.44	....	....	....	3.72
Lost Creek	....do	.18	T.	....	.31	....	.58	....	.60	.46	....	T.	....	.03	....	....	T.	....	.36	....	....	.03	....	.15	T.	....	....	.73	....	.48	....	....	3.91
Mannington	....do	.15	T.	....	.29	....	.49	....	.44	.18	....	....	....	....	....	....	.02	....	....	....	....	.04	.01	.19	.02	....	....	.26	....	.35	....	....	2.44
Morgantown	....do	.17	....	....	.23	....	.35	....	.42	T.	....	T.	....	.26	....	....	T.	....	T.	....	....	T.	....	T.	T.	....	....	.24	....	.72	....	....	2.39
Moundsville ‖	Ohio	....	.01	.15	....	....	.95	....	.65	.01	....	....	....	....	....	.04	....	....	.18	....	....	.02	....	.62	....	....	....	.17	....	.71	....	....	3.51
New Cumberland ‖	....do	....	.02	....	.12	....	.76	....	.24	.69	....	....	.24	....	.06	....	.06	....	....	.30	....	....	.04	.18	....	.15	....	.28	....	3.75	....	....	6.89
New Martinsville	....do	.10	....	....	.10	....	.60	....	.40	.10	....	.10	....	....	....	....	....	....	....	....	....	.05	....	.65	....	....	....	.33	....	.10	....	....	2.53
Parkersburg ***	....do	.06	T.	T.	....	....	.33	....	.69	.70	.02	.01	T.	....	....	T.	....	....	T.	....	....	.06	....	.51	....	....	....	.59	....	.28	....	....	3.25
Parsons	Monongahela	*	*	*	....	....	*	....	*	*	....	2.63	....	....	....	*	....	....	T.	....	*	....	....	T.	....	*	....	*	2.00	....	....	....	4.63
Philippi	....do	.07	.03	....	....	....	.73	....	.66	.45	....	.09	....	.13	....	....	.05	....	.15	....	....	.05	T.	.05	....	T	....	1.50	....	.55	.05	....	4.56
Pickens	....do	.38	.12	....	.27	....	.07	.26	1.54	....	....	.10	....	.48	....	....	....	....	....	....	....	.18	....	.15	.35	....	....	1.50	....	.85	....	....	6.25
Roanoke	....do	T.	.06	T.	.02	....	.09	....	.60	.80	....	.14	....	.15	....	....	.02	....	....	.63	....	T.	.26	T.	.44	.07	....	.78	....	.93	....	....	4.99
Rowlesburg ‖	....do	....	.42	....	.42	....	.33	.15	....	1.49	....	....	.04	....	.51	....	.10	....	....	....	....	....	....	....	.20	....	....	1.20	.03	.60	....	....	5.49
Saint Marys ‖	Ohio	....	.09	.03	.05	....	.72	.20	....	.83	.79	....	T.	.03	.33	....	T.	....	....	....	....	....	.09	.08	.04	....	....	.53	....	.08	....	....	3.89
Smithfield ‖	Fishing Creek	....	.17	....	.12	....	.64	.02	....	.62	.11	....	.01	....	....	....	.01	....	....	....	....	....	.04	.22	.25	....	....	.31	....	.34	.04	....	2.90
Terra Alta	Monongahela	.57	....	T.	.37	....	.29	....	.75	.37	....	.03	.04	.12	.36	....	.01	....	T.	....	....	.06	....	.09	....	.04	....	1.07	....	.72	....	....	4.89
Valley Chapel	....do	.10	....	....	.65	....	.26	.06	.52	.36	....	.02	....	.06	....	....	.01	....	....	.36	....	....	.10	....	.01	....	....	.88	....	.60	....	....	3.99
Vandalia	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Wellsburg	Ohio	....	....	....	....	....	.56	....	.66	.03	....	....	.10	....	....	.05	....	....	.06	....	....	.03	....	.22	....	T.	....	.20	.11	1.31	....	....	3.33
Weston	Monongahela	.07	.05	....	....	....	.34	.01	1.01	.80	.01	.06	.01	.11	.01	.01	....	....	....	.32	....	.12	.05	.12	.03	....	....	.65	....	.50	....	....	4.28
Wheeling ‖	Ohio	....	.02	....	.06	....	.68	T.	....	.92	.25	....	.17	.01	T.	....	.06	....	....	.22	....	.05	T.	.14	.01	....	....	.18	....	1.27	T.	....	4.04
Southern Division																																	
Bancroft ‖	Great Kanawha	....	.04	.05	.11	....	.10	....	....	1.13	.26	1.15	.07	.37	.07	....	.07	....	....	.20	....	....	.67	....	.31	.01	.22	1.11	....	1.33	.09	....	7.36
Beckley	....do	.25	....	....	....	....	....	....	.25	1.20	.60	....	....	.70	....	....	....	....	....	....	....	....	....	.70	.76	....	....	.87	....	.30	....	....	5.63
Bluefield	....do	.05	.33	....	....	.30	.09	....	.05	2.50	1.23	.24	....	.17	.22	....	....	....	....	....	....	....	.16	....	.18	.02	....	.04	....	.12	.13	....	5.83
Camden-on-Gauley ‖	....do	....	....	....	....	....	....	....	.80	....	1.00	....	....	1.60	....	....	....	....	....	....	....	....	....	....	....	....	....	1.00	....	.47	....	....	4.87
Charleston ‖	....do	....	.05	....	....	....	....	....	....	1.04	.83	.48	....	.06	.38	....	.03	....	....	....	....	....	.74	....	.53	....	....	.72	....	.45	.03	....	5.34
Clay ‖	....do	....	....	.07	....	.01	....	....	....	.74	.12	.72	....	.45	....	....	.75	....	....	.02	....	....	1.25	....	.38	.04	.19	.83	.08	.35	.32	....	6.32
Dam 19 O. R. ‖	Ohio	....	.07	.01	T.	....	.16	.08	....	.62	.76	.10	.06	.01	....	....	T.	....	....	....	....	....	.08	.12	.16	....	....	.82	....	.38	....	....	3.43
Dam 20 O. R. ‖	....do	....	.06	.02	....	....	.05	.14	....	.40	.28	.24	.02	.02	....	....	....	....	....	....	....	....	.15	.05	.54	....	....	.77	....	2.95	....	....	5.69
Dam 26 O. R. ‖	....do	....	....	.30	....	....	....	....	....	.50	....	.96	....	....	....	....	.05	....	....	....	....	....	.95	.04	.50	....	....	.60	....	2.60	....	....	6.50
Gary ‖	Big Sandy	....	.26	....	.02	....	.40	.01	....	.96	1.07	.68	....	.48	.44	....	....	....	....	....	....	....	....	.20	.11	....	.20	....	.41	....	.15	....	5.39
Green Sulpr. Spgs.	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Hinton ‖	....do	....	.20	....	....	....	.12	....	....	.30	.34	.50	T.	.14	.32	....	....	....	....	....	....	....	.42	.12	1.30	T.	....	....	....	....	.56	....	4.32
Huntington ‖	Ohio	....	.02	....	T.	....	.12	....	....	.61	.24	.20	.04	.20	....	....	T	....	....	.74	....	....	1.52	....	.22	.02	....	.30	....	1.68	....	....	5.94
Kanawha Falls ‖	Great Kanawha	....	.10	....	....	....	....	....	....	1.20	1.50	1.20	....	....	.95	....	.10	....	....	....	....	....	.15	....	.10	.15	.15	.65	.18	....	.35	....	6.78
Kayford ‖	....do	....	.22	....	.03	....	.05	T.	....	.77	.53	.49	T.	.08	.10	....	.01	....	....	....	....	.05	.12	....	.17	.13	T.	....	.73	....	.54	....	4.02
Lewisburg	....do	.28	.08	....	....	.06	....	....	.15	.42	.05	.50	T.	.15	T.	....	.12	....	....	....	....	....	.08	.05	.42	T.	....	.18	....	T.	....	....	2.54
Logan	Guyandotte	....	.10	.09	.04	.03	.17	....	....	.10	.05	.30	....	.16	.13	....	.05	....	....	....	....	T.	.85	....	.48	.38	.07	1.25	.24	....	.35	....	4.84
Marlinton	Great Kanawha	....	.16	....	.06	....	....	....	.32	1.80	.04	.26	.48	.12	....	.48	....	....	....	....	....	.06	....	.06	.26	.12	....	.16	....	.16	....	....	4.54
Organ Cave	....do	....	.37	....	....	....	.10	.07	....	.57	.50	.12	.17	.23	.02	.02	.01	....	....	....	.04	.03	.22	.02	.07	....	.20	....	.02	....	....	....	2.78
Point Pleasant ‖	Ohio	....	.10	.20	....	....	.20	....	....	.60	.47	.19	....	.18	....	....	....	....	....	....	....	....	.60	.04	.60	....	....	1.12	....	1.67	....	....	5.97
Powellton	Great Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Ravenswood (Dam 22)	Ohio	....	.08	....	....	....	.25	....	....	.40	.22	.75	.08	....	.03	....	....	....	....	....	....	....	.10	....	.18	....	....	.48	....	2.50	....	....	5.07
Robertsburg ‖	Great Kanawha	....	....	.24	....	....	.08	....	....	.53	.02	.30	....	.77	....	....	....	....	....	.25	....	....	1.09	.02	.76	.10	....	.73	....	2.25	....	....	7.14
Ryan	....do	.05	.16	....	....	....	.09	....	.25	.14	.94	....	....	.03	....	....	1.08	....	....	....	....	.91	....	.24	T.	....	....	1.83	....	1.86	T.	....	7.58
harples ‖	Coal River	....	T.	T.	T.	....	....	....	....	T.	1.10	T.	1.30	.23	T.	....	....	T.	1.25	....	.43	T.	....	.81	T.	....	.72	....	....	T.	.96	....	6.80
pencer ‖	Little Kanawha	....	.05	....	.02	....	.06	....	....	.38	.10	.15	.76	....	....	....	.03	....	....	T.	....	....	.15	.09	.33	....	....	1.48	....	2.10	T.	....	5.70
utton	Great Kanawha	.20	.10	.12	....	....	....	....	.50	.52	.13	.25	.15	.70	....	....	.20	....	....	....	....	.32	....	.50	.37	.17	....	2.10	....	1.30	....	....	7.63
Union	....do	....	.30	....	....	.10	.11	....	....	1.19	.26	.59	.05	.37	.05	....	.05	....	....	....	....	....	....	.03	.82	....	.05	.54	....	....	.09	....	4.60
White Sulpr. Spgs. ‖	....do	.29	....	....	....	....	....	....	.60	.42	.14	.32	.02	.53	....	.59	....	....	....	....	....	.10	.05	.16	.16	.29	.01	.14	....	.18	....	....	4.00
Williamson ‖	Big Sandy	....	.13	....	....	....	.22	....	....	.46	.06	.88	.05	....	....	....	....	....	....	....	....	....	.16	.15	.78	.10	T.	.06	.27	....	1.79	....	5.11

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

‡‡‡ Probably incomplete.

Daily Temperatures for June, 1924

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	63	67	67	63	73	76	77	78	76	68	60	77	76	76	80	78	85	83	89	88	85	82	84	82	82	81	79	84	84	75	....	77.3
	Minimum	38	47	42	51	33	47	50	44	64	52	52	49	58	55	41	57	51	52	54	61	70	55	52	64	57	53	58	54	63	47	....	52.4
Brandywine	Maximum	68	66	69	72	75	82	80	78	75	65	60	70	75	74	81	80	82	84	85	90	89	88	89	84	88	87	85	84	84	80	....	79.0
	Minimum	40	41	45	36	40	52	49	48	60	55	51	54	56	54	48	52	55	57	58	62	60	64	63	60	59	56	54	60	61	55	....	53.5
Burlington	Maximum	70	76	72	74	79	86	86	84	81	75	68	80	84	88	88	88	90	90	95	95	93	83	92	89	93	87	84	89	89	81	....	84.3
	Minimum	43	51	49	43	45	55	55	51	55	56	50	56	62	53	63	64	60	62	63	71	75	62	61	70	65	60	62	64	67	55	....	58.3
Inwood	Maximum	60	71	70	71	72	75	81	83	70	69	65	69	75	77	80	83	83	86	87	94	92	90	91	88	92	81	88	89	87	85	....	80.1
	Minimum	40	47	47	52	46	50	57	53	54	55	53	55	61	54	51	61	62	61	64	68	72	58	59	69	65	58	55	59	58	55	....	56.6
Martinsburg§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	53	51	48	50	55	61	56	55	55	55	55	58	55	52	63	64	65	64	70	77	73	62	68	68	61	60	60	64	57	58	....	59.8
Moorfield	Maximum	70	73	73	73	79	89	88	86	78	74	71	83	82	81	87	86	88	90	95	98	93	87	94	91	94	90	83	90	92	84	....	84.7
	Minimum	44	48	47	52	49	54	52	48	60	54	54	52	58	56	49	69	58	59	60	65	69	59	58	63	60	56	60	60	64	52	....	56.3
Piedmont	Maximum	68	66	66	66	74	80	80	79	72	69	64	73	80	75	80	80	83	83	91	91	85	84	85	86	87	76	75	85	86	73	....	78.1
	Minimum	44	50	50	54	42	53	53	50	61	55	56	55	61	60	50	61	56	59	61	68	72	61	58	69	63	54	60	62	65	53	....	57.2
Romney	Maximum	....	73	....	....	86	79	85	75	72	66	71	77	80	83	86	87	88	90	95	94	89	86	91	90	....	91	....	89	....	78	....	83.4
	Minimum	46	....	47	....	....	41	59	55	60	55	55	54	59	58	50	61	60	61	63	69	73	61	60	69	64	....	58	....	61	....	....	58.3
Upper Tract	Maximum	....	63	....	65	....	75	80	81	78	74	72	72	72	76	77	78	....	86	91	90	86	79	....	....	89	81	79	....	79	79	....	78.5
	Minimum	....	35	....	43	....	38	40	49	60	59	51	51	50	48	48	49	....	55	58	63	62	61	....	....	60	61	55	....	58	56	....	52.6
Northern Division																																	
Bens Run	Maximum	61	68	70	69	78	80	80	77	74	82	75	82	82	84	83	85	87	87	93	94	81	86	88	87	85	89	81	89	84	78	....	81.3
	Minimum	50	49	49	55	46	59	50	55	62	57	59	57	59	60	54	69	60	69	66	72	71	71	67	66	70	58	60	62	67	56	....	60.2
Buckhannon	Maximum	66	70	66	68	74	80	77	79	76	79	67	78	80	77	81	79	83	85	87	88	84	80	83	83	86	80	75	84	82	74	....	78.4
	Minimum	54	52	48	56	41	58	55	59	66	59	57	56	62	58	51	66	59	62	63	68	70	65	64	65	65	60	60	59	66	50	....	59.1
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Clarksburg	Maximum	70	72	69	70	79	81	80	81	78	85	76	84	83	80	86	86	86	88	92	92	92	88	92	87	88	87	85	87	88	81	....	83.1
	Minimum	47	54	52	55	42	56	52	54	57	61	55	56	62	59	52	63	58	60	62	69	73	65	63	65	67	60	61	60	67	54	....	58.7
Creston	Maximum	69	67	69	71	80	82	84	79	79	84	74	84	83	81	85	84	88	90	94	96	89	90	89	89	88	89	83	91	88	79	....	83.3
	Minimum	47	55	47	56	43	59	51	54	64	60	59	57	61	58	51	62	58	60	62	67	70	65	67	65	67	60	61	60	65	57	....	58.9
Elkins	Maximum	66	67	66	65	74	78	77	79	76	74	63	78	77	76	81	78	82	83	88	87	82	81	84	83	83	80	73	86	81	71	....	77.3
	Minimum	43	49	45	44	39	55	55	51	64	58	57	54	57	52	47	59	57	58	60	67	66	61	59	63	62	60	59	57	62	52	....	55.7
Fairmont§	Maximum	62	72	67	68	76	79	80	75	75	80	66	82	84	82	83	86	87	85	92	93	81	85	86	87	85	84	81	84	83	78	....	80.3
	Minimum	46	49	49	44	43	49	52	54	66	61	59	58	62	60	52	63	59	62	63	63	73	64	64	59	68	56	60	60	66	55	....	58.0
Glenville	Maximum	60	67	70	75	79	82	85	83	76	76	75	81	85	82	85	87	87	89	94	96	95	90	94	90	94	91	89	91	90	82	....	89.0
	Minimum	45	52	51	57	45	59	52	54	65	61	58	56	60	62	54	61	59	67	66	68	70	67	65	65	67	62	61	61	63	57	....	59.7
Lost Creek	Maximum	64	67	65	65	75	78	77	78	73	79	69	78	79	78	80	81	83	83	87	89	86	84	83	83	83	82	78	85	81	73	....	78.2
	Minimum	45	50	44	53	37	52	50	51	56	57	52	54	59	57	47	55	56	57	57	67	68	62	60	63	65	56	58	55	64	50	....	55.2
Mannington	Maximum	65	69	69	67	74	79	76	74	74	81	71	80	82	78	81	81	84	84	89	91	89	83	85	83	84	80	78	86	84	76	....	79.2
	Minimum	46	48	46	54	41	54	47	51	61	59	57	57	62	55	51	61	57	57	61	66	70	62	61	64	68	53	59	58	67	54	....	56.9
Morgantown	Maximum	65	72	68	66	75	78	78	78	80	79	64	82	84	79	82	83	86	86	90	92	90	85	87	84	86	84	81	86	85	76	....	80.4
	Minimum	50	47	51	53	44	58	52	54	60	60	59	58	64	....	....	62	59	61	62	74	70	62	64	76	69	56	59	61	64	52	....	59.3
New Cumberland§	Maximum	68	69	72	67	75	77	75	75	74	79	73	82	80	80	81	79	87	80	91	94	84	88	87	90	80	83	82	85	81	78	....	79.9
	Minimum	47	47	48	53	46	52	45	51	53	55	59	55	58	54	52	58	55	59	60	62	66	55	58	63	70	51	59	60	63	51	....	55.5
New Martinsville	Maximum	67	72	72	70	81	80	80	77	78	85	75	84	84	83	85	85	90	87	95	96	90	89	89	90	86	86	85	91	88	81	....	83.4
	Minimum	42	45	48	52	42	55	45	51	58	58	55	55	61	55	51	60	56	57	61	67	68	60	62	62	66	54	58	52	65	53	....	55.9
Parkersburg	Maximum	65	67	69	70	77	81	79	78	74	82	71	81	85	80	83	81	86	88	94	95	83	86	89	86	84	84	82	89	83	77	....	81.0
	Minimum	53	50	50	53	49	60	53	58	61	63	61	60	63	62	56	65	62	64	66	79	70	64	67	67	67	62	61	61	62	59	....	60.9
Parsons	Maximum	64	72	65	69	70	73	82	83	80	72	65	89	86	82	78	80	88	90	93	90	91	91	90	92	85	87	73	88	78	73	....	80.6
	Minimum	40	40	44	46	45	56	45	46	45	41	50	42	51	56	56	53	55	55	64	64	63	54	60	62	59	57	58	59	67	42	....	52.5
Philippi	Maximum	67	70	66	72	76	80	79	83	75	82	79	81	80	77	81	83	84	86	89	88	86	84	85	85	84	83	77	86	83	77	....	80.3
	Minimum	49	52	50	53	46	60	56	57	56	61	57	59	62	59	54	62	60	62	63	65	68	64	65	65	66	58	61	61	65	54	....	59.0
Pickens	Maximum	67	68	67	65	73	79	79	79	81	80	58	79	75	76	81	80	83	86	88	89	83	81	81	82	83	79	70	81	75	74	....	77.4
	Minimum	38	45	45	43	47	58	47	52	52	53	53	52	55	50	42	50	51	55	58	65	65	65	58	56	57	53	56	53	62	54	....	53.0
Terra Alta	Maximum	58	62	61	56	67	72	72	70	70	62	57	72	74	72	74	78	78	76	82	82	81	75	78	74	79	75	74	80	79	71	....	72.0
	Minimum	39	41	46	48	32	49	52	46	60	51	51	50	56	53	42	56	52	51	55	65	64	55	51	63	60	49	55	55	60	45	....	51.7
Wellsburg	Maximum	66	76	72	67	78	78	78	74	77	86	74	82	83	80	80	81	88	81	93	94	83	90	87	91	81	85	81	88	83	79	....	81.2
	Minimum	48	46	46	54	43	55	44	49	67	56	56	55	52	57	59	60	55	56	60	70	65	56	62	65	70	50	59	58	67	50	....	56.3
Weston	Maximum	54	64	66	66	72	74	77	77	75	73	72	77	77	76	80	80	82	82	87	87	87	82	83	83	88	82	82	90	85	83	....	78.1
	Minimum	48	52	49	49	41	58	54	55	65	61	56	57	60	60	52	63	59	62	61	71	70	66	64	65	63	61	61	59	66	55	....	58.9
Wheeling§	Maximum	62	70	73	71	80	80	82	72	77	83	72	84	86	84	85	84	92	86	95	98	78	92	91	92	84	80	85	86	85	80	....	82.4
	Minimum	50	46	49	53	46	58	47	52	54	57	58	57	62	55	51	61	57	60	63	71	68	59	62	64	70	54	58	60	65	53	....	57.3
Southern Division																																	
Bluefield	Maximum	71	74	73	68	77	80	80	80	81	78	80	78	81	81	84	85	82	82	88	87	83	89	87	84	83	84	83	82	86	88	....	81.5
	Minimum	46	46	48	51	45	60	56	65	60	56	53	53	63	60	65	53	60	59	61	69	68	71	64	63	66	67	65	64	57	57	....	59.0
Charleston	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Gary §	Maximum	60	58	59	61	78	84	....	85	82	85	75	83	85	....	85	83	87	90	76	76	....	72	71	71	72	71	72	....	75	69	....	75.
	Minimum	....	47	48	52	45	55	60	....	58	60	59	50	60	63	....	53	63	61	60	66	67	....	64	65	65	66	65	62	....	63	....	59.1
Hinton §	Maximum	71	75	67	73	75	85	85	84	88	72	64	81	82	82	85	83	87	88	92	92	89	83	86	82	87	84	82	88	86	75	....	81.
	Minimum	43	50	50	50	48	49	57	56	57	62	58	58	59	63	55	57	64	63	64	66	69	69	65	65	66	67	65	64	64	60	....	59.
Huntington §	Maximum	68	69	68	71	79	82	80	78	79	85	80	84	86	82	84	81	85	90	93	92	87	84	88	85	89	84	80	88	83	76	....	82.
	Minimum	50	54	52	55	52	55	56	61	66	65	63	64	68	67	60	60	63	65	70	74	75	70	72	67	70	63	66	65	71	60	....	63.
Lewisburg	Maximum	71	71	65	67	70	86	82	83	80	67	60	79	79	78	82	80	85	84	88	87	85	83	82	84	84	84	77	85	85	73	....	78.7
	Minimum	44	50	44	51	40	52	52	52	60	56	53	55	57	57	50	60	60	58	60	64	65	61	62	63	63	61	62	58	66	58	....	56.
Logan	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Marlinton	Maximum	62	60	62	64	66	78	80	78	76	58	56	72	70	74	76	72	80	82	84	85	82	78	80	76	80	80	74	80	78	76	....	74.
	Minimum	40	40	44	46	38	50	52	48	58	54	52	52	52	54	46	56	58	56	56	60	62	60	60	58	60	56	62	52	64	54	....	53.
Point Pleasant	Maximum	74	69	70	72	81	82	81	87	90	90	80	81	90	85	90	90	92	92	92	95	90	90	95	90	90	81	91	94	91	85	....	86.
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Powellton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Ravenswood	Maximum	70	64	67	71	77	81	82	83	78	85	76	83	85	87	85	82	86	89	91	94	93	85	87	86	86	86	86	91	85	75	....	82.
	Minimum	49	51	49	55	45	62	50	56	63	52	52	59	59	61	53	61	59	62	63	68	70	66	67	66	70	62	62	60	67	57	....	59.
Robertsburg§	Maximum	65	67	67	72	79	80	85	82	81	83	83	84	85	83	85	87	90	88	95	93	83	88	88	88	86	86	80	91	82	78	....	82.
	Minimum	44	50	49	54	46	52	52	56	60	62	60	60	63	63	60	61	58	62	64	68	71	65	67	62	66	63	62	63	66	56	....	59.
Ryan	Maximum	67	66	68	70	76	81	80	76	80	85	75	81	86	82	85	80	85	87	91	92	85	84	85	85	87	84	78	87	82	75	....	80.
	Minimum	42	50	45	54	43	59	50	54	63	60	58	59	61	58	51	61	58	60	61	65	65	66	65	64	61	63	64	58	68	54	....	58.
Spencer §	Maximum	56	58	56	68	67	75	72	75	68	68	70	72	76	59	80	81	84	84	90	91	84	81	84	84	79	70	78	78	78	74	....	74.
	Minimum	45	51	50	49	43	50	51	55	64	61	60	59	62	59	52	54	68	69	64	70	71	68	69	64	68	62	62	60	65	56	....	59.
Union	Maximum	....	73	74	73	74	83	86	....	86	68	65	89	83	82	....	85	88	89	92	93	93	....	87	87	87	87	87	87	....	88	....	83.
	Minimum	....	46	43	49	40	49	52	....	54	57	57	55	56	58	....	51	60	57	60	64	63	....	62	61	61	61	62	56	....	60	....	55.
White Sulphur Spgs§	Maximum	65	60	70	72	78	82	83	78	68	61	80	75	80	84	83	87	87	93	93	92	92	88	85	87	89	82	84	87	87	78	....	81.
	Minimum	50	40	47	42	45	57	50	60	60	55	55	60	58	53	59	61	59	60	62	65	65	65	63	63	63	61	57	67	69	67	....	57.
Williamson §	Maximum	68	68	68	70	75	80	81	83	83	83	78	82	85	83	82	80	84	87	90	91	85	80	86	82	86	84	81	87	81	72	....	80.
	Minimum	46	51	53	54	54	51	62	62	68	66	63	61	64	63	59	64	64	65	68	70	71	70	68	67	68	68	68	68	69	63	....	63.

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXII Parkersburg, W. Va., July, 1924 No. 7

GENERAL SUMMARY

The past month was the coolest July of State record since 1891, although only slightly cooler than July in 1909 and 1920. The month was characterized by nearly continuously cool weather for the season, the daily average temperatures being normal or slightly below at practically all stations until the 29th, except the 8th, 13th, 22d, and 23d, with the greatest daily plus departure of 4° for the month at Elkins and Parkersburg. The temperature was above 90° at only six stations, and the lowest readings ranged generally from 42° to 47°. The rainfall averaged only slightly below the normal and was well distributed. Only slight damage resulted from heavy showers and hail. All crops made good growth and were generally in fair to good condition at the close of the month, although corn was about two weeks late. The conditions were favorable for harvesting and haying from the 15th to the 21st and 24th to the 30th.

TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 70.0°. The departure from the normal for 40 stations having ten or more years of record was —2.8°. With the exception of four or five days, the temperature was continuously below the normal until the 29th, the highest temperatures occurring generally on the 11th, 21st, 22d, and 30th. As a rule, the lowest readings occurred on the 18th.

PRECIPITATION

The average rainfall, determined from 81 stations, was 4.49 inches. The departure from the normal for 49 stations having ten or more years of record was —0.17 inch. The rainfall was heaviest over the central and mountain counties and lightest over the extreme eastern and southern counties. Showers occurred daily in most sections from the 4th to the 8th, and on the 10th, 11-12th, 21st-23d, and 30th-31st. the greatest amounts being measured on the 7th, 13th, 22d, 23d, and 31st. There were also light and scattered showers on the 3d, 15th, 17th, 18th, 25th, and 26th.

HAIL

From 5:30 to 6 00 p. m., July 30, a moderate hail storm, attending a heavy thundershower, passed eastward over Harrison County from near Bridgeport to Wilsonburg, the heaviest hail and rain falling in the vicinity of Clarksburg. The storm was about two miles in width and the stones ranged from about the size of a pea to nearly one inch in diameter. The estimated loss to crops from hail and heavy rain by this storm was about $1000.00

Light hail fell in sections of Wood County on the 4th and 12th and in Webster County on the 29th and 30th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bancroft, 1st, 2d, 3d, 8th, 9th, 11th, 14th, 16th, 26th, 28th, and 29th; Charleston, 18th, 23d, and 26th; Creston, 3d, 9th, 11th, and 27th; Elkins, 1st, 9th, 11th, 18th, 20th, 24th, 27th, and 30th; Hinton, 9th, 11th, 12th, 15th, 17th, 19th, 23d, 24th, and 30th; Huntington, 11th; Marlinton, 1st, 3d, 9th, 10th, 14th, 16th, 18th, 24th, 26th, 27th, 29th, and 30th; Parkersburg, 5th; St. Marys, 9th, 11th, 16th, 18th, and 24th.

Thunderstorms (dates and number of stations reporting): 3d, 1; 4th, 5; 5th, 4; 6th, 7; 7th, 4; 8th, 2; 10th, 1; 12th, 8; 13th, 5; 15th, 1; 17th, 3; 21st, 4; 22d, 7; 23d, 5; 28th, 1; 29th, 2; 30th, 10; 31st, 14.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.02	78	53	63	320.4	71	3,789	5.1	36	s.	12
Columbus, Ohio	30.03	77	55	60	347.3	76	5,589	7.5	46	nw.	30
Elkins	30.04	91	58	77	248.9	55	2,628	3.5	28	n	31
Lexington, Ky	30.03	78	62	....	261.3	58	7,510	10.1	38	sw.	12
Parkersburg	30.04	77	50	64	330.4	73	2,823	3.8	45	w.	4
Pittsburgh, Pa	30.02	79	61	63	367.2	80	5,766	7.8	44	w.	12
Wytheville, Va	30.03	86	62	79	......	48	2,982	4.0	16	nw.	17

COMPARATIVE DATA FOR JULY

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Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (inches)	Clear	Partly Cloudy	Cloudy
1891	67.5	......	......	5.59	......	......	......	......	......	......
1892	73.4	98	41	4.20	......	......	......	......	......	......
1893	73.8	98	42	2.96	5.95	1.37	......	20	10	1
1894	73.3	100	36	2.21	4.84	0.50	......	10	19	2
1895	70.5	99	39	4.35	7.04	1.65	......	11	13	7
1896	73.3	97	46	9.07	15.70	2.91	......	9	12	10
1897	74.2	102	46	5.43	9.92	2.85	......	11	12	8
1898	75.0	103	40	4.46	8.33	1.53	......	12	7	12
1899	73.3	100	33	3.78	7.92	0.20	......	14	10	7
1900	74.7	104	41	4.38	7.88	1.72	......	15	11	5
1901	77.4	104	47	3.16	6.21	0.69	......	14	12	5
1902	74.2	104	45	3.54	8.42	0.96	......	14	12	5
1903	72.5	100	37	3.74	8.30	1.82	......	16	10	5
1904	71.5	97	42	3.28	6.00	1.04	......	14	12	5
1905	73.3	98	43	5.92	10.64	3.00	......	12	11	8
1906	72.4	98	45	4.54	7.40	1.50	......	12	11	8
1907	72.7	98	42	6.66	13.36	1.99	......	12	14	5
1908	74.0	100	41	5.21	9.43	2.08	......	14	13	4
1909	70.2	96	36	4.17	10.50	0.60	......	14	11	6
1910	73.8	98	41	4.92	13.16	0.54	......	13	12	6
1911	73.3	106	40	2.82	6.94	0.40	......	16	12	3
1912	72.0	100	45	7.48	15.22	2.67	......	12	12	7
1913	74.2	103	40	5.80	10.07	2.14	......	15	12	4
1914	73.1	106	38	4.11	7.74	0.98	......	16	10	5
1915	71.9	99	38	4.63	11.31	1.82	......	12	11	8
1916	74.8	102	42	3.49	9.47	1.06	......	16	8	7
1917	72.6	104	44	4.83	8.27	1.25	......	14	10	7
1918	70.3	101	38	3.18	6.90	1.04	......	17	7	7
1919	74.3	104	41	5.51	13.08	1.96	......	18	7	6
1920	70.1	99	40	4.84	8.94	2.34	......	16	8	7
1921	75.6	101	44	3.58	8.90	1.08	......	16	10	5
1922	72.9	99	43	4.53	8.05	1.33	......	15	8	8
1923	71.7	100	37	4.70	9.46	2.22	......	16	8	7
1924	70.0	99	36	4.49	7.63	1.65	......	16	9	6
Means and extremes	72.9	106	33	4.58	15.70	0.20	......	14	11	6

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., July, 1924

See temperature and precipitation data in Climatological Tables, Pages 26, 27, and 28

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation	.115	.330	.115	.145	.230	.195	.140	.120	.210	.225	.220	.225	....	.159	.121	.240	.208	.222	.210	.210	....	.205	.280	.230	.265	.215	.210	.215	.250	.275	.136	5.961
	Wind movement	39	51	31	32	28	20	38	25	15	37	24	30	66	31	21	39	59	58	41	14	23	36	30	22	50	30	26	10	31	32	42	1,031

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for July, 1924

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,700	23	65.2	− 2.4	87	12†	43	3†	42	6.36	+1.42	1.68	0	14	17	8	6	sw.	U. G. Clark.
Brandywine††	Pendleton	......	8	67.8	......	90	23	43	18	40	3.65	......	1.50	0	7	18	1	12	sw.	Elmer Keister.
Burlington	Mineral	875	30	73.8	+ 1.2	98	30	49	19	40	2.10	−1.59	0.80	0	5	15	15	1	w	Mrs. Louie Bumphrey.
Harpers Ferry	Jefferson	244	35	......	......	......	......	......	......	....	1.65	−1.95	0.84	0	8	......	......	......	......	J. C. Newcomer.
Inwood^{h}	Berkeley	569	2	71.3	......	94	30	54	18	36	3.12	......	1.45	0	......	16	5	2	......	H. W. Prettyman.
Martinsburg	Berkeley	435	32	74.6^{a}	− 0.7	99^{a}	30	52	27	38^{a}	3.02	−0.84	1.45	0	9	20	11	0	se.	Dr. H. S. Gardner.
Moorefield^{d}	Hardy	900	28	72.1	− 2.1	98	30	43	18	44	2.52	−0.87	1.00	0	8	26	1	0	......	M. S. Henkel.
Piedmont	Mineral	919	11	69.0	......	88	22†	49	19†	33	3.52	......	0.72	0	10	16	6	9	nw.	C. A. Suter, Jr.
Romney††	Hampshire	824	26	73.2^{f}	− 1.7	95^{f}	13†	42^{f}	27	45^{b}	3.80	+0.26	1.18	0	10	23	5	3	......	Richard A. Bergdoll.
Stony River Dam	Grant	......	4	......	......	......	......	......	......	....	5.25	......	1.74	0	10	9	9	13	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	25	65.8^{d}	− 6.2	85^{d}	7	42^{d}	18	35^{d}	2.20	−1.60	2.00	0	3	23	0	8	......	J. M. Mallow.
Wardensville	Hardy	1,200	6	69.0^{a}	......	88^{a}	2†	41	17	40^{a}	2.50	......	0.72	0	11	9	12	10	sw.	Luther F. Sutton.
Averages and	extremes	......	....	70.1	− 2.0	99	30	41	17	44	3.22	−0.90	2.00	0	9	17	8	6	w.	
Northern Division																				
Aberdeen	Lewis	......	0	......		......	......	......	......	....	5.74	......	0.90	0	10	8	19	4	w.	....
Bens Run	Pleasants	622	22	72.6	− 2.3	92	22†	50	2†	37	4.27	−0.28	1.30	0	9	21	10	0	......	J. D. Riggs.
Benson	Harrison	1,080	1	70.1	......	91	21†	44	18	39	5.85	......	1.35	0	11	13	18	0	......	R. D. Marts.
Brownsville	Lewis	1,032	1	71.2	......	93	21	44	18	45	4.07	......	0.71	0	12	17	12	2	......	S. L. Montgomery.
Bruceton Mills	Preston	1,549	4	......	......	......	......	......	......	....	5.57	+0.27	1.60	0	12	3	19	9	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	27	69.0	− 3.0	88	22	46	18	30	4.79	−0.55	0.88	0	13	17	8	6	......	H. A. Darnall.
Cheat Bridge	Randolph	3,558	6	60.2^{a}	......	90^{a}	23	36	18	37^{a}	5.35	......	2.00	0	14	25^{a}	2^{a}	3^{a}	......	H. F. Cromer.
Clarksburg	Harrison	1,015	2	72.0	......	94	29	47	18	38	4.21	......	0.84	0	13	13	15	3	nw.	Clarksburg Water Board
Cortland	Tucker	3,300	13	......	......	......	......	......	......	....	6.16	+0.16	1.72	0	10	16	6	9	......	G. W. Harmon.
Crawford	Lewis	1,087	1	......	......	......	......	......	......	....	5.93	......	1.68	0	11	17	14	0	......	J. Cecil Owens.
Creston	Wirt	701	22	72.1	− 2.5	95	29	48	2†	38	5.10	+1.08	1.14	0	11	14	8	9	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	3	......	......	......	......	......	......	....	4.40	......	1.34	0	13	......	......	......	......	Lockmaster.
Dam 12 O. R.	Ohio	614	8	......	......	......	......	......	......	....	2.62	......	0.55	0	12	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	605	8	......	......	......	......	......	......	....	2.96	......	0.57	0	11	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	3	......	......	......	......	......	......	....	4.48	......	1.11	0	16	......	......	......	......	Lockmaster.
Davis	Tucker	3,093	15	......	......	......	......	......	......	....	6.86	+1.30	1.92	0	15	11	13	7	w.	Ross C. Male.
Elizabeth	Wirt	646	12	......	......	......	......	......	......	....	4.13	−0.16	1.45	0	8	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	23	67.2	− 3.1	87	21	46	18	33	5.86	+1.22	1.17	0	15	5	17	9	w.	U. S. Weather Bureau.
Fairmont	Marion	883	18	71.2	− 3.0	92	21	48	18	36	3.62	−1.11	0.95	0	17	29	0	2	w.	Creed E. Bolyard.
Glenville	Gilmer	738	30	73.8	− 1.1	95	24	49	18	42	4.78	−0.51	1.10	0	11	18	8	5	w.	Howard R. Brannon.
Horner	Lewis	1,044	1	......	......	......	......	......	......	....	5.42	......	1.50	0	10	21	10	0	......	Thomas E. Miles.
Janelew (near)	Lewis	1,020	1	72.6	......	95	22	46	2	43	7.23	......	2.00	0	10	20	9	2	sw.	Dan Burkholder.
Lost Creek	Harrison	1,026	26	67.6	− 4.6	88	29	42	18	37	4.97	+0.19	1.06	0	10	13	14	4	w.	Allen Smith.
Mannington	Marion	974	21	69.0	− 3.0	89	22†	45	18	34	4.55	−0.42	1.12	0	12	13	15	3	w.	Jas. A. Morgan.
Morgantown^{a}	Monongalia	1,250	31	71.2	− 2.3	90	21†	45	18	33	5.07	0	2.18	0	9	5	13	12	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	21	70.1^{a}	− 3.1	90^{a}	29	49	2†	33^{a}	3.66	−0.81	0.82	0	10	16	11	4	nw.	Fred N. Wilson.
New Cumberland	Hancock	987	26	70.5	− 2.3	93	16†	47	2†	35	2.79	−1.50	0.77	0	10	14	4	13	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	30	72.0	− 3.3	96	30	46	18	42	5.30	+0.50	1.70	0	8	20	10	1	s.	Wm. Ankrom.
Parkersburg	Wood	638	37	72.6	− 2.8	93	29	52	18	31	3.75	−0.91	1.00	0	13	14	9	8	se.	U. S. Weather Bureau.
Parsons	Tucker	1,656	24	68.4	− 1.7	90	21	45	18	41	5.40	+0.28	......	0	......	15	12	4	......	J. W. Swisher.
Philippi	Barbour	1,149	27	70.4	− 2.0	89	21	49	3	32	6.17	+1.19	1.55	0	13	17	8	6	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	21	65.8^{b}	− 2.8	88^{b}	21	43^{b}	11†	40^{b}	7.63	+1.26	2.30	0	13	19	5	7	w.	Dr. J. L. Cunningham.
Roanoke	Lewis	1,050	1	......	......	......	......	......	......	....	5.82	......	1.22	0	12	15	15	1	......	Miss Mary A. Conrad.
Rowlesburg	Preston	1,375	37	......	......	......	......	......	......	....	7.06	+2.04	1.35	0	13	......	......	......	......	J. F. Pierce.
Saint Marys	Pleasants	577	15	......	......	......	......	......	......	....	4.92	+0.81	1.25	0	9	......	......	......	sw.	Wm. Hughes.
Smithfield	Wetzel	835	18	71.4	− 0.7	93	29	47	2†	39	6.13	+0.74	1.49	0	12	29	1	1	se.	G. M. Whisler.
Terra Alta	Preston	2,612	23	62.5	− 6.6	82	21	39	3	37	6.73	+1.17	1.59	0	15	16	11	4	w.	J. J. Shanahan.
Valley Chapel	Lewis	1,011	1	72.2	......	94	22†	46	18	40	5.69	......	1.51	0	12	22	9	0	w.	J. C. Campbell.
Vandalia	Lewis	1,120	1	......	......	......	......	......	......	....	7.42	......	1.81	0	11	......	......	......	......	W. S. Linger.
Wellsburg	Brooke	1,225	23	70.2	− 1.6	91	21†	47	2†	39	4.48	−0.11	1.20	0	11	16	13	2	w.	George P. Pfister.
Weston	Lewis	1,026	28	72.0	− 2.3	93	29†	47	18	39	4.18	−0.79	0.71	0	13	20	6	5	......	Weston State Hospital.
Wheeling	Ohio	645	37	72.1	− 2.8	98	29	46	18	40	3.54	−1.06	1.15	0	11	13	15	3	w.	Miss M. B. Forsyth.
Averages and	extremes	......	....	70.0	− 2.7	98	29	36	18	45	5.11	+0.15	2.30	0	12	16	11	4	w.	
Southern Division																				
Bancroft	Putnam	574	20	70.6	− 3.8	89	30	49	2†	28	4.16	+0.12	1.21	0	14	18	2	11	se.	E. H. Morrow.
Beckley	Raleigh	2,440	24	69.9	− 1.4	85	12†	49	4	32	2.29	−1.94	0.90	0	5	20	9	2	w.	K. E. Williams.
Bluefield^{b}	Mercer	2,558	29	70.2	− 1.3	90	29	42	18	38	3.36	−1.11	1.16	0	11	12	11	6	......	Norfolk & Western Ry
Camden-on-Gauley	Webster	2,062	9	......	......	......	......	......	......	....	5.81	......	1.80	0	6	16	0	15	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	21	......	......	......	......	......	......	....	4.84	+0.69	1.30	0	8	......	......	......	......	George Huber.
Clay	Clay	706	8	......	......	......	......	......	......	....	4.83	......	2.16	0	12	......	......	......	......	Ted Thomas.
Dam 19 O. R.	Wood	557	8	......	......	......	......	......	......	....	3.78	......	1.08	0	9	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	8	......	......	......	......	......	......	....	4.25	......	1.56	0	11	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	8	......	......	......	......	......	......	....	2 05	......	0.80	0	6	......	......	......	......	U. S. Engineer Office.
Gary	McDowell	1,426	8	68.1^{e}	......	90^{e}	30	50^{e}	30	40^{j}	3.30	......	0.99	0	10	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	28	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	W. H. Gwinn.
Hinton	Summers	1,450	27	70.2	− 3.9	89	30	53	18	30	2.80	−1.15	0.70	0	14	10	0	21	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	30	72.8	− 3.6	90	30	53	18	26	4.54	+0.30	1.48	0	9	14	11	6	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	5	......	......	......	......	......	......	....	3.90	......	1.50	0	5	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	8	......	......	......	......	......	......	....	6.49	......	2.25	0	12	......	......	......	......	Cabin Creek Con. Coal C
Lewisburg	Greenbrier	2,200	24	68.3	− 2.7	87	22	45	18	33	3.09	−0.99	0.74	0	9	16	8	7	s.	Geo. T. Argabate.
Logan	Logan	700	21	......	......	......	......	......	......	....	4.95	+0.05	1.80	0	12	......	......	......	......	Geo. R. Travis.
Marlinton	Pocahontas	2,131	25	64.2	− 4.4	84	24†	42	18	32	5.06	−0.27	1.20	0	12	4	25	2	sw.	S. L. Brown.
Organ Cave	Greenbrier	......	2	......	......	......	......	......	......	....	2.49	......	0.76	0	11	......	......	......	......	D. C. Humphreys.
Point Pleasant	Mason	553	31	......	......	......	......	......	......	....	2.80	−1.30	0.98	0	7	22	1	8	s.	Miss Grace E. Henson.
Powellton††	Fayette	933	28	......	......	......	......	......	......	....	......	......	......	0	......	......	......	......	......	Elkhorn-Piney Coal Co.
Ravenswood (Dam 22)	Jackson	538	9	73.0	......	96	11	47	18	42	2.74	......	0.96	0	7	15	0	16	......	Lockmaster.
Robertsburg	Putnam	574	24	72.8	− 2.6	94	29†	48	18	37	3.34	......	1.20	0	7	23	0	8	......	M. Frazier.
Ryan	Roane	700	21	70.3	− 3.0	91	30	46	3†	36	4.57	+0.01	1.00	0	13	15	11	5	......	Wm. E. Ryan.
Sharples	Logan	......	4	......	......	......	......	......	......	....	5.12	......	1.47	0	10	......	......	......	......	E. H. Locke.
Spencer	Roane	784	20	69.2	− 4.4	88	29†	48	3	32	4.05	+0.24	1.72	0	7	9	19	3	......	A. M. McKown.
Summersville	Nicholas	1,894	0	68.6	......	90	30	44	3†	39	4.92	......	1.85	0	14	9	20	2	......	Cecil Groves.
Sutton	Braxton	839	18	69.6	− 6.7	93	9†	47	3	39	7.24	+2.07	2.27	0	10	20	0	11	......	C. B. Eakle.
Union^{d}	Monroe	2,250	20	70.0	− 1.0	92	29	45	18	41	2.98	−1.64	1.00	0	10	9	10	8	......	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	14	69.2^{a}	− 1.4	92^{a}	21	47	17	41^{a}	3.45	−1.60	0.95	0	13	21	7	3	......	E. J. Comar.
Williamson	Mingo	660	24	71.4	− 4.1	88	22	54	2	25	3.87	−0.39	1.12	0	11	20	7	4	w.	J. F. Keyser.
Averages and	extremes	......	....	69.9	− 3.1	96	11	42	18	42	4.04	−0.43	2.27	0	10	15	8	8	s.	
State averages and	extremes	......	....	70.0	− 2.8	99	30	36	18	45	4.49	−0.17	2.30	0	11	16	9	6	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missingdays; for example, ^{b} represents two days, etc.

Daily Precipitation for July, 1924

Stations	Drainage-basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Panhandle Division																																	
Bayard	Potomac	....	....	T.	.29	.17	T.	.66	.71	....	.16	....	....	1.68	T.	....	....	.21	....	....	....	....	.43	.39	....	.03	.08	.26	....	....	.67	.62	6.36
Brandywine	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Burlington	do	....	T	....	....	.10	.30	T.	.80	....	....	....	....	.80	....	....	....	....	....	....	....	....	....	T.	....	T.	T.	....	....	....	....	.10	2.10
Harpers Ferry ‖	do	....	.04	....	....	T.	....	.84	.01	.12	....	....	....	.13	.04	....	....	....	....	....	....	....	....	.40	....	....	T	.07	....	....	....	....	1.65
Inwood	do	....	.20	.06	....	....	....	1.45	.30	.02	.09	....	....	....	....	....	....	....	....	....	....	*	*	*	*	*	*	*	1.00	....	....	....	3.12
Martinsburg	do	.25	.08	T.	....	....	1.45	.70	.10	T.	.10	....	.05	.07	....	....	T.	....	....	....	....	....	....	.22	....	....	....	....	....	....	....	....	3.02
Moorefield	do	....	....	....	.10	....	....	....	1.00	....	.16	....	....	.36	....	....	....	....	....	....	....	....	.25	.15	....	....	....	....	....	....	.20	.30	2.52
Piedmont	do	....	....	....	.31	.04	....	.72	.50	....	.04	....	.58	.55	....	....	....	T.	....	....	....	....	....	.43	....	....	....	.09	....	....	....	.26	3.52
Romney	do	....	.09	.47	....	....	....	.43	1.18	....	....	.33	....	.57	....	....	....	....	....	....	....	.07	.59	....	....	....	....	....	....	....	.06	.01	3.80
Stony River Dam ‖	do	....	....	.02	.15	.02	....	.63	1.74	.06	....	....	....	.95	....	....	....	....	....	....	....	....	.97	.24	....	....	....	....	....	....	....	.47	5.25
Upper Tract	do	....	....	T.	.10	....	....	.10	2.00	....	T.	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	T.	....	2.20
Wardensville ‖	do	.52	....	.15	.02	T.	....	.72	....	T.	.43	.11	....	.20	....	....	.20	....	....	....	....	T.	....	.10	....	....	....	....	....	T.	.01	.04	2.50
Northern Division																																	
Aberdeen	Monongahela	....	....	....	.29	.90	.35	.56	.58	....	.40	....	....	.77	T.	....	....	....	....	....	....	....	.43	.80	....	T.	....	....	....	....	....	.66	5.74
Bens Run	Ohio	....	....	....	.05	....	....	1.30	....	....	.34	....	....	.60	....	....	....	....	....	....	....	.31	.75	....	....	.08	....	....	....	....	.77	.07	4.27
Benson	Monongahela	....	....	....	.20	.67	.05	.38	.15	....	.32	....	....	.77	T.	....	....	....	....	....	....	.30	.72	1.35	....	....	....	....	....	....	....	.94	5.85
Brownsville	do	....	....	....	.26	.34	.11	.30	.41	....	.31	....	....	.65	.03	....	....	....	....	....	....	.41	.03	.71	....	....	....	....	....	....	....	.51	4.07
Bruceton Mills ‖	do	....	....	T.	.22	1.20	.03	.59	.02	....	.35	....	....	1.60	....	....	....	.04	....	....	....	....	1.25	.03	....	.07	T.	....	....	....	T.	.17	5.57
Buckhannon	do	....	....	T.	.45	.25	.25	.25	.50	....	.30	....	.15	.75	T.	....	....	....	....	....	....	.14	.48	.27	....	.12	....	....	....	....	....	.88	4.79
Cheat Bridge ‖	do	.08	....	.05	....	....	....	.97	.09	....	....	.20	....	2.00	.06	.03	....	....	.08	....	....	....	....	.21	....	.29	.11	....	....	....	.37	.81	5.35
Clarksburg	do	....	....	.01	.10	.29	.09	.39	.23	....	.26	....	....	.74	....	.02	....	....	....	....	....	....	.66	.84	....	....	.18	....	....	....	....	.40	4.21
Cortland ‖	do	....	.08	....	.60	....	....	.40	.35	....	.56	....	.95	.30	....	....	....	....	....	....	....	....	1.72	....	....	....	....	....	....	.15	....	1.05	6.16
Crawford	do	....	....	....	.28	.41	.21	.31	.78	....	.33	....	....	1.68	.03	....	....	....	....	....	....	....	.30	.60	....	....	....	....	....	....	....	1.00	5.93
Creston ‖	Little Kanawha	....	....	....	.82	.28	.12	1.00	....	....	.18	.10	....	.98	....	.06	....	....	....	....	....	....	.04	1.14	....	T.	T.	....	....	....	....	.38	5.10
Dam 10, Mon. R. ‖	Monongahela	....	....	....	.04	.71	.16	.37	.14	....	.06	.24	....	.75	.04	....	....	.14	....	....	....	....	....	1.34	....	.02	....	....	....	....	....	.39	4.40
Dam 12, O. R. ‖	Ohio	....	....	....	....	.54	.03	.55	.15	....	.30	....	....	.25	.03	....	....	.04	....	....	....	....	.02	.19	....	.03	....	....	....	....	....	.49	2.62
Dam 13, O. R ‖	do	....	....	....	....	.54	.03	.53	.02	....	.48	....	....	.17	.20	....	....	....	....	....	....	....	.15	.24	....	.03	....	....	....	....	....	.57	2.96
Dam 15, Mon. R. ‖	Monongahela	....	....	....	.08	.33	.12	.18	.28	....	.04	.23	....	1.11	.02	....	....	.15	.18	....	....	....	.51	.42	....	.03	.05	....	....	....	....	.75	4.48
Davis ‖	do	....	....	.04	.09	.03	....	.54	.97	.02	....	.23	....	1.92	.05	....	....	....	.53	....	....	....	1.00	.68	....	T.	.06	....	....	....	.01	.69	6.86
Elizabeth ‖	Little Kanawha	....	....	....	.17	....	....	1.20	....	....	.24	....	....	.67	....	.05	....	....	....	....	....	....	.06	1.45	....	....	....	....	....	....	....	.29	4.13
Elkins ***	Monongahela	....	....	T.	.22	.78	.18	.76	.18	....	.19	....	.73	.40	.01	....	....	.07	....	....	....	....	.68	.13	....	.13	....	....	T.	....	.33	1.07	5.86
Fairmont ‖	do	....	....	.02	.13	.15	....	.21	.29	.02	.10	.20	....	.95	.02	....	....	.18	....	....	....	....	.33	.37	....	.03	.15	.03	....	....	....	.44	3.62
Glenville ‖	Little Kanawha	....	....	....	.17	.48	.16	.31	.20	....	.11	T.	....	.70	....	....	....	....	....	....	....	....	.62	1.10	....	....	.05	....	....	....	....	.88	4.78
Horner	do	....	....	....	.35	1.50	.27	.34	.73	....	.31	....	....	.83	....	....	....	....	....	....	....	.24	....	.55	....	....	....	....	....	....	....	.30	5.42
Janelew (near)	do	....	....	.36	.70	.80	.74	.50	....	.40	....	....	.55	....	....	....	....	....	....	....	....	....	....	2.00	....	....	....	....	....	....	.50	.68	7.23
Lost Creek	do	....	T.	....	.11	.45	T.	.90	.17	....	.36	....	....	.76	T.	....	....	T.	....	....	....	.11	1.02	....	....	.03	....	....	....	....	....	1.06	4.97
Mannington	do	....	....	....	.08	.33	....	.34	.23	.01	.39	....	....	.50	....	....	....	.17	....	....	....	T.	.74	....	....	.37	....	....	....	....	.27	1.12	4.55
Morgantown	do	T.	....	....	.14	....	.74	.34	.12	....	.36	....	....	.76	....	....	....	T.	....	....	....	....	2.18	....	....	T.	....	....	....	....	.03	.40	5.07
Moundsville ‖	Ohio	....	....	....	.32	.01	....	.79	.02	....	.26	....	.40	....	....	....	....	....	....	....	....	....	.50	....	....	.01	....	....	....	....	.82	.53	3.66
New Cumberland ‖	do	....	....	....	.10	....	.77	.16	....	....	.22	....	....	.41	....	....	....	.03	....	....	....	....	.03	.21	....	.06	....	....	....	....	....	.80	2.79
New Martinsville	do	....	....	....	....	....	....	.95	....	....	.25	....	....	.90	....	....	....	....	....	....	....	.20	1.70	....	....	.30	....	....	....	....	.30	.70	5.30
Parkersburg ***	do	....	....	....	.54	.01	.32	.68	T.	....	.28	....	.47	.23	.01	....	....	....	....	....	....	.47	.59	.02	....	T.	....	....	....	....	.09	.04	3.75
Parsons	Monongahela	....	....	....	*	*	*	*	*	1.31	*	....	*	....	*	....	....	2.09	....	....	....	....	*	....	....	....	....	....	....	....	*	2.00	5.40
Philippi	do	....	....	....	.25	.07	T.	.35	.38	.02	.33	....	....	1.18	.02	....	....	.05	....	....	....	....	.45	1.55	....	.62	....	....	....	....	....	.90	6.17
Pickens	do	....	....	....	.16	.95	....	.42	.44	....	.32	....	....	2.13	.11	....	....	.09	....	....	....	.14	.49	....	....	.03	....	....	.05	....	....	2.30	7.63
Roanoke	do	....	....	T.	.30	.50	.16	.31	.50	....	.33	1.10	....	....	.04	....	....	T.	....	....	....	1.22	.50	.46	T	T.	....	....	....	....	....	.40	5.82
Rowlesburg ‖	do	....	....	....	.85	.33	.25	.90	.35	....	....	.30	....	1.35	....	....	....	....	.10	....	....	....	.44	.90	....	....	.05	.05	....	....	....	1.19	7.06
Saint Marys ‖	Ohio	.28	....	....	.03	T.	....	.90	....	....	.46	....	....	.88	....	....	....	....	....	....	....	....	1.25	.58	....	.02	....	....	....	....	....	.52	4.92
Smithfield ‖	Fishing Creek	....	....	....	.06	.34	....	1.49	.25	....	.60	....	....	.44	....	....	....	.10	....	....	....	....	.75	1.49	....	.03	.07	....	....	....	....	.51	6.13
Terra Alta	Monongahela	....	T.	T.	1.40	.02	.15	.74	.26	....	.39	....	.02	1.59	....	....	....	.07	....	....	....	....	.51	.02	....	.30	.20	....	....	....	.25	.81	6.73
Valley Chapel	do	....	....	....	.22	.37	.30	1.00	.22	....	.40	....	....	.88	....	....	....	....	....	....	....	.16	....	1.51	....	.01	.04	....	....	....	....	.58	5.69
Vandalia	do	....	....	....	.45	1.10	.32	.55	.72	....	.34	....	....	1.81	.04	....	....	....	....	....	....	.35	....	.81	....	....	....	....	....	....	....	.93	7.42
Wellsburg	Ohio	....	....	....	.15	.42	....	.78	....	....	.20	....	.21	.21	....	....	....	.09	....	....	....	....	1.20	....	....	.05	....	....	....	....	.27	.90	4.48
Weston	Monongahela	....	....	....	.23	.38	.05	.71	.43	....	.46	....	....	.56	....	....	.02	....	....	....	....	.20	.11	.65	....	....	....	.03	....	....	....	.35	4.18
Wheeling ‖	Ohio	....	....	....	....	.54	.02	.72	.11	T.	.31	....	....	.27	.01	....	....	T.	....	....	....	....	.01	.38	T.	.02	....	....	....	....	....	1.15	3.54
Southern Division																																	
Bancroft ‖	Great Kanawha	....	....	....	.05	.24	.15	1.21	....	....	.15	.02	....	.77	....	.06	.11	....	.02	....	....	....	.85	.06	....	.02	....	....	....	....	....	.45	4.16
Beckley	do	....	....	....	....	....	....	....	.90	....	....	....	....	.47	.05	....	....	....	....	....	....	....	.57	....	....	....	....	....	....	....	T.	.30	2.29
Bluefield	do	....	....	....	.12	.17	.14	1.16	.11	....	.75	....	.38	.22	....	.02	....	.11	....	....	....	.18	....	....	....	....	....	....	....	....	....	....	3.36
Camden-on-Gauley ‖	do	....	....	....	....	....	1.00	....	....	....	.47	....	1.80	....	....	....	....	....	....	....	....	.44	....	....	....	....	....	....	....	....	1.00	1.10	5.81
Charleston ‖	do	....	....	....	....	.90	1.00	1.30	....	....	.07	....	....	.47	.08	....	....	....	....	....	....	....	.73	....	....	....	....	....	....	....	....	.29	4.84
Clay ‖	do	....	....	....	....	.35	.13	.57	.25	....	.05	.20	....	2.16	....	.02	....	....	....	....	....	....	.45	.10	....	.03	....	....	....	....	....	.52	4.83
Dam 19 O. R. ‖	Ohio	....	....	....	T.	.75	.01	.96	....	....	.26	....	....	1.08	T.	.04	....	....	....	....	....	....	.35	.27	....	T.	....	....	....	....	....	.06	3.78
Dam 20 O. R. ‖	do	....	....	....	.01	.01	.01	1.56	....	....	.15	....	1.30	....	.06	....	....	....	....	....	....	....	.04	.42	....	.01	....	....	....	....	....	.68	4.25
Dam 26 O. R. ‖	do	....	....	....	....	....	....	.60	....	....	.12	....	....	.80	....	.20	....	....	.08	....	....	....	....	....	....	....	....	....	....	....	....	.25	2.05
Gary ‖	Big Sandy	....	....	....	....	.15	....	.99	.40	.08	.02	.64	....	....	.42	....	....	....	....	....	....	.02	.04	.54	....	....	....	....	....	....	....	....	3.30
Hinton ‖	do	....	....	....	.08	....	.04	.54	.08	.12	....	.40	....	.70	.04	.02	T.	....	.02	....	.02	....	.64	.02	....	....	....	....	....	....	....	.08	2.80
Huntington ‖	Ohio	....	....	....	.10	....	.76	.72	....	....	.08	....	....	1.22	....	.02	....	T.	.02	....	....	....	.62	....	....	....	....	....	....	....	....	1.00	4.54
Kanawha Falls ‖	Great Kanawha	....	....	....	....	....	.70	.80	....	....	....	.20	....	....	....	....	....	....	.70	....	....	....	1.50	....	....	....	....	....	....	....	....	....	3.90
Kayford ‖	do	T.	....	....	....	.07	.90	2.25	1.29	....	....	.31	....	.97	.20	.03	....	....	.16	....	....	....	.24	....	....	.03	....	....	....	....	....	.04	6.49
Lewisburg	do	....	....	....	....	.12	....	.73	.18	....	.55	....	....	.74	.05	....	....	.63	....	....	....	.04	....	....	....	....	....	....	....	....	....	.05	3.09
Logan	Guyandotte	....	....	....	....	.07	1.69	1.80	.04	....	.09	.12	....	.70	.15	.04	....	....	....	....	....	....	.18	.05	....	....	....	....	....	....	....	.02	4.95
Marlinton	Great Kanawha	....	T.	....	.24	T.	T.	.62	.84	....	.32	....	.12	1.20	T.	....	....	.08	....	....	....	.10	.60	.74	.02	....	....	....	....	....	....	.18	5.06
Organ Cave	do	....	....	.06	.02	....	.76	*	.44	....	.54	....	.22	....	.11	....	....	.09	....	....	....	.20	....	....	....	....	....	....	....	....	....	.05	2.49
Point Pleasant ‖	Ohio	....	....	....	....	....	.20	.30	....	....	.12	....	....	.88	....	.12	....	....	....	....	....	....	.20	....	....	....	....	....	....	....	....	.98	2.80
Powellton	Great Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Ravenswood (Dam 22	Ohio	....	....	....	.12	....	....	.96	....	....	.03	.04	....	.72	....	....	....	....	....	....	....	.05	....	....	....	....	....	....	....	....	....	.82	2.74
Robertsburg ‖	Great Kanawha	....	....	....	.10	....	....	.57	....	....	.13	....	....	1.13	....	....	.12	....	....	....	....	....	1.20	....	....	....	....	....	....	....	....	.09	3.34
Ryan	do	....	....	....	.39	1.00	.13	.90	.04	....	.28	....	.52	.33	.04	....	....	....	....	....	....	.23	.02	....	....	....	....	....	....	....	.06	.63	4.57
Sharples ‖	Coal River	....	....	....	....	.31	1.38	1.47	.09	.08	.08	....	1.05	T.	.02	....	....	.26	....	....	....	.38	....	....	....	....	....	....	....	....	....	T.	5.12
Spencer ‖	Little Kanawha	T.	....	....	.10	.25	.22	1.72	....	....	.07	....	....	.71	....	T.	....	....	....	....	....	T.	T.	....	....	....	....	....	....	....	....	.98	4.05
Summersville	Gauley	....	....	....	.02	.01	.03	.22	1.03	....	.61	....	....	1.85	.02	....	....	.19	....	....	....	.20	.34	.05	....	.04	....	....	....	....	....	.31	4.92
Sutton	Great Kanawha	....	....	....	.32	.28	.16	.27	1.00	....	.24	....	....	1.86	T.	....	....	....	....	....	....	.16	....	.68	....	....	....	....	....	....	....	2.27	7.24
Union	do	....	....	....	....	.12	....	1.00	.61	....	.46	.03	.05	....	.25	....	....	.06	....	....	....	....	.10	....	....	....	....	....	....	....	....	.30	2.98
White Sulpr. Spgs. ‖	do	....	....	.02	.10	....	.95	.58	.04	....	.45	....	.32	.45	.07	....	....	.34	....	....	....	....	.03	....	....	....	....	....	....	....	.08	.02	3.45
Williamson ‖	Big Sandy	....	....	....	.23	.28	.70	1.12	....	....	.22	.06	....	.46	....	.05	....	....	T.	....	T.	T.	.46	.18	....	....	....	....	....	....	....	.11	3.87

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

††† Probably incomplete.

Daily Temperatures for July, 1924

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	73	71	73	72	75	81	78	76	83	83	82	87	82	75	78	80	77	71	80	85	87	85	82	86	78	74	79	83	86	86	79	79.6
	Minimum	50	50	43	54	56	56	62	62	50	53	46	45	63	50	46	50	54	43	43	45	46	57	62	48	54	43	43	43	48	50	63	50.9
Brandywine	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Burlington	Maximum	84	82	79	80	85	90	89	80	92	84	91	93	89	83	86	90	85	85	86	90	94	94	94	94	85	84	87	92	94	93	88	88.0
	Minimum	58	58	56	63	65	64	65	69	62	66	56	56	69	59	55	57	52	53	49	56	60	68	66	60	64	53	50	52	57	60	68	59.5
Inwood	Maximum	76	78	78	76	78	76	82	82	86	84	86	88	84	78	82	88	84	76	85	88	....	....	....	....	....	....	....	....	92	94	88	83.0
	Minimum	55	58	58	55	60	63	56	62	62	64	58	64	60	58	56	56	62	54	58	62	....	....	....	....	....	....	....	....	56	64	70	59.6
Martinsburg§	Maximum	81	82	82	82	81	85	80	91	86	91	94	91	81	84	92	82	84	90	84	89	91	93	93	95	87	85	90	92	95	99	....	87.7
	Minimum	59	58	63	59	64	69	69	65	65	59	61	65	63	59	60	64	55	58	60	59	60	63	70	61	67	57	52	55	60	63	69	61.6
Moorfield	Maximum	....	....	80	78	85	....	....	89	91	86	88	93	90	86	87	92	87	80	85	92	92	96	91	95	92	82	89	94	96	98	89	89.0
	Minimum	....	....	52	58	59	....	....	58	59	61	52	53	65	55	52	55	54	43	46	52	56	63	62	56	63	48	46	50	54	56	63	55.2
Piedmont	Maximum	77	74	75	75	78	81	80	76	83	79	84	85	80	74	78	82	82	73	79	83	87	88	87	88	80	82	80	84	87	86	78	80.8
	Minimum	55	56	53	59	62	63	62	67	60	58	54	54	65	56	54	57	58	50	49	55	57	65	65	58	50	50	49	51	57	59	65	57.2
Romney	Maximum	....	80	....	....	....	....	....	88	91	85	90	92	95	79	82	90	86	92	85	94	90	85	91	94	95	85	87	92	90	95	85	88.7
	Minimum	53	....	54	....	....	....	....	....	60	61	51	55	63	57	53	49	59	61	72	54	49	72	55	58	62	71	42	51	55	60	65	57.7
Upper Tract	Maximum	77	73	....	....	79	....	85	78	81	....	80	80	79	79	80	79	75	73	75	79	80	83	83	81	80	80	79	80	82	81	79	79.3
	Minimum	56	54	....	....	52	....	58	62	56	....	50	50	51	50	51	51	46	42	43	49	48	65	67	58	55	54	45	46	47	55	55	52.4
Wardensville§	Maximum	84	88	81	79	80	81	87	85	86	82	88	84	85	82	81	76	78	85	81	88	85	81	78	86	88	85	82	85	83	87	....	83.4
	Minimum	59	58	57	57	56	57	63	61	62	59	57	50	53	55	54	58	41	45	51	55	54	56	51	46	51	57	53	54	52	54	55	54.5
Northern Division																																	
Bens Run	Maximum	78	75	80	83	84	85	82	84	89	84	86	87	85	75	83	85	79	79	83	88	89	92	89	89	86	81	86	90	92	92	85	84.7
	Minimum	53	50	50	59	61	64	64	65	61	70	58	61	68	58	59	62	62	51	57	57	62	69	66	63	64	57	57	56	71	55	66	60.5
Buckhannon	Maximum	73	76	75	75	79	83	78	75	83	78	80	86	80	72	78	82	76	71	76	81	86	88	82	84	78	75	78	83	84	87	83	79.5
	Minimum	55	53	47	58	60	61	64	65	58	62	55	56	67	56	55	60	58	46	54	53	57	67	68	59	65	58	52	55	60	60	67	58.4
Clarksburg	Maximum	76	76	79	84	85	88	82	83	89	87	87	90	87	83	82	84	84	77	84	91	93	91	89	89	87	78	87	90	94	91	88	85.6
	Minimum	53	52	49	58	59	61	65	65	60	61	56	56	67	56	56	59	59	47	52	53	55	66	67	61	65	57	54	53	59	60	66	58.3
Creston	Maximum	76	75	80	83	85	86	84	86	89	85	90	88	84	76	86	85	77	80	85	91	90	92	89	91	82	84	88	92	95	94	84	85.5
	Minimum	54	48	49	59	60	62	63	64	59	63	55	57	68	58	59	60	59	48	54	53	60	66	65	58	66	57	53	55	60	62	67	58.7
Elkins	Maximum	70	69	72	74	78	84	76	75	83	76	81	87	80	71	78	81	72	70	79	82	87	87	82	85	74	73	80	83	86	85	77	78.6
	Minimum	54	50	49	56	59	60	64	62	56	58	53	54	61	53	55	57	51	46	50	52	54	63	62	57	59	55	51	51	57	58	62	55.8
Fairmont§	Maximum	78	77	80	82	86	85	81	78	87	83	86	88	84	71	82	84	77	78	83	89	92	88	89	90	80	80	86	90	91	91	80	83.7
	Minimum	53	51	50	54	59	62	65	65	60	65	57	58	65	57	57	59	62	48	52	53	57	65	67	60	63	58	57	56	60	63	66	58.8
Glenville	Maximum	77	76	82	86	90	86	90	85	89	88	88	93	89	92	84	89	94	91	87	90	87	89	94	95	89	84	88	89	93	92	92	88.3
	Minimum	55	51	52	58	61	64	64	65	61	62	57	58	67	57	58	61	59	49	54	54	57	66	67	62	66	59	55	54	60	61	66	59.4
Lost Creek	Maximum	73	73	75	78	80	84	78	78	83	78	82	86	82	71	79	80	76	75	79	85	87	86	84	84	77	76	82	86	88	87	81	80.4
	Minimum	50	47	44	55	58	58	62	61	57	60	51	52	65	51	53	56	57	42	50	48	53	63	65	56	63	51	49	50	54	58	64	54.9
Mannington	Maximum	75	75	76	80	82	84	79	80	85	81	82	87	82	76	79	82	79	74	79	84	88	89	85	85	79	76	81	85	88	89	80	81.5
	Minimum	52	47	46	54	58	62	64	65	60	61	53	53	67	54	56	58	56	45	50	50	54	65	68	59	63	54	50	52	56	58	66	56.6
Morgantown	Maximum	74	75	78	80	....	86	81	79	86	84	85	88	83	80	80	83	79	74	80	87	90	90	87	87	84	77	83	88	90	90	78	82.9
	Minimum	53	51	49	58	....	59	65	74	62	66	56	60	66	57	56	60	64	45	51	54	59	68	68	60	67	54	51	60	62	65	65	59.5
New Cumberland§	Maximum	72	78	79	82	88	86	81	84	86	82	86	89	85	80	81	93	72	74	79	88	89	89	87	90	76	78	85	88	93	89	82	83.6
	Minimum	54	47	47	54	57	61	64	62	61	62	55	56	62	56	54	59	62	47	49	53	55	63	62	61	63	55	51	55	60	65	66	57.4
New Martinsville	Maximum	77	78	80	87	87	87	85	89	90	88	90	94	87	78	87	88	83	80	85	92	95	93	90	93	84	84	90	93	95	96	89	87.5
	Minimum	52	47	47	56	56	61	62	62	58	62	51	55	65	53	55	58	57	46	50	51	53	65	66	60	62	53	51	52	58	60	63	56.5
Parkersburg	Maximum	74	75	77	78	81	84	83	85	87	84	86	87	84	73	84	83	76	76	82	88	88	91	87	90	80	81	86	90	93	91	86	83.5
	Minimum	58	54	53	59	60	65	64	66	62	65	59	62	69	62	60	62	60	52	57	58	64	70	68	62	64	60	55	60	63	69	70	61.7
Parsons	Maximum	74	75	82	75	80	86	80	78	85	79	84	79	82	75	88	82	74	73	82	86	90	88	85	86	84	83	85	83	89	78	86	81.8
	Minimum	53	49	49	60	63	58	63	63	59	56	54	56	56	53	52	57	53	45	47	48	49	62	62	56	55	57	59	55	49	55	56	55.1
Philippi	Maximum	74	72	77	76	83	84	80	77	85	85	83	88	81	75	79	82	79	75	81	86	89	88	85	86	82	77	82	82	88	87	85	81.7
	Minimum	54	52	49	57	62	63	63	65	60	64	56	62	66	52	55	61	61	58	53	54	60	66	66	61	62	54	54	56	61	63	63	59.1
Pickens	Maximum	75	....	....	71	78	83	77	68	83	75	82	78	81	72	80	81	70	70	80	81	88	86	84	84	74	74	81	85	86	87	72	78.8
	Minimum	50	....	....	52	53	55	58	58	53	56	43	60	57	58	49	53	52	46	43	46	56	58	56	54	57	43	54	45	51	55	60	52.9
Terra Alta	Maximum	67	67	68	65	73	74	71	70	79	76	76	78	72	69	72	74	72	63	72	78	82	81	77	79	73	65	77	78	81	80	68	73.5
	Minimum	46	46	39	53	56	57	61	61	53	54	47	46	62	54	49	50	60	46	42	46	47	57	63	52	57	43	40	45	50	54	60	51.5
Wellsburg	Maximum	75	75	79	80	84	86	85	85	88	83	87	88	85	77	81	85	75	78	81	90	91	89	89	90	87	79	85	90	91	86	79	84.0
	Minimum	53	47	48	52	55	62	65	63	56	60	52	53	67	55	53	55	63	48	47	57	52	64	62	57	65	55	47	51	57	60	64	56.3
Weston	Maximum	77	72	80	83	83	85	78	79	91	88	86	91	88	82	82	87	85	79	82	86	92	92	90	91	88	78	83	90	93	93	92	85.5
	Minimum	55	52	49	58	60	61	64	63	59	61	56	57	67	55	57	59	60	47	55	54	53	67	69	59	66	56	53	55	59	62	67	58.5
Wheeling§	Maximum	77	79	81	85	87	88	84	88	90	88	91	92	87	75	86	89	80	68	80	94	93	94	92	93	79	84	90	94	98	91	86	86.5
	Minimum	55	49	48	57	58	63	62	63	60	62	56	58	62	55	57	60	63	46	51	54	56	60	63	60	63	55	50	55	60	62	65	57.7
Southern Division																																	
Bluefield	Maximum	80	74	78	76	75	81	82	80	82	83	83	83	81	82	82	84	83	80	....	....	83	85	86	86	84	82	85	83	90	87	85	82.2
	Minimum	56	50	56	53	56	61	60	64	65	62	52	63	59	57	60	59	58	42	....	....	53	64	68	65	63	53	54	51	57	58	66	58.1
Gary §	Maximum	62	58	....	65	....	70	70	69	72	64	70	....	73	78	77	78	78	72	....	75	85	86	88	88	81	....	86	86	89	90	83	76.7
	Minimum	58	53	55	....	58	....	62	67	60	61	59	60	....	62	64	61	60	55	52	....	60	65	69	60	65	54	....	53	60	50	65	59.5
Hinton §	Maximum	74	68	73	74	78	82	83	80	86	77	83	83	81	81	80	85	80	75	76	85	81	87	86	86	82	76	82	83	88	89	82	80.8
	Minimum	58	54	54	55	61	61	64	65	63	61	57	58	61	61	62	63	61	53	54	57	57	66	67	61	62	58	55	55	58	61	65	59.6
Huntington §	Maximum	75	75	77	79	80	81	77	83	87	83	85	88	84	76	82	84	77	75	80	81	84	89	87	87	78	80	83	86	89	90	85	82.3
	Minimum	59	54	55	60	63	65	64	65	63	67	60	64	70	65	64	66	65	53	60	62	68	70	70	65	68	61	57	60	64	68	70	63.4
Lewisburg	Maximum	73	73	69	74	78	80	82	75	84	76	79	86	79	78	80	82	77	73	76	83	86	87	84	85	77	75	80	84	86	84	80	79.5
	Minimum	57	51	51	58	56	59	63	64	58	58	51	56	65	55	62	58	55	45	50	59	61	64	63	59	61	59	47	57	54	56	66	57.1
Marlinton	Maximum	70	70	66	66	72	76	78	70	68	74	76	80	76	74	76	78	72	68	72	78	80	82	82	84	74	72	74	80	80	84	78	75.2
	Minimum	52	48	46	52	52	60	62	60	56	56	50	50	62	52	56	54	52	42	44	52	54	58	60	54	58	50	46	50	52	52	60	53.3
Point Pleasant	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Powellton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Ravenswood	Maximum	76	76	78	81	83	86	83	84	87	87	96	87	85	85	86	85	84	89	88	88	88	90	90	90	88	89	87	92	93	92	75	86.1
	Minimum	53	52	50	59	59	68	64	63	59	67	55	59	68	59	64	59	60	47	55	55	63	70	66	59	66	60	51	57	59	64	69	60.0
Robertsburg§	Maximum	76	80	80	82	82	85	88	86	89	88	90	87	90	90	85	85	78	80	86	89	84	91	91	92	89	84	90	93	94	91	82	86.5
	Minimum	53	49	50	52	60	63	65	62	60	64	56	61	62	60	60	60	60	48	50	54	63	66	66	60	61	58	53	56	60	66	68	59.0
Ryan	Maximum	75	76	77	80	80	85	80	82	86	81	84	87	84	76	81	81	77	75	80	85	87	89	88	88	80	86	85	87	90	91	90	83.1
	Minimum	55	48	46	59	59	60	63	63	58	63	54	56	69	57	58	60	61	46	52	53	60	65	65	56	63	56	49	58	55	58	58	57.5
Spencer §	Maximum	72	73	75	79	79	81	77	80	80	70	78	83	82	72	80	81	75	74	79	84	81	80	80	87	78	78	80	87	88	88	85	79.5
	Minimum	53	49	48	55	61	62	72	69	59	65	55	58	63	58	59	61	61	57	52	55	61	65	62	57	62	55	51	55	58	60	68	58.9
Summersville	Maximum	73	72	75	77	79	84	83	79	86	82	84	87	81	77	81	84	83	80	82	85	87	88	86	87	84	78	84	86	89	90	83	82.5
	Minimum	55	47	44	56	54	55	62	62	57	55	53	57	66	55	56	55	54	44	47	52	58	59	63	53	59	52	45	48	52	54	65	54.6
Sutton	Maximum	76	76	82	82	77	82	82	81	93	93	87	90	90	85	81	84	84	80	84	87	87	87	89	90	90	82	87	87	92	92	91	85.
	Minimum	55	48	47	51	52	55	53	54	57	54	56	55	56	55	55	58	52	48	51	53	52	54	55	55	56	54	51	53	56	56	54	53.6
Union	Maximum	78	76	75	73	77	....	84	84	87	86	84	88	....	84	86	86	86	81	80	....	88	90	90	90	89	82	....	87	92	90	91	81.6
	Minimum	57	57	51	52	56	....	60	62	57	56	50	56	....	54	61	55	54	45	50	....	60	60	64	54	60	49	....	46	52	54	64	55.4
White Sulphur Spgs§	Maximum	61	68	73	79	80	82	74	86	74	74	88	88	82	88	74	84	78	74	86	88	92	86	88	82	81	83	88	90	86	82	....	81.
	Minimum	51	53	57	57	63	63	64	58	64	53	53	66	58	61	64	54	47	49	55	61	61	64	56	61	50	49	48	49	57	59	64	57.
Williamson §	Maximum	73	70	75	78	80	80	79	81	85	80	81	85	82	79	81	81	78	75	78	80	81	88	85	83	78	78	80	81	86	87	80	80.
	Minimum	60	54	55	56	61	64	64	65	65	66	63	63	64	67	64	64	65	56	57	59	68	67	68	63	64	60	59	60	61	65	66	62.

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXII PARKERSBURG, W. VA., AUGUST, 1924 No. 8

GENERAL SUMMARY

August was somewhat wetter than usual, with about normal temperature and a large percentage of sunshine. The warmest weather of the season prevailed from the 4th to the 7th, although the temperature on the 31st was unusually high. Low temperatures were recorded generally on the morning of the 15th, with light frost in the mountain sections. The rainfall occurred mostly during thunderstorms and was unfavorably distributed, the greatest amounts being received in scattered localities of the southern and central counties, and the least in the middle western and extreme eastern sections. A heavy thundershower during the night of the 24-25th along the border of Harrison and Lewis Counties, caused considerable damage at Lost Creek and Janelew. Two young boys were drowned while playing near Hacker's Creek; several houses, one railway and five highway bridges were washed from their foundations, and crops generally destroyed. All crops made fair growth, and at the close of the month corn was in fair to poor condition and from two to three weeks late. Harvesting and haying progressed rapidly, and a good crop of hay had been secured.

TEMPERATURE

The monthly mean for the State, determined from 51 stations, was 71.7°. The departure from the normal for 39 stations having ten or more years of record was +0.1°. The temperature was considerably above the average from the 4th to the 10th, and from the 22d to the 31st, inclusive, with the highest temperatures occurring generally on the 5th, 6th, 9th, and 31st. Cool weather prevailed on the 1st and 2d, and from the 15th to the 21st, with the lowest readings on the 15th and 19th. The highest monthly mean was 76.0° at Glenville, and the lowest was 62.8° at Cheat Bridge. The highest temperature was 104° at Martinsburg and Moorefield on the 6th, and the lowest was 34° at Terra Alta on the 15th.

PRECIPITATION

The average precipitation for the State, determined from 81 stations, was 4.63 inches. The departure from the normal for 48 stations having ten or more years of record was +0.27 inch. Showers occurred daily in most sections from the 1st to the 12th, on the 17th, and from the 20th to the 26th. The greatest amounts being measured on the 12th, 21st, 23d, and 25th. The greatest monthly rainfall was 9.34 inches at Horner, and the least was 0.69 inch at Martinsburg. The greatest amount in any 24 consecutive hours was 4.00 inches at Clay on the 21st.

MISCELLANEOUS PHENOMENA

Fogs, dense: Beckley, 8th and 9th; Cairo, 9th and 29th; Creston, 4th, 13th, and 14th; Elkins, 10th, 11th, 13th, 15th, 18th, 24th, 27th, 29th, 30th, and 31st; Hinton, 2d, 6th, 7th, 26th, 28th, and 30th; Huntington, 30th; Marlinton, 1st to the 4th, 9th and 10th, 13th to the 19th, and from the 26th to the 31st; Parkersburg, 13th and 24th; Rowlesburg, 11th, 15th, and 29th; Smithfield, 24th, 28th, and 29th; Wellsburg, 18th and 29th; Wheeling, 13th and 24th; Williamson, 8th, 9th, and 29th.

Halo, solar: Terra Alta, 19th.

Thunderstorms (dates and number of stations reporting): 1st, 8; 5th, 7; 6th, 5; 7th, 5; 8th, 1; 9th, 10; 10th, 3; 11th, 5; 12th, 7; 13th, 1; 17th, 1; 20th, 17; 22d, 4; 23d, 8; 24th, 6; 25th, 7; 27th, 2.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.00	79	53	60	316.4	75	4,059	5.5	28	nw.	19
Columbus, Ohio	30.01	76	54	56	334.7	79	6,059	8.1	35	nw.	22
Elkins	30.02	91	58	82	246.2	58	2,601	3.5	21	ne	9
Lexington, Ky	30.00	82	62	....	264.5	63	7,953	10.7	39	w.	6
Parkersburg	30.02	80	55	62	302.6	71	3,079	4.1	26	nw.	13
Pittsburgh, Pa	30.00	81	63	64	335.8	79	6,346	8.5	48	nw.	5
Wytheville, Va	30.01	87	59	78	260.0	62	3,060	4.1	21	sw.	7

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	69.8	.....	.....	5.48	.....	.....	.....	.....	.....	.....
1892	72.1	96	41	2.55	.....	.....	.....	.....	.....	.....
1893	70.8	98	41	3.38	.....	.....	.....	.....	.....	.....
1894	71.5	103	38	2.07	.....	.....	.....	.....	.....	.....
1895	73.3	104	40	3.01	5.15	0.27	.....	14	12	5
1896	72.6	97	40	2.82	7.69	1.15	.....	15	11	5
1897	70.9	100	42	2.91	5.69	0.88	.....	15	12	4
1898	73.7	96	44	7.51	5.93	0.77	.....	13	14	4
1899	73.5	100	34	2.64	11.57	4.40	.....	12	12	7
1900	76.0	100	45	3.15	6.37	0.34	.....	15	11	5
1901	73.6	98	43	5.14	7.20	1.03	.....	17	10	4
1902	70.4	98	35	2.40	13.70	1.64	.....	10	13	8
1903	71.4	105	38	2.64	6.05	0.97	.....	15	13	3
1904	70.7	95	32	2.88	5.85	0.99	.....	12	13	6
1905	71.3	96	40	4.25	6.71	0.67	.....	15	10	6
1906	75.4	98	47	5.15	8.32	1.32	.....	14	11	6
1907	69.4	93	41	4.64	10.72	2.18	.....	10	13	8
1908	70.9	101	37	2.82	10.12	1.55	.....	13	10	8
1909	70.8	99	37	3.03	5.63	0.84	.....	15	10	6
1910	70.8	98	39	2.03	5.79	0.81	.....	16	10	5
1911	73.5	105	40	6.71	5.58	0.70	.....	17	10	4
1912	69.3	95	35	3.64	12.14	2.38	.....	13	10	8
1913	72.7	102	37	3.18	11.70	0.25	.....	10	13	8
1914	71.8	100	40	4.86	8.20	0.79	.....	19	7	5
1915	69.4	99	36	4.84	9.29	1.38	.....	15	9	7
1916	72.9	104	40	4.76	8.36	2.46	.....	10	11	10
1917	71.6	102	39	3.53	15.35	1.46	.....	14	9	8
1918	76.0	110	43	3.96	8.80	0.94	.....	17	8	6
1919	70.2	100	40	4.54	9.15	0.63	.....	17	8	6
1920	71.1	95	42	4.27	8.67	0.95	.....	16	9	6
1921	69.7	98	37	5.20	9.28	1.69	.....	9	10	12
1922	68.9	98	31	3.87	9.46	2.13	.....	16	8	7
1923	71.0	99	33	4.39	7.51	1.20	.....	14	9	8
1924	71.7	104	34	4.63	12.42	1.60	.....	15	8	8
Means and extremes	71.7	110	31	3.91	15.35	0.25	.....	14	11	6

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., August, 1924

See temperature and precipitation data in Climatological Tables, Pages 30, 31, and 32

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation	....	.185	.178	.220	.210	.260	.210	.110	.266	.136	.203	.155	.190	.215	.155	.186	.121	.185	.161	.002	.108	.256	.189	.166	.170	.140	.175	.185	.185	.170	.215	5.307
	Wind movement	53	17	22	31	20	17	35	21	21	21	40	43	22	56	22	19	30	51	5	27	5	14	16	16	12	39	23	25	20	11	14	768

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for August, 1924

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,700	23	67.3	+1.3	92	31	36	15	49	3.59	-1.02	1.06	0	11	20	6	5	w.	U. G. Clark.
Brandywine	Pendleton	......	8	69.2	......	93	7†	40	19	40	3.25	......	1.35	0	4	25	0	6	n.	Elmer Keister.
Burlington	Mineral	875	30	74.8	+3.6	102	9	44	21	46	3.70	-0.10	1.50	0	5	19	8	4	s.	Mrs. Louie Bumphrey.
Harpers Ferry	Jefferson	244	35	......	......	......	......	......	......	......	1.84	-1.98	0.60	0	9	......	......	......	......	J. C. Newcomer.
Inwood	Berkeley	569	2	72.8	......	98	6	44	19	38	1.98	......	0.68	0	6	24	7	0	se.	H. W. Prettyman.
Martinsburg	Berkeley	435	32	74.4^{a}	+1.5	104^{a}	6	47	19	40^{a}	0.69	-3.18	0.49	0	4	22	8	1	w.	Dr. H. S. Gardner.
Moorefield	Hardy	900	28	73.8	+0.5	104	6	42	15†	50	1.76	-1.48	0.68	0	5	28	2	1	......	M. S. Henkel.
Piedmont	Mineral	919	11	70.4	......	92	6†	45	15†	35	2.31	......	0.75	0	7	19	8	4	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	26	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Richard A. Bergdoll.
Stony River Dam	Grant	......	4	......	......	......	......	......	......	......	3.34	......	1.40	0	10	9	6	16	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	25	68.2^{f}	+2.8	95^{f}	7	43^{f}	16	38^{f}	1.60	-2.15	1.10	0	3	17^{g}	0^{g}	7^{g}	......	J. M. Mallow.
Wardensville	Hardy	1,200	6	70.0^{a}	......	97^{a}	5	41	19	43^{a}	5.05	......	2.71	0	8	11	16	4	sw.	Luther F. Sutton.
Averages and	extremes	......	....	71.2	+1.9	104	6	36	15	50	2.65	-1.65	2.71	0	7	20	6	5	w.	
Northern Division																				
Aberdeen	Upshur	1,060	0	......	......	......	......	......	......	......	7.54	......	1.83	0	8	9	16	6	w.	L. Else Bond
Bens Run	Pleasants	622	22	74.2	+0.4	96	6	51	15†	35	4.43	+0.21	1.95	0	9	20	9	2	......	J. D. Riggs.
Benson	Harrison	1,080	1	71.8	......	94	6	42	15	42	4.61	......	1.86	0	9	5	24	2	......	R. D. Marts.
Brownsville	Lewis	1,032	1	73.3	......	96	6	44	15	42	6.29	......	2.25	0	7	23	6	2	......	S. L. Montgomery.
Bruceton Mills	Preston	1,549	4	......	......	......	......	......	......	......	2.43	......	0.92	0	9	7	17	7	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	27	70.0	-0.3	89	6	46	15	30	6.75	+2.65	2.13	0	9	21	6	4	......	H. A. Darnall.
Cairo	Ritchie	680	25	72.9	+0.1	97	6	44	15	41	2.49	-1.13	0.82	0	9	15	13	3	......	O C. Hess
Cheat Bridge	Randolph	3,558	6	62.8^{b}	......	88^{b}	6†	38^{a}	15	41^{c}	3.91	......	1.36	0	7	20	7	4	......	H. F. Cromer.
Clarksburg	Harrison	1,015	2	74.1	......	96	6†	49	15†	38	6.17	......	2.51	0	8	19	8	4	nw.	Clarksburg Water Board.
Cortland	Tucker	3,300	13	......	......	......	......	......	......	......	4.11	......	1.10	0	8	19	9	3	......	G. W. Harmon.
Crawford	Lewis	1,087	1	......	......	......	......	......	......	......	4.73	......	1.40	0	8	22	9	0	......	J. Cecil Owens.
Creston	Wirt	701	22	74.1	+0.7	96	6	46	15	41	4.42	+0.97	1.25	0	8	14	5	12	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	3	......	......	......	......	......	......	......	5.15	......	1.58	0	12	......	......	......	......	Lockmaster.
Dam 12 O. R.	Ohio	614	8	......	......	......	......	......	......	......	6.89	......	2.50	0	12	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	605	8	......	......	......	......	......	......	......	4.75	......	1.05	0	12	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	3	......	......	......	......	......	......	......	6.90	......	2.15	0	11	......	......	......	......	Lockmaster.
Davis	Tucker	3,093	15	......	......	......	......	......	......	......	3.68	-1.30	0.86	0	10	......	......	......	......	Ross C. Male.
Elizabeth	Wirt	646	12	......	......	......	......	......	......	......	3.84	-0.53	0.78	0	8	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	23	69.1	0	90	6	46	19	37	3.81	+0.16	1.77	0	9	9	17	5	nw.	U. S. Weather Bureau.
Fairmont	Marion	883	18	73.1	-0.1	96	31	50	18	35	6.84	+3.30	2.02	0	12	24	1	6	w.	Creed E. Bolyard.
Glenville	Gilmer	738	30	76.0	+2.1	98	7	48	15	42	4.98	+1.07	1.74	0	10	23	3	5	w.	Howard R. Brannon.
Horner	Lewis	1,044	1	......	......	......	......	......	......	......	9.34	......	2.75	0	8	23	6	2	......	Thomas E. Miles.
Janelew(near)	Lewis	1,020	1	74.0	......	95	5†	44	14	42	7.48	......	2.50	0	7	23	3	5	sw.	Dan Burkholder.
Lost Creek	Harrison	1,026	26	69.4	-1.6	91	6	42	15	39	6.27	+2.25	1.68	0	9	20	8	3	w.	Allen Smith.
Mannington	Marion	974	21	70.2	-0.7	91	6	43	15	55	6.98	+3.06	1.24	0	12	16	10	5	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	31	72.4^{a}	+0.1	94	6	48^{a}	15	33^{a}	3.86	-0.34	1.10	0	6	6	13	12	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	21	71.9^{a}	-1.0	95^{a}	30	46	14	37^{a}	2.12	-1.47	0.61	0	8	22	6	3	se.	Fred N. Wilson.
New Cumberland	Hancock	987	26	71.2	+0.3	96	31	47	19	40	2.98	-0.50	0.66	0	14	19	4	8	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	30	73.8	-0.3	99	5	45	15	44	3.75	+0.25	1.10	0	7	22	7	2	......	Wm. Ankrom.
Parkersburg	Wood	638	37	74.9	+1.0	98	6	50	15	34	1.44	-2.09	0.41	0	8	13	10	8	s.	U. S. Weather Bureau.
Parsons	Tucker	1,656	24	70.0	+0.8	90	6†	43	19	46	2.15	-1.64	......	0	......	18	9	4	......	J. W. Swisher.
Philippi	Barbour	1,149	27	71.6	-0.1	91	6	45	17	34	4.54	+0.49	0.94	0	8	19	5	7	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	21	67.4	+0.6	90	31	40	15†	40	3.21	-1.90	0.97	0	7	22	5	4	w.	Dr. J. L. Cunningham.
Roanoke	Lewis	1,050	1	......	......	......	......	......	......	......	5.69	......	1.57	0	8	16	11	4	......	Miss Mary A. Conrad.
Rowlesburg	Preston	1,375	37	......	......	......	......	......	......	......	3.09	-0.78	0.88	0	9	......	......	......	......	J. F. Pierce.
Saint Marys	Pleasants	577	15	......	......	......	......	......	......	......	3.95	-0.81	1.22	0	10	......	......	......	......	Wm. Hughes.
Smithfield	Wetzel	835	18	73.0	+2.0	96	31	46	15	40	5.37	+0.91	1.12	0	10	24	2	5	se.	G. M. Whisler.
Terra Alta	Preston	2,612	23	64.7	-3.2	85	6	34	15	40	2.57	-2.42	0.59	0	8	9	7	5	nw.	J. J. Shanahan.
Valley Chapel	Lewis	1,011	1	74.0	......	97	6	46	15	41	5.86	......	2.30	0	6	21	5	5	w.	J. C. Campbell.
Vandalia	Lewis	1,120	1	......	......	......	......	......	......	......	5.42	......	1.34	0	8	......	......	......	......	W. S. Linger.
Wellsburg	Brooke	1,225	23	70.8	+0.4	96	6	43	15	42	2.78	-1.06	1.11	0	9	19	7	5	w.	George P. Pfister.
Weston^{a}	Lewis	1,026	28	74.0	+1.0	95	7	46	15	40	6.08	+2.15	2.30	0	8	20	9	1	......	Weston State Hospital.
Wheeling	Ohio	645	37	73.6	+0.2	102	31	45	18	43	5.66	+1.99	2.15	0	13	15	7	9	w.	Miss M. B. Forsyth.
Averages and	extremes	......	....	71.7	+0.1	102	31	34	15	46	4.77	+0.13	2.75	0	9	18	8	5	w.	
Southern Division																				
Bancroft	Putnam	574	20	72.3	-1.3	93	6	49	15†	35	4.86	+0.44	1.75	0	14	16	5	10	sw.	E. H. Morrow.
Beckley	Raleigh	2,440	24	70.0	+0.1	88	6	48	19	34	4.89	+1.83	2.30	0	5	18	12	1	w.	K. E. Williams.
Bluefield^{a}	Mercer	2,558	29	72.0	+1.1	90	2†	48	15	34	3.47	-0.95	1.20	0	12	13	13	4	......	Norfolk & Western Ry
Camden-on-Gauley	Webster	2,062	9	......	......	......	......	......	......	......	2.30	......	1.20	0	2	16	0	15	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	21	......	......	......	......	......	......	......	5.70	+1.34	1.33	0	9	......	......	......	......	George Huber.
Clay	Clay	706	8	......	......	......	......	......	......	......	8.60	......	4.00	0	9	......	......	......	......	Ted Thomas.
Dam 19 O. R.	Wood	557	8	......	......	......	......	......	......	......	1.95	......	0.41	0	10	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	8	......	......	......	......	......	......	......	2.77	......	0.80	0	9	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	8	......	......	......	......	......	......	......	4.70	......	2.00	0	6	......	......	......	......	U. S. Engineer Office.
Gary	McDowell	1,426	8	74.6^{d}	......	96^{d}	5†	50^{d}	15	39^{h}	5.30	......	1.45	0	12	......	......	......	......	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	28	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	W. H. Gwinn.
Hinton	Summers	1,450	27	72.6	-1.1	91	6†	51	19†	32	4.38	+0.52	1.24	0	9	11	0	20	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	30	74.0	-0.8	93	5†	52	19	31	5.04	+1.33	3.32	0	9	14	8	9	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	5	......	......	......	......	......	......	......	8.33	......	1.89	0	11	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	8	......	......	......	......	......	......	......	7.00	......	1.46	0	12	......	......	......	......	Cabin Creek Con. Coal Co
Lewisburg	Greenbrier	2,200	24	69.5	-0.4	91	6	45	19	33	6.03	+2.47	2.01	0	9	23	3	5	s.	Geo. T. Argabate.
Logan	Logan	700	21	......	......	......	......	......	......	......	5.80	+2.15	1.24	0	11	......	......	......	......	Geo. R. Travis.
Marlinton	Pocahontas	2,131	25	65.9	......	86	5†	42	19	30	5.85	+1.22	2.28	0	9	10	18	3	sw.	S. L. Brown.
Organ Cave	Greenbrier	......	2	......	......	......	......	......	......	......	6.21	......	1.42	0	9	......	......	......	......	D. C. Humphreys.
Point Pleasant	Mason	553	31	......	......	......	......	......	......	......	3.52	+0.40	1.03	0	7	20	0	11	s.	Miss Grace E. Henson.
Powellton	Fayette	933	28	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Elkhorn-Piney Coal Co.
Ravenswood (Dam 22)	Jackson	538	9	......	......	......	......	......	......	......	5.31	......	2.00	0	9	......	......	......	......	Lockmaster.
Robertsburg	Putnam	574	24	73.8	-0.6	97	6	46	15	41	4.19	+0.94	1.16	0	9	21	0	10	......	M. Frazier.
Ryan	Roane	700	21	72.4	-0.7	94	6	43	15	40	4.40	+0.54	1.06	0	11	17	11	3	......	Wm. E. Ryan.
Sharples	Logan	......	4	......	......	......	......	......	......	......	8.15	......	1.74	0	10	......	......	......	......	F. H. Locke.
Spencer††	Roane	784	20	71.0	-1.7	91	6†	45	14	37	5.13	+1.57	2.50	0	7	12	16	3	......	A. M. McKown.
Summersville	Nicholas	1,894	0	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Cecil Groves.
Sutton	Braxton	839	18	72.5	-3.3	96	30†	47	19	40	4.00	+0.26	1.02	0	6	25	0	6	......	C. B. Eakle.
Union^{c}	Monroe	2,250	20	71.6	+1.0	93	6	46	15†	40	6.53	+2.68	2.29	0	11	7	15	4	......	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	14	71.6^{a}	+0.7	92^{a}	4†	44	18	36^{a}	7.37	+3.71	1.87	0	12	17	7	7	......	E. J. Comar.
Williamson	Mingo	660	24	73.8	-1.1	90	6	55	15	29	3.95	+0.41	0.95	0	13	19	12	0	w.	J. F. Keyser.
Averages and	extremes	......	....	71.9	-0.5	97	6	42	19	41	5.21	+1.21	4.00	0	9	17	7	7	s.	
State averages and	extremes	......	....	71.7	+0.1	104	6	34	15	50	4.63	+0.27	4.00	0	9	18	8	5	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for August, 1924

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard	Potomac	.12						.11			.38		.44					1.06	.11		.24	.27		.22		.11	.53						3.59
Brandywine	do	T.											1.35	T.				.35			1.10					.45							3.25
Burlington	do										T.		1.50					.40		.30					.90	.60	T.						3.70
Harpers Ferry ‖	do	.12		.04			T.				.48		.60					.01	.06		.07					.10	.36						1.84
Inwood	do				.45		.65						.68		.02						.08					.10							1.98
Martinsburg	do	T.			.04								.49					.05			T.					.11							0.69
Moorefield	do												.68				.25	.08			.28					.47							1.76
Piedmont	do												.72					.29			.07			.33	.06	.75	.09						2.31
Romney	do																																
Stony River Dam ‖	do	.15											.52					.09	.10		.21	.47		.10	.04	.26	1.40						3.34
Upper Tract	do												1.10				.40									.10							1.60
Wardensville ‖	do	.01											1.70	T.				.21			.10	.06	T.	T.	2.71	.06	.20						5.05
Northern Division																																	
Aberdeen	Monongahela	1.38						.47			.11		.43					.85			1.83			.68		1.79							7.54
Bens Run	Ohio							.08		.77			.30	.18			.08	.02			1.95			.25		.80							4.43
Benson	Monongahela	.17					.03	.52		.08			.58					.46			1.86			.36		.55							4.61
Brownsville	do	.33						.33					.37				T.	.43			2.25	T.		1.07		1.51							6.29
Bruceton Mills ‖	do	.04				.26		.19		.92	.02							.20			.44			.17		.19							2.43
Buckhannon	do	.73						.58		.18			.53				.36	.54			2.13			.90		.80							6.75
Cairo	Little Kanawha	.02						.63		.02			.42	.06			.10				.23			.19		.82							2.49
Cheat Bridge ‖	Monongahela	.30	T.					T.						T.					.21	.29	.77	1.36				.76	.22						3.91
Clarksburg	do	2.51						.43		.41			.53					.28			.78			.63		.60							6.17
Cortland ‖	do					1.10	.10			.65		.31					.50				.45		.40			.60							4.11
Crawford	do							.30			.04		1.24				.03	.90			1.40			.22		.60							4.73
Creston ‖	Little Kanawha	T.						.45	.20				.70					.21			.60	.48		1.25		.53	T.						4.42
Dam 10, Mon. R. ‖	Monongahela					.14			.25		.53		1.12					.09	.01		.34	.34		1.58	.18	.13	.44						5.15
Dam 12, O. R. ‖	Ohio	.50					.15		.69				.07		1.10			.09			.09	2.50		1.08		.07	.22		.33				6.89
Dam 13, O. R. ‖	do	1.05				.06	.20		.15				.60		.14			.12			.19	1.00		1.00		.12	.12						4.75
Dam 15, Mon. R. ‖	Monongahela	2.15					.24		.16		.78		.96					.20			.22	.68		.91		.38	.22						6.90
Davis ‖	do	.50					.02		.06		.41		.47					.20	.19		.86			.28		.69							3.68
Elizabeth ‖	Little Kanawha								.78				.50		.44			.17			.50	.18			.66	.61							3.84
Elkins ***	Monongahela	T.					T.	.18		.57		.19	.27				.18	.17			1.77			.03		.45							3.81
Fairmont ‖	do	2.02			T.		.60	T.	.17		.67		1.02		T.			.18	T.		.31	.57		.55	.03	.63	.09						6.84
Glenville ‖	Little Kanawha								.75		.03		.12		T.			.42			.40	.64		.70	.18	1.70	.04						4.98
Horner	do	.48						.65			.31		.51					.79			2.75			1.72		2.13							9.34
Janelew (near)	do						.50			.18		.50					.90				2.30		.60		2.50								7.48
Lost Creek	do	1.29						.26		.25			.20				.37	.14			1.68			1.29		.79							6.27
Mannington	do	.81				.04		.88		.82			1.09		.01		.03	.27			1.24		.03	1.09		.67							6.98
Morgantown	do									.47			1.00					.11			.45			1.10		.73							3.86
Moundsville ‖	Ohio					.18		.31				.10		.27			.08				.31		.61				.26						2.12
New Cumberland ‖	do	.14				.05	.19		.15				.04					.61			.14	.45		.28	.02	.17	.06		.66			.02	2.98
New Martinsville	do							.40					.10					.15			1.10		.50	1.00		.50							3.75
Parkersburg ***	do							.21		.27		.15	.01	T.			.10	T.			T.		.22	.19		.29			T.				1.44
Parsons	Monongahela							*	1.01												*		*			1.14							2.15
Philippi	do	.90						.42		.54			.28					.50			.94			.36		.60							4.54
Pickens	do						.10	.34					.56				.58	.09			.97					.57							3.21
Roanoke	do	.42						.28			.32		.24				.67				1.57		1.00			1.19							5.69
Rowlesburg ‖	do	.88					.09				.28		.43					.43			.18	.33		.33			.14						3.09
Saint Marys ‖	Ohio	.59							.12				.25		.05		T.	.12			1.22	.28		.16		1.13	.03						3.95
Smithfield ‖	Fishing Creek	.59							1.12		.02		.55					.32			.54	.51		.90		.44	.38						5.37
Terra Alta	Monongahela	.04				T.		.28		.08			.41					.46			.59	T.		.37		.34	T.						2.57
Valley Chapel	do							.69		.42			.10					.60			2.30					1.75							5.86
Vandalia	do	1.20						.30		.16			.80					.62			1.34		.33			.67							5.42
Wellsburg	Ohio					.03		.83		.02			.10				.10				1.11			.45		.06			.08				2.78
Weston	Monongahela	.24						.51		.02			.32					.47			2.30	.40				1.82							6.08
Wheeling ‖	Ohio	.30				.12	.12		.67				.06		.45			.16			.22	1.93		1.30		.20	.12		.01				5.66
Southern Division																																	
Bancroft ‖	Great Kanawha	.03				.01		.01	.21		.08		.32		.03			.46	.03		.99	.06		.85	.03	1.75							4.86
Beckley	do			.37				.26		.10			2.30								1.86												4.89
Bluefield	do	.05		1.20				.01				.08	.66					.52			.44	.04		.02	.23	.20					.02		3.47
Camden-on-Gauley ‖	do						1.20														1.10												2.30
Charleston ‖	do	.18							.11		.16		.79					.42			.96	.75		1.00		1.33							5.70
Clay ‖	do	.58				.30			.22		.16		.75					1.39				4.00		.65		.55							8.60
Dam 19 O. R. ‖	Ohio	.13						T	.28		.41		.28					.11			.03	T.		.32	.01	.34	.04						1.95
Dam 20 O. R. ‖	do	.02							.48				.19					.14			.60	.04		.80		.45	.05						2.77
Dam 26 O. R. ‖	do												.40					.15			.40	.10		1.65		2.00							4.70
Gary ‖	Big Sandy	.08		1.45				.06	.25			.35	.75	.12				*	.93		.28	.49				.54							5.30
Hinton ‖	do			.52	T.			.62	.10				1.24		.20			.36			.42	.84			T.	.08							4.38
Huntington ‖	Ohio	.04							.14				.22		.02			.10			.94	.02		.24		3.32							5.04
Kanawha Falls ‖	Great Kanawha	.38				.32		.30	1.50		.06		.48					.15			1.89	.30		1.20		1.75							8.33
Kayford ‖	do	.15		.11			.25	T.	.28		.14		1.34					.57			1.36	.66	T.	.65		1.46	.03						7.00
Lewisburg	do			1.10				.19				T.	1.35				.08	.40			2.01			.28	.02	.60							6.03
Logan	Guyandotte	T.						.13	1.06		.45		.58					.48			.75	.13		.08	.90	1.22	.02						5.80
Marlinton	Great Kanawha			.68			.04	T.				.86	1.42	.12			.12				1.25		T.		.12	1.24							5.85
Organ Cave	do			.75			.03	.15				1.42		.05			1.18				1.35			.16		1.12							6.21
Point Pleasant ‖	Ohio	.10							.10				.50					.58			.59			1.03		.62							3.52
Ravenswood (Dam 22	Ohio	.05				.20			.85		.17		.16					.43			.85			2.00		.60							5.31
Robertsburg ‖	Great Kanawha	.10				.05			.11				.89					.18			.50	.09		1.11		1.16							4.19
Ryan	do					.02	.01	.42				.17	.14				.29	.16			.84		.83	.46		1.06							4.40
Sharples ‖	Coal River		.11	T.			.20	.43			1.74		1.39					.41		.96	.81		.64			1.46							8.15
Spencer ‖	Little Kanawha	.38						T.	.38				.15					.18	T.		.77	T.	2.50		.77		T.						5.13
Summersville	Gauley																																
Sutton	Great Kanawha							.58					1.02					.32			.88			.46		.74							4.00
Union	do				.91		.40	.59	.06				.94	.02					.33		.85	.14				2.29							6.53
White Sulpr. Spgs. ‖	do		1.00	.06	.01			.15				1.87					.70			1.60	.50	.04	.04		1.28	.12							7.37
Williamson ‖	Big Sandy	.09		.02		.18		.08	.05		.04		.65	.12			T.	.53			.95	.35		.02		.87							3.95

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

††† Probably incomplete.

Daily Temperatures for August, 1924

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	75	77	78	86	91	90	86	84	88	81	82	76	77	76	79	80	71	69	84	82	83	86	80	86	82	75	83	81	85	91	92	81.8
	Minimum	58	45	51	54	56	63	65	56	54	54	53	59	47	48	36	42	59	39	37	52	67	57	63	55	58	62	49	59	44	42	54	52.8
Brandywine	Maximum	86	85	85	84	87	90	93	93	89	91	89	85	82	80	75	80	78	79	80	70	85	84	85	86	82	85	87	87	86	88	91	84.7
	Minimum	59	60	54	53	56	60	64	62	57	59	53	53	52	48	41	45	44	42	40	55	58	62	55	60	58	52	49	50	51	49	60	53.6
Burlington	Maximum	85	84	82	92	100	101	98	96	102	93	93	89	86	84	88	89	89	90	88	88	89	90	90	95	91	86	95	94	93	98	100	91.5
	Minimum	65	57	61	61	61	65	66	70	71	64	58	66	54	52	45	49	50	51	48	49	44	50	55	65	67	67	56	66	53	52	67	58.2
Inwood	Maximum	81	80	84	87	94	98	96	91	94	93	96	81	80	76	80	76	74	83	80	84	87	82	81	84	86	84	92	90	88	91	95	86.1
	Minimum	65	64	68	56	61	68	70	64	61	58	60	64	58	58	48	49	48	49	44	57	64	62	64	65	66	66	55	65	52	53	64	59.5
Martinsburg§	Maximum	85	80	80	90	101	104	98	99	101	95	90	85	84	82	85	85	88	78	83	88	92	82	86	92	77	89	95	95	93	95	....	89.2
	Minimum	65	59	59	65	64	70	74	65	67	65	64	64	59	58	49	52	66	52	47	56	53	53	55	58	58	66	55	60	56	55	63	59.7
Moorfield	Maximum	85	86	82	94	101	104	99	97	102	94	95	92	86	80	88	88	88	78	85	81	94	90	96	93	86	86	95	94	90	98	103	91.3
	Minimum	62	53	57	61	59	64	66	58	56	59	54	60	56	48	42	48	62	45	42	59	57	62	63	64	62	63	50	61	50	48	58	56.4
Piedmont	Maximum	76	74	74	86	91	92	81	90	90	86	83	81	80	78	80	80	78	70	71	78	84	83	78	80	75	77	86	82	85	88	92	81.6
	Minimum	64	52	59	62	62	66	68	62	62	62	60	63	57	53	45	51	60	49	45	58	62	62	67	65	68	64	65	53	53	53	61	59.1
Romney	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Upper Tract	Maximum	81	80	....	81	....	92	95	90	92	....	90	80	79	79	....	74	74	78	78	....	....	80	80	79	78	76	79	80	82	85	84	81.8
	Minimum	50	50	....	50	....	58	59	59	56	....	52	60	51	50	....	43	44	48	47	....	....	60	60	63	62	64	66	50	51	50	60	54.5
Wardensville§	Maximum	84	83	85	88	97	92	90	86	84	85	87	88	85	82	81	83	80	76	80	79	88	86	79	83	85	88	90	86	95	96	....	85.7
	Minimum	61	54	50	54	58	61	59	60	54	50	52	51	52	48	46	44	46	45	41	54	47	52	58	63	66	61	60	58	52	61	62	54.2
Northern Division																																	
Bens Run	Maximum	81	80	91	90	95	96	85	91	91	84	81	80	83	79	85	82	80	76	88	82	92	91	86	89	78	84	89	86	87	93	95	86.1
	Minimum	52	54	60	63	69	70	72	66	68	64	60	61	60	55	51	62	67	51	54	67	57	69	70	67	65	61	61	65	59	62	67	62.2
Buckhannon	Maximum	75	77	82	84	86	89	83	83	85	81	80	73	77	72	72	75	74	66	80	74	83	84	80	82	73	76	81	80	80	85	85	79.3
	Minimum	64	55	62	60	64	68	68	67	62	63	60	62	55	56	46	56	64	54	50	64	66	64	68	62	63	65	55	66	56	56	63	60.8
Cairo	Maximum	81	81	90	90	96	97	87	91	90	87	85	81	85	79	85	82	81	75	86	84	91	92	89	90	84	84	89	86	86	92	95	86.8
	Minimum	61	50	56	59	64	65	66	63	62	64	57	61	55	51	44	57	67	47	48	64	63	65	68	65	65	57	54	62	53	55	61	59.0
Clarksburg	Maximum	83	80	90	90	94	96	96	90	91	85	84	80	83	81	86	84	78	77	87	86	90	93	92	93	90	80	88	86	86	94	93	87.3
	Minimum	64	52	60	60	65	70	70	67	63	64	59	61	57	56	49	56	65	49	49	63	67	64	68	66	66	64	55	64	55	57	63	60.9
Creston	Maximum	82	83	89	91	95	96	82	90	91	89	86	82	84	80	87	81	83	79	89	85	92	92	90	91	80	85	89	86	80	93	95	87.0
	Minimum	64	53	69	60	66	66	70	73	63	65	60	61	56	52	46	58	64	49	50	65	65	67	68	68	65	61	56	63	55	57	63	61.2
Elkins	Maximum	74	78	80	83	87	90	81	84	86	79	82	73	76	69	81	77	74	66	83	73	83	87	79	86	74	76	84	80	84	89	88	80.2
	Minimum	60	55	58	61	61	66	65	63	58	61	57	59	55	50	46	52	55	48	46	66	65	61	64	62	62	58	59	59	56	53	62	58.0
Fairmont§	Maximum	79	84	89	89	93	94	79	91	88	83	83	79	83	79	84	79	79	78	85	80	89	89	84	90	76	83	87	89	90	92	96	85.3
	Minimum	62	52	60	61	67	71	70	68	67	63	58	60	59	56	51	53	61	50	51	58	65	65	67	65	67	65	59	64	55	57	62	60.9
Glenville	Maximum	85	82	87	92	96	97	98	90	89	89	88	89	86	89	90	90	82	85	91	95	92	93	97	91	91	89	89	92	88	95	97	90.5
	Minimum	65	53	60	59	65	68	69	65	64	66	68	62	57	55	48	55	65	51	50	66	64	68	67	68	64	63	56	63	56	59	66	61.5
Lost Creek	Maximum	76	77	83	85	89	91	81	85	86	82	80	77	79	74	81	77	75	73	82	75	86	86	81	86	72	80	83	82	80	87	89	81.3
	Minimum	62	50	56	57	64	68	63	66	61	60	55	59	52	52	42	51	63	45	45	62	63	61	66	62	64	60	53	61	50	52	60	57.6
Mannington	Maximum	77	77	85	85	90	94	87	86	85	81	78	77	79	72	78	80	75	71	80	75	85	87	81	84	77	78	84	81	81	87	88	81.4
	Minimum	62	50	55	58	64	65	65	66	63	65	56	60	59	51	43	54	65	47	49	62	61	62	66	64	67	63	54	63	53	54	61	58.9
Morgantown	Maximum	78	77	81	86	92	94	86	89	88	84	78	77	81	72	81	81	75	71	83	78	88	90	84	90	80	80	84	83	85	90	92	83.2
	Minimum	....	50	63	65	69	74	70	68	69	62	56	59	56	55	48	61	65	49	51	54	68	68	67	64	66	64	61	68	53	62	69	61.7
New Cumberland§	Maximum	76	79	87	87	95	94	82	90	88	79	67	81	78	76	82	80	74	73	82	89	86	92	94	91	79	84	89	80	88	95	96	83.9
	Minimum	56	49	54	61	71	69	73	62	67	62	54	55	55	50	49	50	63	48	47	51	65	62	68	62	64	59	60	59	54	55	59	58.5
New Martinsville	Maximum	90	89	93	92	99	98	94	95	94	85	82	85	86	79	89	86	80	77	91	83	94	95	90	94	82	85	91	85	91	95	98	89.3
	Minimum	58	49	54	58	64	65	67	64	63	63	55	58	55	50	45	54	63	46	47	62	62	64	65	63	64	58	55	63	55	57	63	58.4
Parkersburg	Maximum	79	77	88	90	96	98	84	91	90	85	82	82	83	75	84	82	80	74	86	85	91	90	87	88	74	84	89	84	85	92	97	85.5
	Minimum	63	56	60	65	72	76	71	66	69	66	61	61	58	56	50	66	62	55	57	70	71	73	70	69	66	62	62	68	61	63	68	64.3
Parsons	Maximum	76	84	86	86	89	90	81	88	85	84	85	77	81	70	83	80	70	69	89	73	85	89	87	87	80	78	85	83	87	90	85	82.6
	Minimum	58	56	56	53	58	65	63	60	60	61	60	60	57	55	45	48	58	48	43	51	65	60	67	61	61	58	53	60	53	61	64	57.4
Philippi	Maximum	78	78	85	85	90	91	89	87	88	83	81	77	80	73	83	83	72	67	83	75	86	88	84	89	77	77	84	84	84	89	89	82.5
	Minimum	61	61	63	62	64	65	69	66	63	62	58	59	55	54	49	61	45	62	50	66	67	67	66	61	63	62	58	66	52	64	64	60.8
Pickens	Maximum	75	81	80	84	89	89	81	82	89	82	82	73	74	71	80	73	74	69	72	70	83	88	83	87	76	76	85	81	85	86	90	80.3
	Minimum	60	49	56	60	58	63	60	54	56	57	52	53	51	49	40	52	58	42	40	58	60	56	61	59	58	55	50	58	49	53	59	54.4
Terra Alta	Maximum	68	71	72	80	84	85	80	77	80	72	76	72	77	70	71	70	66	64	73	68	78	82	77	80	75	69	78	74	77	84	84	75.3
	Minimum	57	44	55	56	57	65	65	63	61	53	51	56	46	49	34	44	59	45	38	53	64	58	63	58	59	60	50	64	42	44	63	54.1
Wellsburg	Maximum	78	79	88	88	95	96	87	89	85	81	72	82	79	77	85	79	77	75	82	81	88	92	87	89	78	83	89	82	87	92	95	84.4
	Minimum	56	46	50	60	68	68	68	61	65	62	53	56	52	46	43	52	64	45	44	61	62	60	67	65	65	56	55	59	51	52	58	57.1
Weston	Maximum	84	86	88	91	94	94	95	89	94	89	....	76	85	81	86	87	76	80	90	82	86	85	91	85	82	76	90	91	89	87	92	86.7
	Minimum	64	54	61	60	67	70	71	68	65	63	....	59	56	55	46	57	65	51	50	67	67	64	69	65	64	65	57	65	55	56	64	61.3
Wheeling§	Maximum	83	81	93	92	100	101	83	94	91	85	80	85	84	81	87	82	82	80	88	78	94	95	92	92	75	89	84	89	93	100	102	88.2
	Minimum	67	49	52	61	70	70	71	62	67	63	56	57	55	50	48	48	60	45	49	60	63	64	67	65	55	55	59	62	57	57	66	59.0
Southern Division																																	
Bluefield	Maximum	89	90	88	86	85	90	81	86	88	87	86	88	83	81	70	72	79	79	83	83	85	84	84	82	84	80	83	84	84	85	....	83.
	Minimum	66	56	58	64	61	74	67	66	60	59	57	64	68	52	48	51	60	55	51	65	64	65	65	61	61	62	54	63	54	65	....	60.
Gary §	Maximum	85	88	85	88	96	94	84	91	....	96	95	81	80	78	84	....	84	82	90	88	89	94	....	91	82	81	91	89	90	....	93	87.
	Minimum	68	61	65	62	62	65	68	68	61	....	63	65	60	56	50	53	....	60	51	62	65	69	67	....	64	62	57	59	59	60	....	61.
Hinton §	Maximum	83	84	73	83	90	91	83	86	89	86	87	75	78	75	81	78	81	74	81	83	86	86	86	85	81	81	89	88	88	90	91	83.
	Minimum	68	60	60	66	63	64	68	67	65	65	63	64	62	57	54	53	58	58	51	51	66	65	67	66	67	66	58	59	58	58	62	61.
Huntington §	Maximum	80	80	85	89	93	93	82	90	89	85	82	79	80	75	81	80	80	74	83	80	88	90	86	87	75	80	85	83	82	88	90	83.
	Minimum	67	61	65	66	70	72	74	68	67	68	65	62	60	59	53	55	67	56	52	58	70	72	71	69	65	63	60	64	62	63	65	61.
Lewisburg	Maximum	79	80	73	81	88	91	82	85	87	84	86	76	78	74	78	79	78	70	78	79	83	85	85	84	77	76	84	83	82	86	87	81.
	Minimum	64	54	63	60	59	65	64	59	58	60	55	65	58	50	46	51	63	50	45	58	58	61	62	63	61	59	53	58	50	56	63	57.
Marlinton	Maximum	74	76	68	76	86	84	80	82	86	82	80	78	70	70	72	70	74	70	72	68	82	80	80	82	78	72	78	80	78	82	84	77.
	Minimum	58	50	60	58	56	54	62	56	56	58	56	62	50	48	44	46	48	50	42	56	58	60	62	60	58	56	50	54	52	51	60	54.
Point Pleasant	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ravenswood	Maximum	83	92	88	90	94	95	92	91	91	86	84	81	83	77	80	84	80	76	85	84	92	91	89	90	84	84	88	88	85	91	94	86.
	Minimum	62	54	59	63	70	68	68	69	65	65	60	60	57	53	45	55	62	50	50	68	66	70	68	67	65	59	59	63	55	57	66	61.
Robertsburg§	Maximum	81	85	90	95	95	97	84	93	90	88	83	85	80	79	87	80	80	80	79	85	92	94	90	90	79	84	91	85	88	95	95	87.
	Minimum	63	57	60	60	67	67	70	63	65	63	60	60	58	55	46	52	65	49	49	60	68	68	68	68	62	58	58	62	56	57	66	60.
Ryan	Maximum	80	83	87	89	93	94	83	89	90	90	87	80	83	76	83	76	80	75	85	80	90	88	85	88	78	81	88	85	86	91	92	85.
	Minimum	64	54	62	60	62	67	68	61	61	63	62	62	55	51	43	62	61	48	46	65	65	66	69	66	65	61	54	62	53	56	63	59.
Spencer §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Summersville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sutton	Maximum	82	80	84	89	94	94	92	93	93	89	89	82	82	83	86	86	82	82	87	87	89	90	90	91	91	86	89	89	88	96	96	88.
	Minimum	55	54	57	58	61	65	54	60	60	61	59	55	54	55	48	54	57	50	47	53	58	63	57	62	58	59	54	57	58	58	64	56.
Union	Maximum	85	83	....	83	90	93	83	89	91	....	91	88	84	81	84	85	....	82	83	83	87	88	91	....	88	83	89	90	90	91	....	86.
	Minimum	65	54	....	60	56	62	61	61	56	....	55	64	58	50	46	52	....	52	46	57	58	60	60	....	61	61	50	57	50	57	....	56.
White Sulphur Spgs§	Maximum	81	71	80	92	92	86	84	88	91	87	81	80	78	80	79	82	78	80	82	86	86	83	82	81	82	86	84	85	90	92	....	83.
	Minimum	64	63	65	60	65	65	65	59	59	56	66	60	53	47	48	64	63	44	55	65	66	66	57	59	52	59	56	55	55	65	74	59.
Williamson§	Maximum	80	82	84	86	89	90	80	87	87	85	88	75	78	73	80	81	79	75	84	85	88	89	86	85	78	79	85	84	84	89	87	83.
	Minimum	68	64	64	65	66	65	70	70	66	67	66	65	62	60	55	58	64	59	55	56	70	72	73	68	65	64	63	64	62	62	63	64.

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

NOV 18

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXII   Parkersburg, W. Va., September, 1924   No. 9

GENERAL SUMMARY

The past month was much the wettest September of State record, the average rainfall, 5.96 inches, exceeding that of the previous wettest September by 1.20 inches. It was also the coolest September, except in 1918, when the State average was 60.5°. Practically half of the month's rainfall was received on the last three days, when floods occurred in the smaller streams and high stages in the rivers for the season, causing the loss of much corn on bottom lands. The temperature was near the freezing point or slightly below in the mountain sections on the morning of the 6th, being exceptionally low for the season and causing heavy to killing frosts and much damage to corn. Light frosts occurred in many other portions of the State on that date, but only slight damage resulted. Owing to cool weather and heavy rains, the month was decidedly unfavorable for the ripening of corn. Fall plowing and seeding was also retarded by unfavorable weather conditions. At the close of the month early corn was being cut, with only a fair yield; but late corn was green and small, with poor prospect for maturing. In some sections fruit was plentiful, but as a rule the fruit crop was fair to poor.

TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 60.7°. The departure from the normal for 41 stations having ten or more years of record was —4.8°. With the exception of the 1st-2d, 12th, 19th-21st, and 27-28th, the month was cool, with the highest temperatures occurring on the 1st and the lowest on the 6th, 11th, and 25th.

PRECIPITATION

The average precipitation for the State, determined from 81 stations, was 5.96 inches. The departure from the normal for 50 stations having ten or more years of record was + 3.14 inches. The rainfall was well distributed, although somewhat the heaviest over the central and northern counties and lightest over the eastern counties. Snow flurries were noted at Bruceton Mills, Davis, and Cheat Bridge on the 10th. Most of the rainfall occurred on the 1st-2d, 5th, 8-9th, 13th, 18th-22d, and 27-30th, the greatest amounts being recorded on the 2d, 9th, 21st-22d, and 29-30th.

HAIL

Light hail fell in sections of Braxton, Grant, Marion, Preston, and Randolph Counties on the 9th; Braxton and Mingo Counties on the 17th; Webster County on the 22d.

MISCELLANEOUS PHENOMENA

Frosts, killing, or first freezing temperature, stations and date: Brandywine, Cheat Bridge, Moorefield, Pickens, and Ryan, 6th; Bayard, 7th; Wellsburg, 11th; Wardensville, 25th.

Halos, lunar: Elkins, 6th; Wheeling, 4th.

Halo, solar: Bayard, 16th.

Haze, light: Bayard, 15th and 17th; Bens Run, 18th; Burlington, 27th.

Snow: Cheat Bridge, Davis, and Bruceton Mills, 10th.

Thunderstorms (dates and number of stations reporting): 1st, 5; 2d, 4; 3d, 1; 8th, 3; 9th, 6; 12th, 1; 17th, 5; 20th, 1; 21st, 4; 22d, 8.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.07	82	56	64	198.7	53	4,812	6.7	22	s.	20
Columbus, Ohio	30.08	81	62	69	195.3	52	7,928	11.0	36	w.	22
Elkins	30.10	88	65	84	157.7	42	3,305	4.6	25	nw.	9
Lexington, Ky	30.07	87	66	....	166.4	45	9,081	12.6	48	w.	21
Parkersburg	30.09	82	58	72	168.8	45	3,424	4.8	24	nw.	9
Pittsburgh, Pa	30.09	82	63	67	199.3	53	7,537	10.5	50	nw.	5
Wytheville, Va	30.08	87	68	80	156.0	42	3,368	4.7	24	w.	8

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	66.8	.....	.....	1.66	.....	.....	.....	.....	.....	.....
1892	64.4	92	32	2.57	.....	.....	.....	.....	.....	.....
1893	65.0	91	29	2.28	4.50	1.05	.....	.....	.....	.....
1894	67.8	98	31	2.50	4.75	1.25	.....	.....	.....	.....
1895	70.3	107	29	1.70	4.25	0.42	.....	12	11	7
1896	65.2	95	22	4.59	9.04	1.58	.....	17	8	5
1897	66.4	103	27	1.14	4.00	0.02	.....	14	9	7
1898	67.6	97	33	2.42	4.75	0.80	.....	22	6	2
1899	64.0	100	26	3.65	6.35	1.65	.....	16	10	4
1900	71.1	100	35	1.92	5.50	0.34	.....	14	9	7
1901	64.8	95	27	3.35	7.64	1.46	.....	14	10	6
1902	64.8	98	25	2.98	4.81	1.23	.....	13	8	9
1903	64.7	97	25	1.30	2.78	0.10	.....	12	9	9
1904	67.0	95	25	1.76	4.55	0.53	.....	21	6	3
1905	65.6	97	29	2.21	4.21	0.54	.....	16	10	4
1906	69.9	97	38	3.25	5.44	0.57	.....	18	8	4
1907	66.3	93	30	4.41	7.10	2.00	.....	12	10	8
1908	65.9	99	24	0.95	2.54	0.26	.....	12	10	8
1909	63.7	95	28	2.74	8.75	0.63	.....	21	6	3
1910	68.4	97	32	3.50	6.04	0.50	.....	15	9	6
1911	68.8	100	32	4.67	8.30	1.80	.....	12	11	7
1912	68.6	98	30	3.85	9.18	1.13	.....	12	11	7
1913	64.2	100	25	2.88	6.38	0.86	.....	17	7	6
1914	63.2	97	24	1.58	5.65	0.17	.....	14	7	9
1915	67.6	100	31	3.84	7.18	2.00	.....	18	6	6
1916	63.0	99	27	3.71	7.88	1.01	.....	16	8	6
1917	62.4	98	23	2.79	6.62	1.16	.....	18	6	6
1918	60.5	93	24	2.92	4.73	1.37	T.	17	7	6
1919	66.0	98	31	2.11	4.37	0.12	T.	15	7	8
1920	66.7	96	34	3.14	5.38	1.34	.....	18	7	5
1921	70.9	97	39	4.76	9.07	1.65	.....	16	7	7
1922	67.2	100	25	2.14	5.64	0.10	.....	12	10	8
1923	66.5	96	29	3.31	5.36	1.00	.....	21	5	4
1924	60.7	100	26	5.96	8.97	2.80	T.	16	8	6
Means and extremes	66.1	107	22	2.90	9.18	0.02	T.	11	7	12

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., September, 1924

See temperature and precipitation data in Climatological Tables, Pages 34, 35, and 36

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
larksburg	Evaporation	.180	.180	.140	.110	.179	.179	.102	.123	.148	.149	.015	.251	.087	.043	.234	.025	.115	.080	.100	.070	.060	.140	.110	.129	.097	.092	.122	.091	....	.028	....	3.379
	Wind movement	26	31	71	76	3	60	20	23	78	87	30	24	18	16	39	29	35	22	22	17	17	33	32	41	10	22	49	18	29	66	....	1044

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for September, 1924

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,700	23	56.6	− 3.4	90	1	29	11	44	6.00	+2.58	1.89	0	13	10	3	17	w.	U. G. Clark.
Brandywine	Pendleton	....	8	58.2	....	85	2	32	6†	38	4.30	....	....	0	9	17	0	13	sw.	Elmer Keister.
Burlington	Mineral	875	30	64.2[e]	0	99[e]	2	35[e]	11†	46[e]	2.80	−0.19	1.10	0	7	12	7	11	ne	Mrs. Louie Bumphrey.
Harpers Ferry	Jefferson	244	35	....	....	....	....	....	....	....	5.09	+2.28	2.60	0	10	....	....	....	....	J. C. Newcomer.
Inwood	Berkeley	569	2	62.3	....	100	1	37	24	39	4.40	....	1.49	0	12	12	10	8	se.	H. W. Prettyman.
Martinsburg	Berkeley	435	32	63.9[a]	− 2.0	100[a]	1	35	11	50[a]	4.68	+1.87	2.06	0	10	13	11	6	ne.	Dr. H. S. Gardner.
Moorefield	Hardy	900	28	62.6	− 4.1	98	1	32	6†	49	4.13	+1.57	1.17	0	11	22	1	7	....	M. S. Henkel.
Piedmont	Mineral	919	11	59.8	....	94	1	34	11	37	4.39	....	1.45	0	11	11	6	13	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	26	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Richard A. Bergdoll.
Stony River Dam	Grant	....	4	....	....	....	....	....	....	....	5.35	....	1.37	0	13	6	4	20	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	25	57.4[g]	− 8.1	80[g]	1	33[g]	25	41[g]	3.95	+1.63	2.00	0	5	14	0	16	n.	J. M. Mallow.
Wardensville	Hardy	1,200	6	58.4[a]	....	90[a]	1	32	25	46[a]	5.83	....	1.85	0	13	9	11	10	e.	Luther F. Sutton.
Averages and	extremes	....	....	60.4	− 3.5	100	1	29	11	49	4.63	+1.62	2.60	0	10	13	5	12	w.	
Northern Division																				
Aberdeen	Upshur	1,060	0	....	....	....	....	....	....	....	5.10	....	1.28	0	13	8	8	14	w.	L. Else Bond
Bens Run	Pleasants	622	22	63.4	− 4.3	91	1	41	11	33	6.25	+3.90	2.55	0	13	17	5	8	....	J. D. Riggs.
Benson	Harrison	1,080	1	61.5	....	92	1	33	6	38	7.12	....	1.50	0	15	4	20	6	....	R. D. Marts.
Brownsville	Lewis	1,032	1	62.6	....	94	1	35	6†	40	5.22	....	1.21	0	14	13	8	9	....	S. L. Montgomery.
Bruceton Mills	Preston	1,549	4	....	....	....	....	....	....	....	6.08	+2.56	1.21	T.	12	1	16	13	sw.	W. M. Wolf.
Buckhannon	Upshur	1,411	27	60.1	− 3.9	86	1	38	6†	30	6.03	+2.90	1.30	0	12	14	8	8	....	H. A. Darnall.
Cairo	Ritchie	680	25	61.1	− 6.8	91	1	36	6	36	7.89	+5.28	1.85	0	12	7	10	13	....	O. C. Hess
Cheat Bridge	Randolph	3,558	6	51.4[a]	....	86[a]	1	26	7	46[a]	7.52	....	1.70	T.	15	13	11	6	....	H. F. Cromer.
Clarksburg	Harrison	1,015	2	63.4	....	92	1	38	11	37	6.53	....	1.51	0	15	9	10	11	nw.	Clarksburg Water Board.
Cortland	Tucker	3,300	13	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	G. W. Harmon.
Crawford	Lewis	1,087	1	....	....	....	....	....	....	....	7.33	....	1.50	0	14	15	10	5	....	J. Cecil Owens.
Creston	Wirt	701	22	62.4	− 4.8	92	1	39	6	38	6.52	+3.94	1.89	0	13	7	3	20	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	3	....	....	....	....	....	....	....	5.91	....	1.41	0	13	....	....	....	....	Lockmaster.
Dam 12 O. R.	Ohio	614	8	....	....	....	....	....	....	....	5.50	....	2.20	0	14	....	....	....	....	Lockmaster.
Dam 13 O. R.	Ohio	605	8	....	....	....	....	....	....	....	5.97	....	2.30	0	16	....	....	....	....	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	3	....	....	....	....	....	....	....	5.70	....	1.42	0	15	....	....	....	....	Lockmaster.
Davis	Tucker	3,093	15	....	....	....	....	....	....	....	5.67	+1.90	1.61	T.	16	....	....	....	....	Ross C. Male.
Elizabeth	Wirt	646	12	....	....	....	....	....	....	....	6.19	+3.50	2.33	0	9	....	....	....	....	E. D. Ball.
Elkins	Randolph	1,947	23	58.7	− 4.3	88	1	36	6	36	5.39	+2.52	1.98	0	16	5	6	19	w.	U. S. Weather Bureau.
Fairmont	Marion	883	18	62.2	− 4.4	93	1	38	11	40	5.48	+2.88	1.20	0	11	19	4	7	w.	Creed E. Bolyard.
Glenville	Gilmer	738	30	64.4	− 3.3	94	2	40	6†	40	6.50	+3.23	1.57	0	15	11	9	10	w.	Howard R. Brannon.
Horner	Lewis	1,044	1	....	....	....	....	....	....	....	5.54	....	1.32	0	15	12	12	6	....	Thomas E. Miles.
Janelew(near)	Lewis	1,020	1	62.6	....	88	11	34	5	40	5.31	....	1.23	0	11	15	7	8	sw.	Dan Burkholder.
Lost Creek	Harrison	1,026	26	60.0	− 4.9	87	1	34	6	35	6.02	+3.24	1.74	0	13	9	11	10	w.	Allen Smith.
Mannington	Marion	974	21	60.1	− 4.5	86	1	35	11	33	6.16	+2.99	1.75	0	12	9	6	15	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	31	62.6[b]	− 4.7	90[a]	1	36[b]	11	32[b]	5.29	+2.23	1.10	0	10	3[a]	12[a]	14[a]	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	21	61.0[a]	− 5.9	90[a]	1	36	11	40[a]	5.62	+3.11	2.00	0	9	11	9	10	se.	Fred N. Wilson.
New Cumberland	Hancock	987	26	60.8	− 4.1	89	1	37	11	39	7.19	+4.66	2.15	0	14	8	9	13	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	30	63.0	− 3.4	93	1	33	11	43	6.50	+3.85	2.40	0	10	13	8	9	n.	Wm. Ankrom.
Parkersburg	Wood	638	37	55.8	− 4.5	91	1	42	6	28	5.28	+2.56	2.17	0	13	7	9	14	n.	U. S. Weather Bureau.
Parsons	Tucker	1,656	24	58.0	− 4.8	89	1	34	6†	41	4.15	+1.03	....	0	....	12	7	11	....	J. W. Swisher.
Philippi	Barbour	1,149	27	61.8	− 3.5	89	1	37	11	35	5.74	+2.60	1.20	0	14	7	7	16	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	21	56.9	− 4.7	90	1	30	11	40	8.68	+4.75	1.50	0	12	18	3	9	w.	Dr. J. L. Cunningham.
Roanoke	Lewis	1,050	1	....	....	....	....	....	....	....	5.67	....	1.22	0	12	10	13	7	....	Miss Mary A. Conrad.
Rowlesburg	Preston	1,375	37	....	....	....	....	....	....	....	5.55	+2.48	1.55	0	13	....	....	....	....	J. F. Pierce.
Saint Marys	Pleasants	577	15	....	....	....	....	....	....	....	6.77	+4.27	2.95	0	16	....	....	....	....	Wm. Hughes.
Smithfield	Wetzel	835	18	61.6	− 2.9	89	1	37	11	36	6.29	+3.10	1.77	0	14	17	4	9	se.	G. M. Whisler.
Terra Alta	Preston	2,612	23	54.0	− 8.3	83	1	29	11	33	6.35	+2.73	1.11	0	15	7	8	15	w.	J. J. Shanahan.
Valley Chapel	Lewis	1,011	1	63.8	....	93	1	36	6	37	6.57	....	1.42	0	13	13	9	8	w.	J. C. Campbell.
Vandalia	Lewis	1,120	1	....	....	....	....	....	....	....	7.12	....	1.80	0	11	....	....	....	....	W. S. Linger.
Wellsburg	Brooke	1,225	23	60.5	− 3.7	91	1	32	11	39	5.81	+3.01	2.60	0	11	9	13	8	w.	George P. Pfister.
Weston	Lewis	1,026	28	62.2	− 4.6	92	1	38	6	34	5.80	+2.91	1.32	0	17	14	8	8	....	Weston State Hospital.
Wheeling	Ohio	645	37	62.3	− 4.1	98	1	35	11	48	5.54	+3.04	2.25	0	15	12	6	12	sw.	Miss M. B. Forsyth.
Averages and	extremes	....	....	60.9	− 4.6	98	1	26	7	48	6.04	+3.15	2.95	T.	13	11	9	10	w.	
Southern Division																				
Bancroft	Putnam	574	20	61.0	− 7.3	89	1	42	6	35	8.00	+5.21	2.39	0	18	10	5	15	sw.	E. H. Morrow.
Beckley	Raleigh	2,440	24	59.8	− 3.7	83	2	36	6	36	5.88	+3.40	1.85	0	7	12	9	9	w.	K. E. Williams.
Bluefield[c]	Mercer	2,558	29	61.2	− 5.7	89	2	38	6	38	6.71	+4.05	1.60	0	12	9	9	9	....	Norfolk & Western R
Camden-on-Gauley	Webster	2,062	9	....	....	....	....	....	....	....	4.12	....	2.10	0	4	20	0	10	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	21	....	....	....	....	....	....	....	6.01	+2.94	1.84	0	10	....	....	....	....	George Huber.
Clay	Clay	706	8	....	....	....	....	....	....	....	5.27	....	1.74	0	10	....	....	....	....	Ted Thomas.
Dam 19 O. R.	Wood	557	8	....	....	....	....	....	....	....	7.31	....	1.92	0	15	....	....	....	....	Lockmaster.
Dam 20 O. R.	Wood	551	8	....	....	....	....	....	....	....	7.26	....	1.80	0	13	....	....	....	....	Lockmaster.
Dam 26 O. R.	Mason	505	8	....	....	....	....	....	....	....	5.00	....	1.60	0	7	....	....	....	....	U. S. Engineer Office.
Gary	McDowell	1,426	8	63.2	....	92	1	40	6	40	6.97	....	1.50	0	14	....	....	....	....	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	28	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	W. H. Gwinn.
Hinton	Summers	1,450	27	62.4	− 5.2	93	1	41	6	45	5.30	+2.54	1.62	0	13	7	0	23	s.	J. B. Lavender, C. E.
Huntington	Cabell	538	30	62.1	− 6.1	88	1	45	30	29	6.50	+3.95	2.44	0	12	10	2	18	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	5	....	....	....	....	....	....	....	6.18	....	1.65	0	10	....	....	....	....	J. O. Brown.
Kayford	Kanawha	1,335	8	....	....	....	....	....	....	....	6.88	....	1.49	0	14	....	....	....	....	Cabin Creek Con. Coal C
Lewisburg[a]	Greenbrier	2,200	24	59.3	− 4.8	87	1	34	6†	38	4.49	+1.66	1.01	0	11	8	4	17	s.	Geo. T. Argabate.
Logan	Logan	700	21	....	....	....	....	....	....	....	7.29	+4.30	1.93	0	12	....	....	....	....	Geo. R. Travis.
Marlinton	Pocahontas	2,131	25	55.6	− 5.8	84	1	32	6†	34	7.68	+4.57	2.46	0	12	4	17	9	sw.	S. L. Brown.
Organ Cave	Greenbrier	....	2	....	....	....	....	....	....	....	4.42	....	....	0	11	....	....	....	....	D. C. Humphreys.
Point Pleasant	Mason	553	31	....	....	....	....	....	....	....	4.73	+2.40	1.30	0	12	10	0	20	sw.	Miss Grace E. Henson.
Powellton	Fayette	933	28	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	538	9	....	....	....	....	....	....	....	6.30	....	2.00	0	11	10	0	20	ne.	Lockmaster.
Robertsburg	Putnam	574	24	62.4	− 5.7	95	1	40	6	39	6.34	+4.03	1.77	0	13	17	0	13	....	M. Frazier.
Ryan	Roane	700	21	60.8	− 5.5	91	1	32	6	39	6.81	+4.02	2.36	0	13	11	7	12	....	Wm. E. Ryan.
Sharples	Logan	....	4	....	....	....	....	....	....	....	8.80	....	....	0	8	....	....	....	....	E. H. Locke.
Spencer	Roane	784	20	59.0	− 6.9	89	1	38	6	32	7.56	+4.62	2.12	0	9	2	22	6	....	A. M. McKown.
Summersville	Nicholas	1,894	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Cecil Groves.
Sutton	Braxton	839	18	63.5	− 6.6	94	1	36	6	41	7.54	+4.38	1.20	0	13	17	0	13	....	C. B. Eakle.
Union[d]	Monroe	2,250	20	61.9	− 3.2	93	1†	33	6	47	4.78	+2.18	1.29	0	8	5	8	13	....	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	14	59.2[a]	− 5.0	76[a]	12	34	7†	37[a]	4.93	+1.80	1.05	0	15	9	13	8	....	E. J. Comar.
Williamson	Mingo	660	24	61.8	− 7.5	87	1	45	6†	30	8.97	+5.95	2.69	0	13	11	7	12	w.	J. F. Keyser.
Averages and	extremes	....	....	60.9	− 5.6	95	1	32	6†	47	6.36	+3.65	2.69	0	11	10	6	14	sw.	
State averages and	extremes	....	....	60.7	− 4.8	100	1	26	7	48	5.96	+3.14	2.95	T.	12	11	7	12	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, a, b, c appearing in the table indicate number of missingdays; for example, b represents two days, etc.

Daily Precipitation for September, 1924

Stations	Drainage basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Panhandle Division																																	
Bayard	Potomac	....	....	1.17	.03	....	.24	....	....	.12	.42	.08	....	T.	....	....	....	....	.04	.21	....	1.14	.43	....	....	....	....	.09	....	.14	1.89	....	6.00
Brandywine	....do	....	.45	....	....	....	....	....	....	.15	....	....	....	.05	....	....	....	....	....	T.	*	.45	T.	....	....	....	.05	....	*	*	3.15	....	4.30
Burlington	....do	....	.30	....	....	.25	....	....	.50	....	....	....	....	T.	....	....	....	....	....	....	.30	....	.15	....	....	....	T.	....	....	.20	1.10	....	2.80
Harpers Ferry ‖‖	....do	....	....	.57	....	....	.17	....	....	....	.05	....	....	....	....	....	....	T.	....	T.	.01	.44	.03	.10	....	....	....	....	.08	1.04	2.60	....	5.09
Inwood	....do	.35	.48	....	....	.18	....	....	....	.03	.02	....	....	....	....	....	....	....	....	.05	.15	.20	.30	....	....	....	....	....	.20	1.49	.95	....	4.40
Martinsburg	....do	....	1.02	.40	....	.07	....	....	....	.05	....	....	....	....	....	....	....	T.	....	T.	.06	.35	.11	....	....	....	....	....	.03	.53	2.06	....	4.68
Moorefield	....do	....	.65	....	....	.07	....	....	....	.26	....	....	....	....	....	....	....	....	....	.15	.20	.27	.18	....	....	....	.05	....	.08	1.05	1.17	....	4.13
Piedmont	....do	....	.23	....	....	.20	....	....	....	.07	....	....	....	....	....	....	....	....	....	.23	.24	.55	.21	....	....	....	.03	....	.52	1.45	.66	....	4.39
Romney	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Stony River Dam‖‖	....do	....	....	.78	....	....	....	....	....	.20	.41	.02	....	....	.07	....	....	....	....	.35	.02	.68	.06	.24	....	....	....	....	.08	1.07	1.37	....	5.35
Upper Tract	....do	....	.15	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.20	....	T.	....	....	....	....	....	.10	2.00	1.50	....	3.95
Wardensville‖‖	....do	....	.85	....	....	1.25	.15	....	....	.03	.04	....	....	.10	....	....	....	....	....	.08	T.	.21	.32	.18	....	....	....	....	.21	.56	1.85	....	5.83
Northern Division																																	
Aberdeen	Monongahela	....	.71	....	....	.17	....	....	.02	.21	....	....	....	.18	....	....	....	....	.03	.10	.22	.08	.85	....	....	....	....	T.	.08	1.28	1.17	....	5.10
Bens Run	Ohio	....	1.06	....	....	.06	....	....	.27	.03	.03	....	....	.49	....	....	....	....	....	....	.25	.07	.44	....	....	....	T.	.04	.31	2.55	.65	....	6.25
Benson	Monongahela	.30	1.10	....	....	.12	....	....	....	.78	.21	....	....	.29	.02	....	....	....	.26	....	.25	.16	.98	.02	....	....	....	T.	.08	1.50	1.05	....	7.12
Brownsville	....do	....	.60	....	....	.22	....	....	.03	.24	....	....	....	.22	....	....	....	....	.15	.12	.38	.06	.68	....	....	....	....	.02	.09	1.20	1.21	....	5.22
Bruceton Mills ‖‖	....do	....	.99	....	....	.42	....	....	T.	.73	.06	....	....	.27	....	....	....	T.	....	.14	.12	.77	.41	....	....	....	T.	....	.15	1.21	.81	....	6.08
Buckhannon	....do	....	1.15	....	....	.25	....	....	....	.18	....	....	....	.56	....	....	T.	T.	.30	.10	.37	.20	.40	....	....	....	....	....	.15	1.30	1.07	....	6.03
Cairo	Little Kanawha	....	.81	....	....	.10	....	....	T.	.46	.01	....	....	.40	....	....	....	.40	.08	....	.63	T.	1.30	....	....	....	T.	T.	1.00	1.85	.85	....	7.89
Cheat Bridge ‖‖	Monongahela	.16	.89	....	....	....	.18	....	....	1.14	1.04	.03	....	....	....	....	....	.39	....	.16	.03	.72	.06	.13	....	....	....	....	.09	.80	1.70	....	7.52
Clarksburg	....do	....	1.30	....	....	.30	....	....	.02	.55	.15	....	....	.21	.03	....	....	....	.20	....	.12	.39	.75	....	....	....	.01	....	.06	1.51	.93	....	6.53
Cortland ‖‖	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Crawford	....do	....	1.50	....	....	.20	....	....	.20	.10	.07	....	.25	....	....	....	....	....	.82	.70	.45	.20	.38	....	....	....	....	.14	1.20	....	1.12	....	7.33
Creston ‖‖	Little Kanawha	....	.10	.72	....	....	.06	....	T.	.31	.11	T.	....	.28	.16	....	.05	....	.06	....	....	.80	.53	T.	....	....	....	T.	....	1.89	1.45	....	6.52
Dam 10, Mon. R.‖‖	Monongahela	....	.10	.57	....	....	.27	....	....	.61	.32	.12	....	....	.26	....	....	....	....	....	....	.52	1.07	.04	....	....	....	.01	....	.61	1.41	....	5.91
Dam 12, O. R.‖‖	Ohio	....	.52	.43	....	.34	.06	....	....	.22	.15	....	....	.15	.12	....	....	....	.03	....	....	.22	.22	.01	....	....	....	....	....	2.20	.83	....	5.50
Dam 13, O. R.‖‖	....do	....	.62	.34	....	.07	.16	....	....	.20	.11	....	....	.22	.12	....	....	.02	.03	....	....	.22	.69	.02	....	....	....	.02	....	2.30	.83	....	5.97
Dam 15, Mon. R.‖‖	Monongahela	....	.31	.49	....	.04	.35	....	....	.47	.22	....	....	.02	.06	....	....	....	.03	.02	....	.76	.82	.03	....	....	....	....	....	.66	1.42	....	5.70
Davis ‖‖	....do	....	.84	.07	....	....	.44	....	....	.17	.55	.04	....	....	.11	....	T.	....	.05	.16	.10	.16	.40	.50	....	....	....	.01	T.	.46	1.61	....	5.67
Elizabeth‖‖	Little Kanawha	....	.15	.57	....	....	....	....	....	.21	....	....	....	.44	....	....	....	....	.05	....	....	.59	.68	....	....	....	....	....	....	2.33	1.17	....	6.19
Elkins ***	Monongahela	.03	.69	....	....	.21	....	....	.19	.51	.02	....	....	.04	....	....	....	.17	.01	.11	.58	.17	.21	....	....	....	T.	....	.19	1.82	.44	....	5.39
Fairmont‖‖	....do	....	.21	.56	....	T	.33	....	T.	.50	.08	....	....	T.	.25	....	....	....	T.	T.	T.	.70	.67	.06	....	....	....	T.	....	.92	1.20	....	5.48
Glenville ‖‖	Little Kanawha	....	.15	.63	....	....	.20	....	.03	.32	.10	T.	....	....	.44	....	....	.12	.24	....	.02	.54	.57	....	....	....	....	....	.06	1.51	1.57	....	6.50
Horner	....do	....	.73	....	....	.27	....	....	.02	.25	.11	....	....	.22	....	....	....	.07	.18	.09	.39	.12	.59	....	....	....	....	....	.20	1.32	.98	....	5.54
Janelew (near)	....do	.65	....	....	.16	....	....	....	.30	....	....	....	.25	....	....	....	....	....	.21	.27	.10	.84	....	....	....	....	....	.10	1.23	1.20	....	....	5.31
Lost Creek	....do	.08	1.16	....	....	.13	....	....	.02	.41	.08	....	....	.38	....	....	T.	....	T.	T.	.20	.13	.56	....	....	....	T.	....	.10	1.74	1.03	....	6.02
Mannington	....do	....	.59	....	....	.25	....	....	T.	1.21	.03	....	....	.38	....	....	....	....	.04	....	.14	.32	.71	....	....	....	....	T.	.08	1.75	.66	....	6.16
Morgantown	....do	....	.86	....	....	.31	....	....	....	.79	.50	....	....	.25	....	....	....	....	....	....	.10	.67	....	....	....	....	....	....	.12	1.10	.59	....	5.29
Moundsville‖‖	Ohio	....	1.06	....	....	.41	....	....	....	.48	....	....	....	.50	....	....	....	T.	....	....	.15	.17	....	....	....	....	....	....	*	*	2.85	....	5.62
New Cumberland‖‖	....do	....	1.05	.37	....	.23	.25	....	....	.43	.35	....	....	.37	.03	....	....	....	.07	....	....	.44	.75	.03	....	....	....	....	....	2.15	.67	....	7.19
New Martinsville	....do	....	.60	....	....	.20	....	....	.05	.20	.10	....	....	.75	....	....	....	....	....	....	....	....	.85	....	....	....	....	....	.20	2.40	1.15	....	6.50
Parkersburg ***	....do	.25	.36	....	....	.05	....	T.	.04	.17	....	....	....	.45	....	....	....	.24	....	....	.60	.05	.15	....	....	....	T.	....	1.47	1.31	.14	....	5.28
Parsons	Monongahela	....	*	....	....	....	....	....	T.	*	....	....	....	2.00	....	....	....	....	*	*	....	*	*	....	....	....	....	....	....	*	2.15	....	4.15
Philippi	....do	.33	.68	T.	....	.15	....	....	.02	.28	....	....	....	.23	....	....	....	....	.30	.21	.40	.22	.50	....	....	....	....	....	.12	1.20	1.10	....	5.74
Pickens	....do	*	1.30	....	....	.37	....	....	....	2.10	....	....	....	.18	....	....	....	.15	....	.11	.67	....	.70	....	....	....	....	....	.10	1.50	1.50	....	8.68
Roanoke	....do	....	.83	....	....	.19	....	....	....	.27	....	....	....	.23	....	....	....	.01	.23	....	.45	.37	.50	....	....	....	....	....	.18	1.22	1.19	....	5.67
Rowlesburg ‖‖	....do	....	.08	.48	....	....	.05	....	....	.05	.73	....	....	....	.43	....	....	....	.28	.22	....	.52	.50	.20	....	....	....	....	....	.46	1.55	....	5.55
Saint Marys ‖‖	Ohio	....	.48	.30	....	.12	.04	....	.03	.33	.11	....	....	.33	.15	....	....	....	.02	....	.05	.36	.19	T.	....	....	....	.02	....	2.95	1.29	....	6.77
Smithfield‖‖	Fishing Creek	....	.08	.59	....	.15	....	....	....	.45	.10	....	....	.28	.18	....	....	....	.05	....	....	.60	1.08	.06	....	....	....	....	.02	1.77	.88	....	6.29
Terra Alta	Monongahela	.01	.83	.04	....	.56	....	....	T.	.66	.44	....	....	.23	....	....	....	....	.05	.16	.16	.60	.33	....	....	....	T.	....	.13	1.04	1.11	....	6.35
Valley Chapel	....do	.12	1.12	....	....	....	....	....	....	.40	.17	....	....	.44	.03	....	....	....	.07	....	.18	.14	1.31	....	....	....	....	....	.06	1.42	1.11	....	6.57
Vandalia	....do	....	1.80	....	....	.29	....	....	....	.29	.14	....	....	....	....	....	....	....	.69	....	.44	.86	.07	....	....	....	....	....	.12	1.17	1.25	....	7.12
Wellsburg	Ohio	....	.58	....	....	.30	....	....	T.	.32	.06	....	....	.38	....	....	....	....	T.	....	.32	.31	.22	....	....	....	....	....	.12	2.60	.60	....	5.81
Weston	Monongahela	....	.71	....	....	.21	....	....	.04	.39	.12	....	....	.28	....	.01	....	.01	.18	.06	.40	....	.91	.01	....	....	.01	....	.11	1.32	1.03	....	5.80
Wheeling‖‖	Ohio	....	.75	.25	....	.16	.05	....	....	.22	.22	T.	....	.13	.10	....	....	.01	.02	....	....	.22	.30	.01	....	....	....	....	....	2.25	.85	....	5.54
Southern Division																																	
Bancroft ‖‖	Great Kanawha	....	.30	1.29	....	....	.07	....	.01	.18	.06	.01	....	.14	.32	....	.02	....	.32	....	....	.70	.55	.02	....	....	....	.03	.02	2.39	1.57	....	8.00
Beckley	....do	....	1.15	....	....	....	....	....	....	.56	....	....	....	.60	....	....	....	....	....	....	.37	....	....	....	....	....	....	....	1.85	.75	.60	....	5.88
Bluefield	....do	....	.21	....	....	.04	....	....	....	.54	....	....	....	1.02	....	....	.12	.08	....	....	....	1.10	....	....	....	....	.02	.02	.86	1.60	1.10	....	6.71
Camden-on-Gauley‖‖	....do	....	....	....	....	....	....	....	....	....	....	....	....	.22	....	....	....	....	....	....	.80	1.00	....	....	....	....	....	....	....	2.10	....	....	4.12
Charleston ‖‖	....do	....	....	.83	....	....	....	....	.03	.09	.12	....	....	....	.21	....	....	....	.48	....	....	.65	.47	....	....	....	....	....	....	1.84	1.29	....	6.01
Clay ‖‖	....do	....	.14	1.12	....	....	.09	....	.03	.51	.11	.01	....	....	....	.14	....	....	....	....	....	....	....	....	....	....	....	....	....	1.74	1.38	....	5.27
Dam 19 O. R. ‖‖	Ohio	....	.70	.40	....	T.	.05	....	.02	.14	.08	....	....	.46	.12	....	....	....	1.34	.02	.05	.58	.07	....	....	....	....	....	....	1.92	1.36	....	7.31
Dam 20 O. R. ‖‖	....do	....	.74	.55	....	....	.02	....	....	.08	.05	....	....	.30	.14	....	....	....	.35	....	.06	.95	.98	....	....	....	....	....	....	1.80	1.24	....	7.26
Dam 26 O. R. ‖‖	....do	....	.15	....	....	....	....	....	....	....	....	....	....	.45	.60	....	....	....	....	....	....	.65	.60	....	....	....	....	....	....	.95	1.60	....	5.00
Gary‖‖	Big Sandy	....	....	.59	....	....	.09	....	....	.42	.10	....	....	....	.47	....	.05	....	.11	....	.08	1.50	.91	.07	....	....	....	....	.08	1.50	1.00	....	6.97
Hinton ‖‖	....do	....	....	.38	....	....	T	....	....	.44	....	....	....	....	.30	....	....	.02	T.	.06	.02	.98	.16	.20	....	....	....	.02	.08	1.02	1.62	....	5.30
Huntington ‖‖	Ohio	....	1.38	.40	....	....	....	....	.62	.12	....	....	....	.28	.22	....	....	....	.12	....	.10	.66	.16	....	....	....	....	....	....	1.04	1.40	....	6.50
Kanawha Falls‖‖	Great Kanawha	....	....	1.10	....	....	.05	....	....	.38	.10	....	....	....	.25	....	....	....	....	....	....	.65	.30	.35	....	....	....	....	....	1.65	1.35	....	6.18
Kayford‖‖	....do	....	.07	1.14	....	....	.14	....	....	.93	.23	T.	....	....	.30	....	....	....	.24	....	.05	.68	.05	.14	....	....	....	....	.08	1.49	1.34	....	6.88
Lewisburg	....do	....	.36	....	....	....	....	....	....	.37	....	....	....	.39	.01	....	....	.16	....	....	.81	.18	....	....	....	....	....	.12	.45	.63	1.01	....	4.49
Logan	Guyandotte	....	.06	.85	....	....	....	....	....	.25	.09	....	....	....	.45	....	....	....	.28	....	.02	.85	1.93	.18	....	....	....	....	T.	1.40	.93	....	7.29
Marlinton	Great Kanawha	....	.86	....	....	.04	....	....	....	.62	....	....	....	.28	....	....	....	.26	....	....	.82	.64	T.	....	....	....	.26	.66	.98	1.48	.78	....	7.68
Organ Cave	....do	T.	.76	....	....	....	....	....	.36	....	....	....	....	.34	....	....	....	*	.18	....	.64	.06	....	....	....	....	.06	....	*	*	2.02	....	4.42
Point Pleasant ‖‖	Ohio	....	.06	.60	....	....	....	....	....	.12	.02	....	....	.35	.04	....	....	....	.10	....	....	.73	.28	.01	....	....	....	....	T.	1.12	1.30	....	4.73
Ravenswood (Dam 22	Ohio	....	.75	.45	....	....	....	....	....	.20	.10	....	....	.10	.30	....	....	....	.10	....	....	.65	.55	....	....	....	....	....	T.	2.00	1.10	....	6.30
Robertsburg ‖‖	Great Kanawha	....	.62	.64	....	....	.08	....	.02	.28	....	....	....	.30	.17	....	....	....	....	....	.02	.43	.56	....	....	....	....	.01	....	1.44	1.77	....	6.34
Ryan	....do	.02	.56	....	....	....	....	....	.02	.59	....	.01	....	.46	....	....	....	.37	....	....	.68	.02	.46	....	....	....	....	....	.32	2.36	.94	....	6.81
Sharples ‖‖	Coal River	....	.52	.46	....	T.	....	....	....	....	....	....	....	....	.96	....	....	....	....	....	*	*	3.72	....	....	....	....	....	T.	2.00	1.14	....	8.80
Spencer ‖‖	Little Kanawha	....	1.61	....	....	....	T.	.11	....	.37	.11	T.	.14	....	.24	T.	....	....	....	....	2.12	....	....	....	....	....	....	T.	T.	1.54	1.32	....	7.56
Summersville	Gauley	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sutton	Great Kanawha	....	1.13	....	....	.12	....	....	.10	.88	....	....	....	.25	....	....	....	.81	....	.15	.84	.10	.48	....	....	....	....	....	.30	1.18	1.20	....	7.54
Union	....do	....	.72	....	....	....	....	....	....	.51	....	....	....	....	....	.15	....	.05	....	....	.59	....	.43	....	....	....	....	....	....	1.04	1.29	....	4.78
White Sulpr. Spgs.‖‖	....do	....	.60	....	....	....	....	....	.40	.10	....	....	....	.30	....	....	....	.10	.10	.40	.40	.03	.15	....	....	.10	.15	.25	.80	1.05	....	....	4.93
Williamson ‖‖	Big Sandy	....	.06	.38	....	....	T.	....	....	.52	.01	....	....	.70	....	....	....	....	1.43	....	.26	1.15	2.69	.23	....	....	....	....	.10	.73	.71	....	8.97

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

††† Probably incomplete.

Daily Temperatures for September, 1924

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	90	82	74	73	66	60	68	76	79	60	69	84	78	64	66	68	70	69	65	69	76	67	64	64	66	66	66	65	64	51	....	69.3
	Minimum	54	58	42	33	41	34	30	41	48	41	29	40	52	52	41	40	41	49	53	51	58	55	31	32	31	42	51	54	50	39	....	43.8
Brandywine	Maximum	84	85	75	70	65	67	70	80	75	55	70	78	80	72	70	72	75	76	72	70	75	70	68	65	70	65	62	65	62	55	....	70.6
	Minimum	54	52	47	46	42	32	32	42	45	43	34	45	52	49	47	44	45	50	55	60	58	59	40	33	32	42	42	55	50	45	....	45.7
Burlington	Maximum	98	99	79	84	75	72	70	88	79	66	78	91	78	76	81	....	....	....	....	74	....	73	76	77	75	69	71	74	71	65	....	77.6
	Minimum	52	54	48	44	52	43	37	45	60	46	35	50	57	58	48	....	....	....	....	61	....	65	60	40	35	45	60	60	59	59	....	50.9
Inwood	Maximum	100	86	73	77	76	67	70	81	78	65	70	85	84	69	72	70	72	75	71	68	69	69	70	68	74	69	65	64	74	66	....	73.2
	Minimum	61	62	53	43	53	44	40	60	61	48	38	50	57	49	52	46	54	51	57	58	56	57	46	37	49	47	53	55	60	45	....	51.4
Martinsburg§	Maximum	100	89	78	83	67	72	75	85	79	60	75	90	89	76	79	75	77	80	68	68	68	71	75	73	75	66	75	76	76	....	....	76.6
	Minimum	66	65	53	46	47	42	39	53	59	49	35	40	58	63	53	48	50	52	56	58	58	62	48	40	38	42	53	55	63	46	....	51.2
Moorfield	Maximum	98	89	75	82	78	78	89	83	83	77	79	96	89	79	78	72	76	81	75	68	75	76	74	73	73	69	71	73	69	64	....	78.1
	Minimum	57	60	42	40	46	32	46	34	56	46	32	47	56	49	47	44	45	49	53	58	58	60	40	35	33	43	50	55	58	42	....	47.1
Piedmont	Maximum	94	85	74	78	64	64	72	80	68	56	71	85	77	68	72	68	73	71	64	63	63	68	68	66	66	60	61	67	64	54	....	69.5
	Minimum	63	63	48	43	49	41	36	49	53	46	34	49	55	54	50	48	49	52	57	60	60	61	46	41	38	46	55	59	54	45	....	50.1
Romney	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Upper Tract	Maximum	80	78	70	....	65	65	66	....	....	74	75	....	75	74	73	70	71	70	65	....	68	70	70	70	71	....	....	70	69	64	....	70.6
	Minimum	64	62	61	....	40	35	35	....	....	34	34	....	50	50	49	48	48	48	46	....	39	39	40	35	33	....	....	43	43	43	....	44.3
Wardensville§	Maximum	90	82	71	70	65	65	68	80	72	76	72	80	83	80	75	74	76	74	65	62	65	68	69	64	66	63	63	68	71	....	....	71.6
	Minimum	58	51	50	41	42	39	37	39	46	44	38	34	40	46	49	50	46	48	46	55	50	55	43	36	32	43	50	51	52	45	....	45.2
Northern Division																																	
Bens Run	Maximum	91	86	84	75	67	69	73	77	68	61	73	78	73	71	75	78	71	71	81	72	81	77	74	73	72	75	81	70	65	51	....	73.8
	Minimum	69	61	51	50	55	45	44	53	54	45	41	54	58	53	49	51	57	54	64	62	64	61	44	44	47	50	58	55	48	44	....	52.8
Buckhannon	Maximum	86	73	67	69	62	63	67	76	73	59	62	78	72	65	70	72	70	69	75	70	81	69	63	68	70	70	74	71	65	52	....	69.4
	Minimum	63	60	53	43	52	38	38	53	55	41	40	51	52	55	48	50	53	58	57	60	54	58	43	40	40	50	58	56	50	44	....	50.8
Cairo	Maximum	91	73	73	76	70	68	69	77	68	60	72	85	71	71	75	77	70	69	74	78	80	75	71	74	72	70	79	68	60	50	....	72.2
	Minimum	63	61	46	45	53	36	38	55	52	43	38	49	56	52	43	45	54	53	58	60	64	53	41	49	41	47	56	54	50	45	....	50.0
Clarksburg	Maximum	92	83	70	77	75	65	72	83	79	63	73	86	84	70	72	75	74	76	84	83	82	87	69	71	74	73	80	75	69	54	....	75.7
	Minimum	65	61	49	47	52	39	40	50	57	46	38	49	59	53	44	47	52	52	58	62	64	62	44	40	41	50	58	54	53	45	....	51.0
Creston	Maximum	92	75	74	78	67	69	73	81	69	63	73	86	75	75	77	78	73	73	84	73	80	76	70	75	75	74	80	72	67	51	....	74.3
	Minimum	65	61	49	47	53	39	41	48	55	41	41	48	60	52	44	50	55	56	57	58	62	60	42	40	41	48	56	56	49	45	....	50.6
Elkins	Maximum	88	73	67	72	62	60	69	80	62	54	70	83	66	64	70	70	71	71	76	68	81	70	64	71	74	67	69	70	68	44	....	69.1
	Minimum	60	55	47	44	40	36	36	50	46	37	37	47	57	50	49	48	48	54	58	62	63	49	44	40	39	47	60	62	44	41	....	48.3
Fairmont§	Maximum	93	70	74	79	69	68	71	79	66	59	73	85	64	73	79	75	80	74	82	73	82	68	73	77	74	76	79	72	54	47	....	72.9
	Minimum	67	66	51	47	49	40	44	51	57	45	38	45	58	54	45	47	55	61	57	63	62	64	45	41	41	45	54	56	54	43	....	51.5
Glenville	Maximum	93	94	74	79	77	71	74	76	80	62	72	85	83	75	77	80	82	76	81	85	82	82	81	78	82	72	76	75	72	56	....	77.7
	Minimum	65	62	51	48	52	40	41	48	56	48	40	45	49	54	47	51	58	57	56	58	62	62	44	42	44	50	55	54	51	46	....	51.2
Lost Creek	Maximum	87	75	67	72	66	64	69	79	69	58	69	81	71	67	70	72	73	70	78	75	80	80	75	68	71	69	76	73	66	58	....	71.6
	Minimum	62	59	45	43	50	34	35	48	55	44	35	47	58	50	41	45	50	55	56	60	61	59	50	36	36	45	55	50	49	42	....	48.5
Mannington	Maximum	86	79	69	72	65	63	67	77	72	56	68	80	70	67	70	72	71	69	78	72	82	75	66	69	70	69	75	73	65	49	....	70.5
	Minimum	65	61	46	45	52	36	39	49	55	43	35	50	59	53	42	46	52	55	57	61	62	60	42	39	39	47	56	52	49	44	....	49.7
Morgantown	Maximum	90	85	70	74	68	62	....	79	78	64	68	82	78	67	72	73	75	70	78	70	79	78	66	72	72	71	74	74	67	48	....	72.6
	Minimum	69	59	48	44	54	42	....	....	53	45	36	56	48	54	54	54	55	56	60	63	63	62	46	42	46	55	57	59	47	42	....	52.5
New Cumberland§	Maximum	89	69	73	76	64	72	74	77	64	58	70	83	76	66	72	77	75	75	78	72	81	69	66	71	75	77	77	74	54	51	....	71.8
	Minimum	65	67	51	48	49	41	40	46	56	44	37	44	56	46	47	48	50	54	52	60	63	63	45	39	43	45	49	56	50	44	....	49.9
New Martinsville	Maximum	93	86	75	79	71	69	74	80	70	65	76	88	82	78	77	83	73	74	86	78	85	75	74	76	78	77	84	74	62	62	....	76.8
	Minimum	65	59	49	46	52	38	39	47	53	41	33	48	56	49	45	47	54	53	55	57	62	60	44	41	43	48	56	54	44	42	....	49.3
Parkersburg	Maximum	91	72	71	77	66	66	69	76	69	60	71	85	76	71	74	75	71	69	81	72	78	71	69	72	72	73	76	66	64	50	....	71.8
	Minimum	70	59	54	50	48	42	46	56	51	46	46	57	60	56	52	53	59	53	60	66	65	56	45	46	48	54	60	60	47	46	....	53.7
Parsons	Maximum	89	75	71	73	62	63	60	79	69	56	75	83	60	66	74	71	74	80	72	76	82	68	68	73	74	70	75	70	60	49	....	70.6
	Minimum	63	55	46	45	41	34	36	40	40	40	34	50	50	48	46	45	45	50	53	54	53	51	45	45	50	48	34	40	44	41	....	45.5
Philippi	Maximum	89	75	69	73	65	64	70	79	73	57	72	84	79	68	73	74	75	72	80	74	84	79	67	70	74	74	73	72	67	52	....	72.6
	Minimum	65	58	48	43	44	38	39	55	53	44	37	55	59	55	49	49	49	56	58	62	61	60	42	43	45	54	59	57	49	41	....	50.9
Pickens	Maximum	90	70	73	71	60	61	70	79	65	50	70	81	57	65	70	76	74	69	77	66	82	66	65	74	75	65	74	65	55	48	....	68.8
	Minimum	56	52	38	43	41	31	33	54	42	35	30	48	53	46	42	49	46	49	51	56	57	50	37	36	38	49	54	54	45	35	....	45.0
Terra Alta	Maximum	83	73	63	66	63	55	60	72	67	49	62	75	72	60	66	61	65	64	61	61	68	62	60	61	59	56	55	62	60	46	....	62.9
	Minimum	58	53	39	33	43	37	30	43	49	39	29	42	51	50	41	46	47	51	52	56	57	55	44	35	37	46	50	54	46	37	....	45.1
Wellsburg	Maximum	91	78	73	76	67	64	71	77	71	59	71	84	74	66	69	75	71	72	77	70	85	76	68	70	74	75	74	74	66	49	....	72.2
	Minimum	67	59	49	45	54	38	35	52	55	43	32	49	56	46	43	45	47	53	51	58	62	60	42	40	37	42	59	52	48	44	....	48.8
Weston	Maximum	92	83	73	76	73	69	69	73	77	60	65	78	82	70	71	74	70	68	77	81	85	73	64	69	76	68	80	70	67	52	....	72.8
	Minimum	65	60	52	45	53	38	39	51	56	46	40	51	59	55	47	51	55	58	58	60	63	62	44	41	42	49	57	55	52	44	....	51.6
Wheeling§	Maximum	98	70	77	82	70	70	75	80	70	63	72	90	70	75	79	81	74	74	84	70	85	77	76	79	80	79	82	72	54	49	....	75.2
	Minimum	70	66	49	48	49	39	42	48	50	42	35	42	55	47	47	48	50	54	54	59	64	55	42	40	42	45	51	56	50	42	....	49.4
Southern Division																																	
Bluefield	Maximum	....	89	75	71	70	62	69	81	81	66	78	83	83	....	71	68	68	71	82	76	....	80	69	70	76	58	65	64	67	62	....	72.2
	Minimum	....	62	53	45	50	38	43	55	53	44	40	51	60	....	52	49	51	53	57	58	....	56	44	42	47	52	55	53	52	40	....	50.2
Gary §	Maximum	92	78	78	76	70	68	82	86	66	62	79	86	77	70	74	75	75	75	84	70	72	70	70	73	83	67	70	67	63	49	....	73.6
	Minimum	64	65	50	49	50	40	43	49	57	49	42	46	52	56	52	52	53	56	58	60	64	61	49	44	46	51	60	60	61	46	....	52.8
Hinton §	Maximum	93	75	74	80	71	70	78	84	68	62	78	88	77	70	69	66	74	71	81	67	70	72	73	76	72	63	68	65	63	48	....	72.2
	Minimum	64	65	56	52	52	41	43	46	51	49	43	43	50	54	54	55	54	54	54	60	62	62	48	47	46	47	58	60	61	46	....	52.6
Huntington §	Maximum	88	70	70	72	68	66	71	75	65	62	71	81	66	70	72	72	68	68	77	71	73	68	66	71	70	71	75	67	55	50	....	69.6
	Minimum	71	70	53	53	54	46	48	54	59	47	48	52	57	56	51	53	55	57	57	60	65	65	47	46	48	50	58	60	54	45	....	54.6
Lewisburg	Maximum	87	75	71	73	68	63	71	81	71	57	73	82	75	68	66	63	71	69	76	67	72	75	70	68	....	68	60	64	65	54	....	69.8
	Minimum	58	60	52	45	47	34	34	46	52	44	35	45	47	52	51	53	53	50	57	61	60	56	39	39	....	40	53	56	54	42	....	48.8
Marlinton	Maximum	84	70	66	68	58	60	64	72	60	52	64	76	68	64	68	60	68	66	70	62	70	66	64	62	64	62	60	62	62	58	....	65.0
	Minimum	56	56	50	40	40	32	34	46	42	42	32	42	48	48	46	50	46	50	54	58	56	48	38	38	38	50	54	56	58	38	....	46.2
Point Pleasant	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Ravenswood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Robertsburg§	Maximum	95	70	75	79	78	68	75	78	68	68	77	88	66	76	78	77	72	70	82	70	79	71	73	80	80	74	76	67	52	50	....	73.7
	Minimum	68	65	48	47	50	40	43	50	56	44	45	50	60	53	45	50	52	50	53	58	62	63	42	41	43	48	65	52	50	44	....	51.2
Ryan	Maximum	91	73	73	75	70	70	73	80	70	62	72	85	70	72	76	75	75	70	74	71	76	73	70	75	75	70	77	69	66	55	....	72.8
	Minimum	63	61	49	44	49	32	40	48	56	44	37	46	58	52	42	50	50	53	54	54	61	56	37	36	40	50	55	56	45	45	....	48.8
Spencer §	Maximum	89	62	71	77	72	62	70	60	68	60	62	72	68	72	74	69	66	68	69	69	68	60	69	73	68	74	77	69	55	52	....	68.2
	Minimum	67	61	50	46	49	38	42	50	57	44	41	47	50	48	44	49	54	54	55	59	54	51	40	41	43	51	52	57	54	44	....	49.7
Summersville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Sutton	Maximum	94	87	81	77	77	72	71	78	78	75	70	87	87	72	73	73	72	81	81	79	82	82	74	74	78	78	75	84	84	70	....	78.2
	Minimum	60	58	50	46	48	36	39	48	44	40	38	46	54	53	47	45	51	54	55	52	56	50	54	42	42	48	53	54	52	48	....	48.8
Union	Maximum	93	93	76	77	77	79	....	84	84	65	77	86	83	....	71	67	77	75	77	72	....	74	74	75	70	65	63	....	66	65	....	75.6
	Minimum	57	59	51	41	41	33	....	37	54	45	36	46	49	....	50	49	52	51	55	60	....	56	42	39	43	53	55	....	57	41	....	48.2
White Sulphur Spgs§	Maximum	74	75	72	72	68	72	62	64	64	68	75	76	65	65	75	72	75	68	74	74	72	70	68	60	72	66	66	61	65	....	....	69.3
	Minimum	61	54	46	48	35	35	34	55	45	35	45	48	47	52	55	55	54	58	63	60	59	44	40	40	55	45	58	56	44	31	....	49.0
Williamson §	Maximum	87	71	69	72	66	66	72	79	63	59	73	80	63	68	73	74	69	66	78	70	68	67	65	69	70	70	73	68	68	47	....	69.4
	Minimum	70	67	58	53	52	45	45	53	54	50	47	50	50	50	53	54	54	55	56	60	65	62	49	49	49	52	60	60	62	46	....	54.3

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXII PARKERSBURG, W. VA., OCTOBER, 1924 No. 10

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GENERAL SUMMARY

October was exceptionally dry, the average precipitation, 0.40 inch, being the least for any month of State record. For October, 1897, the average was 0.53 inch, and for October, 1901, 0.54 inch. At Sutton no rain fell during the entire month. At Parkersburg there were 27 consecutive days without measureable precipitation, the longest period of local record. Owing to the lateness of the season and to heavy rain at the close of September, the drought caused but slight damage or inconvenience. Drilling was suspended in some localities on account of lack of water and water had to be carried for stock in a few localities.

The temperature was nearly typical of the average October, the average for the State being only slightly below the normal. The month, however, was characterized by exceptionally fair weather, with generally only slight temperature changes from day to day. There is no record of a pleasanter month.

The conditions were exceptionally favorable for the ripening of corn and outdoor work, as killing frosts were not general in most of the agricultural districts until the 22d, about ten days later than usual. At the close of the month corn husking was general, the yield being generally poor.

TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 54.6°. The departure from the normal for 42 stations having ten or more years of record was —0.2°. The month opened cool and the temperature was slightly below or near the normal from the 8th to the 13th. The lowest temperatures occurred from the 21st to the 25th. Moderately warm weather prevailed from the 4th to the 8th, 15th to the 19th, and the 27th to the 31st, with the highest temperatures occurring from the 3d to the 6th.

PRECIPITATION

The average precipitation for the State, determined from 78 stations, was 0.40 inch. The departure from the normal for 51 stations having ten or more years of record was —2.57 inches. Scattered and light showers occurred on the 6-7th and 19-20th. Light to moderate rain was quite general on the 27-28th. Light rain also occurred in many localities late on the 31st. A trace of snow was observed at Terra Alta on the 21st.

MISCELLANEOUS PHENOMENA

Halo, lunar: Wheeling, 9th and 12th.

Haze, light: Bens Run, 9th; Lost Creek, 13th to the 18th, 21st to the 23d, and from the 25th to the 30th; Terra Alta, 10th to the 13th, 16th, 18th, 19th, 24th, 25th, 28th, and 29th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.23	80	40	57	293.4	85	3,849	5.2	22	ne.	20
Columbus, Ohio	30.24	79	54	54	294.5	85	5,878	7.9	30	n.	20
Elkins	30.29	94	47	75	237.0	68	2,230	3.0	22	n.	31
Lexington, Ky	30.23	65	49	....	234.8	68	8,153	11.0	36	sw.	31
Parkersburg	30.26	85	43	65	233.3	67	2,039	2.7	22	nw.	31
Pittsburgh, Pa	30.26	82	55	58	265.0	77	5,177	7.0	34	nw.	31
Wytheville, Va	30.26	87	48	69	280.0	80	2,814	3.8	16	sw.	20

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	51.5	95	21	1.97	2.91	T.				
1892	52.6	89	24	0.83	1.45	0.21	......	......	......	......
1893	54.1	86	16	4.74	7.22	1.00	......	......	......	......
1894	54.4	88	22	2.32	3.85	1.17	......	21	6	4
1895	48.1	89	8	1.29	2.25	0.16	T.	16	8	7
1896	51.0	82	20	2.08	4.37	0.45	T.	22	5	4
1897	58.2	95	22	0.53	2.27	0.07	T.	14	9	8
1898	55.6	95	19	4.84	8.50	2.48	0	18	7	6
1899	56.8	91	19	1.42	3.81	0.23	T.	11	10	10
1900	60.9	97	24	2.33	4.80	1.15	0	15	7	9
1901	54.3	86	19	0.54	1.95	0.12	0	16	8	7
1902	56.5	87	17	2.63	5.50	0.90	0	19	6	6
1903	54.2	96	15	2.55	4.75	0.80	T.	16	8	7
1904	54.5	92	16	1.59	3.02	0.37	T.	17	7	7
1905	54.2	95	19	4.71	8.26	2.46	T.	18	8	5
1906	54.5	86	12	3.09	8.15	1.64	T.	13	8	10
1907	50.3	87	19	2.65	5.12	0.54	1.3	11	6	14
1908	55.1	91	16	1.60	6.88	0.33	0.1	15	9	7
1909	50.0	88	14	2.79	5.27	0.60	T.	18	7	6
1910	58.1	95	15	1.85	2.96	0.80	0.1	16	7	8
1911	56.3	88	23	5.28	9.65	3.27	0.7	18	7	6
1912	55.5	93	20	1.34	3.10	0.20	0	12	7	12
1913	54.5	92	12	4.50	8.11	1.78	T.	18	7	6
1914	57.3	91	14	2.94	6.72	1.37	0.3	12	6	13
1915	56.6	89	20	4.11	5.55	0.74	T.	12	8	11
1916	54.1	97	16	2.38	4.35	0.91	T.	17	7	7
1917	49.2	89	16	4.35	6.49	1.18	T.	19	5	7
1918	58.2	89	24	3.68	7.53	1.59	5.5	15	6	10
1919	62.3	102	28	5.84	11.88	2.13	T.	15	7	9
1920	57.5	90	21	1.15	2.53	0.10	0	9	7	15
1921	53.7	88	21	2.48	5.76	0.30	0.1	22	4	5
1922	55.4	93	18	2.45	4.81	0.39	0.1	18	5	8
1923	52.1	93	12	1.39	2.41	0.65	T.	19	5	7
1924	54.6	87	14	0.40	1.28	0.00	T.	19	5	7
							T.	23	4	4
Means and extremes	54.8	102	8	2.61	11.88	0.00	0.3	16	7	8

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., October, 1924

See temperature and precipitation data in Climatological Tables, Pages 38, 39, and 40

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation	.089	.100	.099	.072	.163	.116	.081	.171	.130	.090	.100	.035	.135	.085	.085	.060	.100	.090	.086	.132	.077	.058	.055	.046	.036	.111	.040	.051	.059	.080	.070	2.702
	Wind movement	93	16	22	9	26	7	24	70	42	27	6	12	22	14	17	8	21	19	16	39	58	50	31	8	18	17	36	28	34	10	17	817

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for October, 1924

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,700	23	49.4	+ 0.6	77	11†	17	23	54	0.78	−2.64	0.38	0	3	25	3	3	w	U. G. Clark.
Brandywine††	Pendleton	.....	8	50.1	.....	80	6	17	23	52	0.75	.....	0.50	0	2	27	0	4	n.	Elmer Keister.
Burlington	Mineral	875	30	56.4	+ 2.5	86	3†	23	22†	55	0.30	−1.97	0.30	0	1	29	0	2	w.	Mrs. Louie Bumphrey.
Harpers Ferry	Jefferson	244	35	.....	.....	.....	.....	.....	.....	.....	1.28	−1.56	0.85	0	3	.....	.....	.....	.....	J. C. Newcomer.
Inwood	Berkeley	569	2	54.8	.....	83	6	29	23	41	0.74	.....	0.72	0	2	26	3	2	se.	H. W. Prettyman.
Martinsburg	Berkeley	435	32	57.2^{a}	+ 2.6	86^{a}	6	30	24	45^{a}	0.76	−1.96	0.26	0	4	24	4	3	se.	Dr. H. S. Gardner.
Moorefield	Hardy	900	28	54.5	− 1.1	87	6	18	23	53	1.05	−1.18	.....	0	2	29	0	2	.....	M. S. Henkel.
Piedmont	Mineral	919	11	53.3	.....	78	6	25	23	39	0.09	.....	0.06	0	2	24	4	3	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	26	54.9^{a}	− 0.3	86^{a}	4	22	23	52^{a}	0.76	−1.74	0.58	0	2	20	10	1	.....	Richard A. Bergdoll.
Stony River Dam	Grant	.....	4	.....	.....	.....	.....	.....	.....	.....	0.22	.....	0.22	0	1	20	6	5	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	25	48.9^{b}	− 6.6	78^{b}	7	20^{b}	23	48^{b}	0.15	−2.05	0.15	0	1	21^{g}	0^{g}	3^{g}	.....	J. M. Mallow.
Wardensville	Hardy	1,200	6	53.8^{a}	.....	82^{a}	12†	21	23	50^{a}	1.04	.....	0.63	0	4	24	5	2	ne	Luther F. Sutton.
Averages and	extremes	.....	.....	53.7	− 0.4	87	6	17	23	55	0.65	−1.87	0.85	0	2	24	4	3	w.	
Northern Division																				
Aberdeen	Upshur	1,060	0	.....	.....	.....	.....	.....	.....	.....	0.22	.....	0.20	0	2	17	10	4	w.	L. Else Bond
Bens Run	Pleasants	622	22	57.6	+ 0.9	82	5†	29	23	43	0.10	−3.01	0.10	0	1	27	2	2	.....	J. D. Riggs.
Benson^{a}	Harrison	1,080	1	53.2	.....	81	3	20	23	50	0.17	.....	0.15	0	2	16	11	3	.....	R. D. Marts.
Brownsville	Lewis	1,032	1	55.0	.....	82	3†	20	23	51	0.37	.....	0.28	0	2	26	2	3	.....	S. L. Montgomery.
Bruceton Mills	Preston	1,549	4	.....	.....	.....	.....	.....	.....	.....	0.34	−3.44	0.17	0	3	13	14	4	ne.	W. M. Wolf.
Buckhannon	Upshur	1,411	27	52.0	− 1.4	75	6	25	23	37	0.38	−3.08	0.20	0	2	23	6	2	.....	H. A. Darnall.
Cairo^{j}	Ritchie	680	25	56.8	0	80	5†	.....	.....	47	0.43	−2.65	.....	0	.....	18	2	1	.....	O. C. Hess
Cheat Bridge	Randolph	3,558	6	43.6^{a}	.....	70^{a}	3†	14	23	46^{a}	0.36	.....	0.24	0	2	27	3	1	.....	H. F. Cromer.
Clarksburg††	Harrison	1,015	2	56.0	.....	82	4†	25	24	46	0.19	.....	0.19	0	1	24	3	4	w.	Clarksburg Water Board.
Cortland	Tucker	3,300	13	.....	.....	.....	.....	.....	.....	.....	0.72	−2.64	0.40	0	2	28	2	1	.....	G. W. Harmon.
Crawford	Lewis	1,087	1	.....	.....	.....	.....	.....	.....	.....	0.23	.....	0.17	0	2	25	4	2	.....	J. Cecil Owens.
Creston	Wirt	701	22	56.2	+ 0.4	83	5	26	24	45	0.20	−2.81	0.10	0	2	25	0	6	sw.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	3	.....	.....	.....	.....	.....	.....	.....	0.21	.....	0.10	0	3	.....	.....	.....	.....	Lockmaster.
Dam 12 O. R.	Ohio	614	8	.....	.....	.....	.....	.....	.....	.....	0.11	.....	0.10	0	2	.....	.....	.....	.....	Lockmaster.
Dam 13 O. R.	Ohio	605	8	.....	.....	.....	.....	.....	.....	.....	0.14	.....	0.08	0	3	.....	.....	.....	.....	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	3	.....	.....	.....	.....	.....	.....	.....	0.24	.....	0.12	0	3	.....	.....	.....	.....	Lockmaster.
Davis	Tucker	3,093	15	.....	.....	.....	.....	.....	.....	.....	0.50	−3.65	0.23	0	3	27	0	4	w.	Ross C. Male.
Elizabeth	Wirt	646	12	.....	.....	.....	.....	.....	.....	.....	0.23	−3.52	0.22	0	2	.....	.....	.....	.....	E. D. Ball.
Elkins	Randolph	1,947	23	52.1	− 0.2	79	3	24	24	44	0.26	−2.17	0.15	0	3	14	9	8	nw.	U. S. Weather Bureau.
Fairmont	Marion	883	18	56.7	− 1.2	82	3†	28	23	43	0.45	−2.29	0.25	0	3	29	0	2	w.	Creed E. Bolyard.
Glenville	Gilmer	738	30	56.0	0	87	16	25	24	45	0.45	−2.60	0.27	0	2	21	8	2	w.	Howard R. Brannon.
Horner	Lewis	1,044	1	.....	.....	.....	.....	.....	.....	.....	0.36	.....	0.26	0	2	29	2	0	.....	Thomas E. Miles.
Janelew(near)	Lewis	1,020	1	55.6	.....	85	2†	22	22	49	0.44	.....	0.19	0	3	27	1	3	nw.	Dan Burkholder.
Lost Creek	Harrison	1,026	26	52.8	− 2.0	78	3†	20	23	50	0.24	−2.49	0.24	0	2	25	4	2	w.	Allen Smith.
Mannington	Marion	974	21	52.6	− 1.9	77	5	23	23	42	0.22	−2.72	0.13	0	3	23	5	3	w.	Jas. A. Morgan.
Morgantown^{a}	Monongalia	1,250	31	55.8	+ 0.3	80	5	26	23	41	0.07	−3.08	0.05	0	2	4	18	8	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	21	54.2	− 1.8	80^{a}	3†	29	2†	41^{a}	0.19	−2.92	0.09	0	3	23	5	3	n.	Fred N. Wilson.
New Cumberland	Hancock	987	26	54.6	+ 0.1	82	5	29	23	41	0.15	−2.84	0.12	0	3	25	4	2	n.	Geo. W. Derouin.
New Martinsville	Wetzel	634	30	56.4	− 0.7	85	6	26	21†	51	0.15	−2.73	0.10	0	2	26	2	3	n.	Wm. Ankrom.
Parkersburg	Wood	638	37	57.6	+ 1.5	81	5	30	24	38	0.25	−2.19	0.18	0	2	21	6	4	se.	U. S. Weather Bureau.
Parsons††	Tucker	1,656	24	51.4	− 1.6	81	3	21	24	49	0.24	−2.64	.....	0	2	23	3	5	.....	J. W. Swisher.
Philippi	Barbour	1,149	27	56.2	+ 1.7	83	3	23	23	41	0.44	−2.44	0.24	0	2	21	6	4	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	21	52.4^{a}	0	82^{a}	3	19^{a}	23	46^{a}	0.62	−3.45	0.25	0	3	27	3	1	w.	Dr. J. L. Cunningham.
Roanoke	Lewis	1,050	1	.....	.....	.....	.....	.....	.....	.....	0.34	.....	0.34	0	2	20	8	3	.....	Miss Mary A. Conrad.
Rowlesburg	Preston	1,375	37	.....	.....	.....	.....	.....	.....	.....	0.57	−2.46	0.32	0	2	.....	.....	.....	.....	J. F. Pierce.
Saint Marys	Pleasants	577	15	.....	.....	.....	.....	.....	.....	.....	0.12	−3.28	0.07	0	2	.....	.....	.....	n.	Wm. Hughes.
Smithfield	Wetzel	835	18	54.9	+ 1.3	82	5†	25	24	46	0.30	−3.13	0.20	0	2	26	3	2	se.	G. M. Whisler.
Terra Alta	Preston	2,612	23	48.5	− 3.4	73	3†	18	23	46	0.50	−3.12	0.22	T.	3	19	7	5	w.	J. J. Shanahan.
Valley Chapel	Lewis	1,011	1	56.0	.....	83	3†	25	23	46	0.27	.....	0.27	0	2	23	6	2	n.	J. C. Campbell.
Vandalia	Lewis	1,120	1	.....	.....	.....	.....	.....	.....	.....	0.42	.....	0.30	0	2	.....	.....	.....	.....	W. S. Linger.
Wellsburg	Brooke	1,225	23	53.4	− 0.7	80	5	25	4	46	0.23	−2.72	0.14	0	3	24	5	2	.....	George P. Pfister.
Weston^{h}	Lewis	1,026	28	53.8	− 1.7	84	14	26	23	47	0.40	−2.71	0.20	0	4	21	8	0	.....	Weston State Hospital.
Wheeling	Ohio	645	37	55.9^{a}	+ 0.3	86^{a}	5	25^{a}	23	45^{b}	0.09	−2.52	0.07	0	3	22	6	3	sw.	Miss M. B. Forsyth.
Averages and	extremes			54.2	− 0.4	87	16	14	23	51	0.30	−2.84	0.40	T.	2	23	5	3	w.	
Southern Division																				
Bancroft	Putnam	574	20	55.8	− 1.6	79	5	30	23†	38	0.61	−2.57	0.53	0	3	22	3	6	sw.	E. H. Morrow.
Beckley	Raleigh	2,440	24	57.4	+ 2.2	80	16	25	24†	40	0.33	−2.44	0.33	0	1	26	3	2	w.	K. E. Williams.
Bluefield	Mercer	2,558	29	58.8^{c}	+ 2.8	83^{c}	11	25^{c}	23	44^{c}	0.43	−2.45	0.39	0	2	25^{h}	2^{b}	2^{b}	.....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	9	.....	.....	.....	.....	.....	.....	.....	0.20	.....	0.20	0	1	17	0	14	s.	Miss Katie Jarvis.
Charleston	Kanawha	597	21	58.4^{c}	− 0.9	84^{c}	5†	29^{b}	24	45^{c}	0.36	−2.49	0.20	0	3	13	0	18	.....	George Huber.
Clay††	Clay	706	8	.....	.....	.....	.....	.....	.....	.....	0.31	.....	0.14	0	3	.....	.....	.....	.....	Ted Thomas.
Dam 19 O. R.	Wood	557	8	.....	.....	.....	.....	.....	.....	.....	0.13	.....	0.10	0	2	.....	.....	.....	.....	Lockmaster.
Dam 20 O. R.	Wood	551	8	.....	.....	.....	.....	.....	.....	.....	0.24	.....	0.24	0	1	.....	.....	.....	.....	Lockmaster.
Dam 26 O. R.	Mason	505	8	.....	.....	.....	.....	.....	.....	.....	0.10	.....	0.10	0	1	.....	.....	.....	.....	U. S. Engineer Office.
Gary	McDowell	1,426	8	57.2	.....	87	6	24	23	49	0.36	.....	0.26	0	2	.....	.....	.....	.....	U. S. Coal & Coke Co.
Green Sulphur Spgs	Summers	1,600	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. H. Gwinn.
Hinton	Summers	1,450	27	58.3	+ 1.7	86	14	28	22	43	0.40	−2.16	0.40	0	2	22	0	9	n.	J. B. Lavender, C. E.
Huntington	Cabell	538	30	56.6	+ 0.4	76	5†	32	23	31	0.30	−2.18	0.30	0	2	29	0	6	.....	L. H. Hutchinson.
Kanawha Falls	Fayette	618	5	.....	.....	.....	.....	.....	.....	.....	0.27	.....	0.12	0	3	.....	.....	.....	.....	J. O. Brown.
Kayford	Kanawha	1,335	8	.....	.....	.....	.....	.....	.....	.....	0.50	.....	0.19	0	.....	.....	.....	.....	.....	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	24	52.4	− 1.2	77	7	18	23	42	1.05	−1.80	0.83	0	2	27	3	1	nw.	Geo. T. Argabate.
Logan	Logan	700	21	.....	.....	.....	.....	.....	.....	.....	0.43	−2.32	0.43	0	1	.....	.....	.....	.....	Geo. R. Travis.
Marlinton	Pocahontas	2,131	25	49.2	− 1.1	72	6†	16	23	42	0.10	−2.89	0.10	0	1	20	10	1	sw.	S. L. Brown.
Organ Cave	Greenbrier	.....	2	.....	.....	.....	.....	.....	.....	.....	1.25	.....	1.21	0	2	.....	.....	.....	.....	D. C. Humphreys.
Point Pleasant	Mason	553	31	.....	.....	.....	.....	.....	.....	.....	0.30	−2.42	0.20	0	3	25	0	6	se.	Miss Grace E. Henson.
Powellton^{e}	Fayette	933	28	62.4	+ 6.5	83	1	32	22	42	0.20	−2.19	0.10	0	2	.....	.....	.....	.....	Elkhorn-Piney Coal Co.
Ravenswood (Dam 22)	Jackson	538	9	57.2	.....	81	6†	27	23	42	0.25	.....	0.25	0	1	24	0	7	ne.	Lockmaster.
Robertsburg	Putnam	574	24	56.1	− 1.3	84	5	27	24	44	0.32	−2.46	0.18	0	3	22	0	9	.....	M. Frazier.
Ryan	Roane	709	21	55.0	+ 0.2	82	5†	20	23	49	0.45	−3.00	0.34	0	3	28	1	2	.....	Wm. E. Ryan.
Sharples	Logan	.....	4	.....	.....	.....	.....	.....	.....	.....	0.28	.....	0.28	0	1	.....	.....	.....	.....	F. H. Locke.
Spencer††	Roane	784	20	52.2	− 3.0	82	14	25	24	44	0.36	−2.85	0.31	0	2	15	14	2	.....	A. M. McKown.
Summersville	Nicholas	1,894	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Cecil Groves.
Sutton	Braxton	839	18	55.6	− 2.9	83	5†	24	24	43	0.00	−3.09	0.00	0	0	31	0	0	.....	C. B. Eakle.
Union^{d}	Monroe	2,250	20	54.5	+ 0.4	86	2	18	23	55	0.89	−1.95	0.59	0	2	21	5	1	.....	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	14	52.2	− 0.8	80^{a}	15†	18	13†	54^{a}	1.25	−2.57	1.00	0	3	27	2	2	.....	E. J. Comar.
Williamson	Mingo	660	24	56.0	− 2.5	81	10	32	24†	32	0.61	−2.15	0.33	0	2	17	7	7	w.	J. F. Keyser.
Averages and	extremes			55.5	+ 0.1	87	6	16	23	55	0.44	−2.42	1.21	.0	2	23	2	6	w.	
State averages and	extremes			54.6	− 0.2	87	6†	14	23	55	0.40	−2.57	1.21	T.	2	23	4	4	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used i determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, a, b, c appearing in the table indicate number of missingdays; for example, b represents two days, etc.

Daily Precipitation for October, 1924

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac	.17																			.23								.38				0.78
Brandywine	do																											.25	.50				0.75
Burlington	do																											.30					0.30
Harpers Ferry ‖	do	.43																											.55	.30			1.28
Inwood	do																												.72	.02			0.74
Martinsburg	do	.06																											.21		.23	.26	0.76
Moorefield	do																											*	1.05				1.05
Piedmont	do																											.03	.06				0.09
Romney	do																											.58				.18	0.76
Stony River Dam‖	do	.22																	T.								T.	T.					0.22
Upper Tract	do																												.15				0.15
Wardensville‖	do	.03																											.63	.20		.18	1.04
Northern Division																																	
Aberdeen	Monongahela	.02																										.20					0.22
Bens Run	Ohio																											.10					0.10
Benson	Monongahela	.02																										.15					0.17
Brownsville	do																					T.						.28	.09				0.37
Bruceton Mills	do	.05					T													T.									.12			.17	0.34
Buckhannon	do																											.20	.18				0.38
Cairo	Little Kanawha						.03																					*	*			.40	0.43
Cheat Bridge ‖	Monongahel	.24																											.12				0.36
Clarksburg	do																											.19					0.19
Cortland	do							.40																				.32					0.72
Crawford	do																											.17	.06				0.23
Creston ‖	Little Kanawha	.10																										T.	.10				0.20
Dam 10, Mon. R.‖	Monongahela	.06																			.05								.10				0.21
Dam 12, O. R.‖	Ohio	.10					.01																						T.				0.11
Dam 13, O. R.‖	do	.08							T.												.03								.03				0.14
Dam 15, Mon. R.‖	Monongahela	.12																			.03								.09				0.24
Davis ‖	do	.22																			.05								.23				0.50
Elizabeth	Little Kanawha	.01																			.22												0.23
Elkins***	Monongahela																			T.								.09	.02			.15	0.26
Fairmont‖	do	.25							T.												.04								.16				0.45
Glenville ‖	Little Kanawha	.18																										T.	.27				0.45
Horner	do																												.26	.10			0.36
Janelew(near)	do																										.19	.10				.15	0.44
Lost Creek	do																											.21	.03				0.24
Mannington	do	.13																		T.								.04	.05				0.22
Morgantown	do																											.05	.02				0.07
Moundsville‖	Ohio	.04																	T.									.06				.09	0.19
New Cumberland‖	do	.02							.12												.01												0.15
New Martinsville	do																											.05				.10	0.15
Parkersburg ***	do							T.																				.07				.18	0.25
Parsons	Monongahela																				*							.24				T.	0.24
Philippi	do																											.20	.24				0.44
Pickens	do	.13																										.24	.25				0.62
Roanoke	do																											.27	.07				0.34
Rowlesburg ‖	do	.25																											.32				0.57
Saint Marys ‖	Ohio	.05																											.07				0.12
Smithfield‖	Fishing Creek	.10																											.20				0.30
Terra Alta	Monongahela	.18																			.10	T.						.22					0.50
Valley Chapel	do																											.20	.07				0.27
Vandalia	do																											.12	.30				0.42
Wellsburg	Ohio	.03																			.14											.06	0.23
Weston	Monongahela	.03																										.20	.16		.01		0.40
Wheeling ‖	Ohio	.07					.01		T.												.01								T				0.09
Southern Division																																	
Bancroft ‖	Great Kanawha	.08																										.23	.30				0.61
Beckley	do																											.33					0.33
Bluefield	do																											.39	.04				0.43
Camden-on-Gauley‖	do																											.20					0.20
Charleston ‖	do	.06																										.10	.20				0.36
Clay‖	do																																......
Dam 19 O. R.‖	Ohio	.03							T.																			T.	.10				0.13
Dam 20 O. R. ‖	do																											T.	.24				0.24
Dam 26 O. R. ‖	do	.10																										T.	T.				0.10
Gary‖	Big Sandy																											.26	.10				0.36
Hinton ‖	do																					T.						.10	.30				0.40
Huntington ‖	Ohio	T.																										.12	.18				0.30
Kanawha Falls‖	Great Kanawha	.05																										.12	.10				0.27
Kayford‖	do	.13																										.19	.18				0.50
Lewisburg	do																				T.							.83	.22				1.05
Logan ‖	Guyandotte																											.43	T.				0.43
Marlinton	Great Kanawha																											.10					0.10
Organ Cave	do																											1.21				.04	1.25
Point Pleasant ‖	Ohio	.10																										.08	.12				0.30
Powellton	Great Kanawha																											.10	.10				0.20
Ravenswood(Dam 22	Ohio																												.25				0.25
Robertsburg ‖	Great Kanawha	.03																										.18	.11				0.32
Ryan	do																											.34	.08			.03	0.45
Sharples ‖	Coal River	T.																				T.						.28					0.28
Spencer ‖	Little Kanawha	.05																										T.	.31				0.36
Sutton	Great Kanawha																																0.00
Union	do																											.30	.59				0.89
White Sulpr. Spgs.‖	do																										.15	1.00				.10	1.25
Williamson ‖	Big Sandy																											.33	.28				0.61

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for October, 1924

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	55	72	76	75	75	75	72	65	63	69	77	77	71	71	70	71	72	71	70	67	60	42	50	59	65	66	64	59	62	67	68	67.0
	Minimum	36	30	30	33	36	41	42	50	26	19	23	27	34	26	31	30	34	33	45	54	24	32	17	21	24	24	38	43	25	25	30	31.7
Brandywine	Maximum	60	64	67	71	70	80	75	72	70	71	75	78	70	68	70	68	72	68	75	72	60	60	50	60	62	65	57	60	70	68	60	67.4
	Minimum	36	30	34	38	40	45	42	38	26	25	26	26	38	29	35	35	36	35	36	38	30	23	17	21	24	27	44	42	36	27	38	32.8
Burlington	Maximum	75	77	86	84	72	74	78	69	65	80	81	84	86	81	85	84	84	85	83	82	70	67	66	75	77	78	77	68	70	74	82	77.4
	Minimum	34	35	38	40	44	42	40	32	32	30	30	32	32	41	30	40	41	46	50	49	31	23	23	26	27	32	31	41	39	34	34	35.5
Inwood	Maximum	61	71	75	71	75	83	77	71	62	70	75	77	76	70	75	75	79	75	77	75	58	49	56	66	68	70	70	61	70	63	59	69.7
	Minimum	45	47	38	40	45	44	48	55	35	30	35	37	35	31	39	41	41	41	43	55	34	31	29	34	35	34	33	48	47	37	49	39.9
Martinsburg§	Maximum	66	76	80	76	84	86	80	71	78	78	82	82	70	75	80	81	82	76	80	75	55	55	62	70	75	76	67	68	61	64	....	73.7
	Minimum	47	39	39	43	43	49	50	50	37	33	38	37	39	33	37	43	44	43	44	55	35	32	32	30	35	35	40	50	48	43	40	40.7
Moorfield	Maximum	67	78	83	79	85	87	82	77	68	74	77	82	76	79	80	79	82	82	81	75	65	55	60	70	72	70	68	62	74	68	68	74.4
	Minimum	40	30	35	38	40	45	49	52	30	29	26	29	37	27	35	27	36	40	38	54	22	33	18	20	25	26	41	42	38	29	41	34.6
Piedmont	Maximum	59	69	73	71	75	78	75	66	62	68	70	75	64	70	70	73	75	73	76	65	52	49	55	64	70	66	54	61	68	58	64	66.7
	Minimum	42	38	39	43	45	49	46	53	35	31	33	36	42	33	40	40	42	43	51	52	31	33	25	32	34	34	40	48	44	35	49	39.9
Romney	Maximum	64	78	81	86	81	85	82	70	69	77	80	82	70	76	80	81	82	81	81	74	52	55	62	70	74	56	53	64	75	60	....	72.7
	Minimum	42	33	35	38	42	48	45	48	30	28	28	33	38	28	33	39	41	41	47	60	28	35	22	26	32	30	44	46	41	33	35	37.1
Upper Tract	Maximum	63	64	68	74	....	77	78	....	76	68	71	....	65	....	72	73	....	....	....	68	65	60	55	55	....	50	50	62	62	62	62	65.2
	Minimum	41	35	31	39	....	43	43	....	28	28	29	....	31	....	31	31	....	....	....	39	25	26	20	22	....	30	25	44	45	32	31	32.6
Wardensville§	Maximum	60	65	69	79	81	72	74	81	77	76	80	82	73	77	79	82	80	82	76	71	60	48	66	77	85	68	60	54	52	61	....	71.6
	Minimum	43	31	39	38	41	42	38	34	31	28	31	32	36	29	36	38	39	41	44	41	28	33	21	30	40	42	42	44	36	28	39	36.0
Northern Division																																	
Bens Run	Maximum	62	75	79	79	82	82	78	68	78	76	76	80	74	78	75	79	80	78	76	69	58	53	60	68	69	71	69	70	72	76	71	72.9
	Minimum	41	39	43	46	49	53	48	56	39	39	39	42	47	40	45	45	46	47	51	52	31	40	29	31	35	35	47	46	35	33	41	42.3
Buckhannon	Maximum	55	67	66	74	74	75	72	65	67	69	70	71	70	70	71	70	72	70	70	65	44	45	49	58	46	68	62	62	63	64	69	64.9
	Minimum	40	35	40	45	42	50	53	54	35	34	34	36	43	38	41	39	42	42	48	42	29	38	25	26	31	32	49	46	35	34	32	39.0
Cairo	Maximum	61	74	77	78	80	80	75	68	72	74	78	77	75	77	75	76	76	78	76	68	58	....	....	....	....	....	....	....	....	....	....	74.0
	Minimum	38	34	37	44	45	51	44	50	35	39	31	36	38	36	40	39	43	42	41	41	26	....	....	....	....	....	....	....	....	....	....	39.5
Clarksburg	Maximum	60	77	81	82	82	82	79	74	70	74	76	80	76	77	76	78	78	76	77	71	61	49	56	65	68	71	68	66	69	76	76	72.6
	Minimum	41	35	39	42	47	50	51	55	38	34	35	37	42	37	42	40	41	45	46	52	28	38	26	25	30	32	47	49	34	30	33	39.4
Creston	Maximum	63	77	80	79	83	82	76	70	75	76	78	78	76	78	77	80	81	80	79	71	64	50	56	66	71	72	59	69	71	76	72	73.1
	Minimum	36	35	38	46	46	51	46	58	37	35	36	37	42	40	42	40	41	41	46	47	29	34	37	26	30	31	48	45	33	31	38	39.4
Elkins	Maximum	55	72	79	74	77	76	72	65	73	72	75	72	70	72	72	72	74	72	73	63	42	42	49	58	67	68	58	61	65	73	72	67.3
	Minimum	35	33	38	47	44	48	54	42	32	34	33	33	40	33	39	38	39	40	43	38	26	29	24	24	28	30	47	44	35	29	47	37.0
Fairmont§	Maximum	62	75	82	81	82	81	72	71	77	79	79	80	77	80	78	77	80	79	76	74	49	50	60	67	70	75	63	67	70	74	72	72.9
	Minimum	39	37	40	48	49	56	49	51	40	36	37	40	42	38	39	44	44	45	45	55	31	33	28	30	33	35	40	47	35	35	34	40.5
Glenville	Maximum	63	72	80	82	86	86	83	72	71	70	68	74	73	74	73	87	89	79	78	82	68	50	50	67	65	71	77	62	61	56	71	72.0
	Minimum	39	37	40	44	47	50	52	55	37	37	38	39	47	41	45	42	43	43	43	47	27	39	28	25	30	31	48	47	36	30	30	39.9
Lost Creek	Maximum	58	73	78	76	78	78	74	70	68	72	73	77	71	76	73	75	78	76	74	70	58	48	57	65	65	69	64	67	69	75	72	70.2
	Minimum	38	30	34	40	44	49	50	53	31	29	28	31	38	32	38	34	37	39	43	47	23	36	20	21	26	27	46	45	29	25	30	35.3
Mannington	Maximum	57	69	75	74	77	76	73	64	69	72	73	75	70	73	71	73	75	73	73	67	58	49	53	62	67	69	59	65	66	70	70	68.3
	Minimum	40	34	37	41	46	46	43	54	33	30	31	35	40	34	38	38	39	40	45	55	27	39	23	25	27	27	40	45	31	28	34	36.9
Morgantown	Maximum	58	72	79	77	80	79	75	65	72	72	75	75	68	....	74	74	76	74	73	69	52	48	53	61	68	69	60	64	67	74	71	69.1
	Minimum	38	38	47	56	54	68	45	50	40	32	34	39	45	....	37	43	47	43	57	51	30	37	26	32	35	36	47	47	41	35	48	42.6
New Cumberland§	Maximum	62	73	80	79	82	75	72	63	69	73	77	77	68	77	70	76	72	79	75	61	47	52	57	63	73	72	68	68	69	73	70	70.1
	Minimum	39	39	43	42	49	55	44	44	36	36	36	39	44	37	40	42	45	40	41	48	31	35	29	31	32	34	35	45	34	32	33	39.0
New Martinsville	Maximum	64	77	80	80	84	85	81	70	79	78	81	82	80	79	76	80	81	81	81	68	62	57	60	69	64	72	66	71	72	79	70	74.5
	Minimum	34	35	40	42	46	51	45	44	36	36	37	37	44	34	42	40	42	44	46	50	26	39	26	26	30	32	44	43	30	28	36	38.2
Parkersburg	Maximum	63	74	77	77	81	80	78	66	70	74	77	79	74	78	74	75	80	78	78	66	50	52	56	66	67	70	58	68	71	72	70	70.9
	Minimum	42	41	46	54	55	56	50	50	45	39	39	43	51	44	47	46	46	47	53	44	37	39	32	30	36	38	52	47	36	37	47	44.2
Parsons	Maximum	57	74	81	79	75	77	73	60	74	76	78	75	75	75	73	75	74	74	70	65	49	43	52	61	65	71	55	62	66	72	72	68.6
	Minimum	36	33	33	34	40	37	50	47	30	27	29	30	43	29	35	35	34	39	39	38	24	35	24	21	26	27	44	44	35	26	35	34.2
Philippi	Maximum	59	75	83	77	80	78	75	69	72	74	75	77	71	76	71	75	77	74	74	69	57	46	53	62	68	71	64	63	67	76	77	70.5
	Minimum	38	38	50	47	51	54	50	52	39	36	39	36	41	39	43	46	42	45	52	52	27	36	23	33	34	37	45	46	38	38	47	41.8
Pickens	Maximum	67	73	82	75	79	77	71	67	67	76	....	73	73	74	72	72	75	72	72	64	54	45	56	59	67	70	62	63	65	73	70	68.8
	Minimum	32	31	45	45	44	46	49	41	31	32	....	31	41	43	40	39	40	41	41	42	23	26	19	23	21	35	43	32	31	35	40	36.1
Terra Alta	Maximum	50	67	73	73	68	68	67	60	60	70	72	68	66	68	67	67	65	68	68	64	57	38	44	60	62	65	60	55	60	63	64	63.1
	Minimum	34	31	31	39	38	45	39	47	33	24	26	31	40	28	34	32	38	34	50	47	25	31	18	26	24	26	35	38	42	27	39	33.9
Wellsburg	Maximum	61	71	78	71	80	76	72	64	67	78	76	79	68	74	74	75	71	75	74	68	50	52	60	62	67	69	61	69	70	72	69	69.5
	Minimum	40	35	37	43	47	55	42	48	32	32	33	44	38	31	35	35	41	38	47	49	28	38	28	25	28	29	36	45	30	29	36	37.4
Weston	Maximum	57	73	78	82	75	82	81	70	75	61	78	....	....	84	70	79	83	67	71	70	60	47	47	53	58	64	64	56	55	62	66	67.9
	Minimum	41	35	39	44	47	51	54	55	36	35	34	....	....	37	42	40	42	42	43	48	29	39	26	27	31	32	50	48	34	31	36	39.6
Wheeling§	Maximum	68	80	84	84	86	84	79	....	72	77	80	82	75	80	78	70	81	80	78	67	47	56	62	70	70	75	58	70	75	74	72	73.8
	Minimum	38	37	40	43	48	53	45	50	....	36	35	37	40	38	38	40	38	40	44	49	30	34	25	28	30	34	35	45	30	30	30	38.0
Southern Division																																	
Bluefield	Maximum	61	78	77	80	....	80	81	80	79	75	83	....	81	80	80	80	80	79	82	81	72	52	55	64	69	....	71	73	72	76	73	74.8
	Minimum	33	34	52	47	....	53	52	55	47	36	72	....	39	44	45	68	45	41	44	42	35	26	25	28	31	....	40	42	38	35	49	42.8
Charleston	Maximum	56	....	....	....	84	82	81	74	79	80	80	80	81	84	79	81	83	82	83	71	60	52	60	68	76	75	57	68	72	83	76	74.5
	Minimum	38	38	....	....	50	54	56	53	43	43	43	42	42	45	48	48	52	46	46	48	31	31	30	29	31	34	37	50	41	39	40	42.3
Gary §	Maximum	62	79	81	81	86	87	78	79	79	76	82	81	79	80	80	82	79	77	78	78	65	51	55	65	73	65	57	65	68	80	75	74.3
	Minimum	34	35	38	42	46	49	51	58	46	41	41	40	45	45	44	44	45	43	39	45	36	28	24	25	27	30	47	49	46	31	32	40.2
Hinton §	Maximum	67	78	79	78	83	80	79	76	77	81	83	83	82	86	80	81	82	83	82	81	59	56	61	70	74	64	56	70	72	76	73	75.2
	Minimum	34	35	40	42	48	48	51	58	45	43	42	42	43	47	46	47	49	46	43	45	35	28	30	29	31	35	40	49	41	36	36	41.4
Huntington §	Maximum	58	69	73	74	76	75	75	69	72	71	73	74	74	75	72	72	75	75	76	69	54	49	55	62	66	67	56	62	66	69	70	68.5
	Minimum	39	40	43	47	55	57	55	55	47	46	43	43	45	49	49	50	49	49	47	50	37	40	32	33	35	37	40	52	40	40	40	44.
Lewisburg	Maximum	58	70	74	72	75	76	77	71	67	72	74	74	74	74	74	74	75	74	75	72	57	51	56	63	66	63	58	63	66	69	66	68.7
	Minimum	35	31	37	42	40	43	52	50	37	31	32	34	41	38	36	38	38	38	36	43	29	19	18	21	26	27	47	48	33	30	47	36.
Marlinton	Maximum	50	64	68	66	70	72	70	68	62	70	72	70	72	70	68	66	70	68	70	66	46	54	50	60	64	60	66	60	58	64	58	64.3
	Minimum	38	30	36	38	42	44	50	44	32	28	30	32	40	36	36	34	38	36	34	42	24	18	16	20	24	30	44	40	30	24	44	34.
Powellton	Maximum	83	74	76	....	....	76	77	72	76	79	75	....	76	77	74	70	78	79	....	78	75	73	70	67	....	70	70	69	68	76	77	74.4
	Minimum	43	53	56	....	....	63	63	48	53	46	64	....	51	54	58	51	50	68	....	50	33	32	33	33	....	49	50	48	45	58	61	50.5
Ravenswood	Maximum	67	74	77	77	79	81	79	72	73	75	78	78	76	79	79	79	81	79	80	76	64	51	57	66	69	72	65	68	71	73	73	73.2
	Minimum	38	37	41	51	51	55	53	54	44	37	36	38	44	41	44	41	43	44	46	45	28	41	27	28	31	33	43	48	34	31	47	41.
Robertsburg§	Maximum	65	70	75	82	84	82	80	78	80	80	79	79	76	80	78	79	82	80	80	70	52	55	60	65	70	72	55	70	72	76	72	73.
	Minimum	36	37	38	40	48	52	45	40	40	36	38	40	44	44	46	42	43	44	44	45	29	32	28	27	30	32	40	42	32	32	35	38.
Ryan	Maximum	62	75	80	78	82	82	78	70	76	77	79	80	78	80	77	78	81	80	80	74	55	48	58	66	71	75	56	68	70	76	74	73.
	Minimum	31	30	35	48	52	49	48	49	35	31	30	33	43	35	47	46	40	36	40	45	25	30	20	21	25	28	49	48	28	28	40	36.9
Spencer §	Maximum	58	45	77	80	79	72	67	77	79	79	79	77	80	82	80	78	62	48	48	62	49	49	42	64	69	72	55	67	72	75	72	67.
	Minimum	37	35	37	41	48	39	36	33	36	40	41	42	41	42	42	44	42	39	31	28	38	32	27	25	27	32	39	48	34	31	34	36.
Sutton	Maximum	65	74	80	81	83	83	75	75	75	74	78	78	77	74	78	75	79	80	80	75	67	52	52	63	71	71	70	71	72	72	70	73.
	Minimum	36	34	38	42	45	48	48	48	38	38	35	35	44	40	40	39	41	40	40	44	27	32	25	24	28	31	49	47	33	29	38	37.9
Union	Maximum	65	86	78	78	....	81	83	80	78	78	80	83	....	80	80	79	77	80	....	80	70	55	57	65	67	....	69	64	67	69	70	74.
	Minimum	33	31	38	42	....	41	51	50	41	31	32	32	....	38	37	37	37	39	....	34	32	19	18	21	25	....	36	46	31	29	43	35.
White Sulphur Spgs§	Maximum	70	72	70	74	78	74	72	74	75	75	79	58	72	80	77	77	79	80	77	58	54	60	62	62	67	53	65	68	58	64	....	69.3
	Minimum	33	36	39	40	40	55	54	34	32	31	32	44	18	26	39	40	38	34	40	28	18	19	21	25	35	42	49	35	28	40	38	34.9
Williamson§	Maximum	47	68	70	73	75	72	74	69	71	81	78	73	74	71	72	73	73	74	73	71	53	47	42	50	64	62	53	60	64	66	70	66.
	Minimum	47	37	41	48	51	56	57	61	53	51	49	46	46	51	51	51	53	51	47	48	40	34	33	32	32	37	43	39	40	39	40	45.

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXII PARKERSBURG, W. VA., NOVEMBER, 1924 No. 11

GENERAL SUMMARY

The temperature for November averaged practically normal, but the precipitation was considerably below the average. The first half of the month was generally fair, warm and dry, a continuation of the pleasant weather that prevailed during October; but the last half was characterized by cloudy and cold weather, with frequent rains and snows, the conditions being in marked contrast with the first fourteen days. However, the good rains near the middle of the month were much needed to supply soil moisture and add to the water supply. The snowfall averaged nearly twice the November average and during the colder periods of the month was a protection for winter grains, which were in good condition at the close of the month. Corn husking was general, with poor to fair yield. Dirt roads were generally soft or frozen rough after the 15th.

TEMPERATURE

The monthly mean for the State, determined from 49 stations, was 42.9°. The departure from the normal for 39 stations having ten or more years of record was +0.2°. The temperature was generally considerably above the normal until the 15th, although practically normal on the 8-10th. The last 16 days were colder than usual, except the 21st-22d. The highest temperatures were recorded on the 5th, 6th, and 7th and the lowest on the 17th, 18th, 19th, and 26th.

PRECIPITATION

The average precipitation for the State, determined from 76 stations, was 2.05 inches. The departure from the normal for 47 stations having ten or more years of record was —0.54 inch. The precipitation was somewhat the heaviest over the mountain and southern counties and lightest over the eastern panhandle counties. Precipitation was quite general on the 7-8th, 14-18th, 21st-24th, and 29-30th, the greatest amounts being recorded on he 15-16th and 22d. In many localities the first snow was observed on the 15th. In the more elevated localities from 1 to bout 4 inches of snow fell from the 15th to the 18th. Light now was also quite general on the 24-25th. Snow was general n the 29-30th, when about one-half of the month's snowfall was received.

MISCELLANEOUS PHENOMENA

Fogs, dense: Charleston, 1st; Marlinton, 7th; Pickens, 8th; Bayard, Cairo, Elkins, Moundsville, and Parkersburg, 10th; Marlinton and Moundsville, 11th; Marlinton, 12th and 13th.

Halos, lunar: Elkins, 6th; Parkersburg, 3d.

Halo, solar: Parkersburg, 5th.

Sleet: Parkersburg, Smithfield, and Upper Tract, 15th; Bens Run, Camden-on-Gauley, and Sharples, 22d; Terra Alta, 23d; Fairmont, 25th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement, miles	Average hourly velocity	Max. velocity: Miles per hour	Direction	Date
Cincinnati, Ohio	30.12	76	59	65	134.8	45	6,220	8.6	33	sw.	27
Columbus, Ohio	30.11	81	66	70	150.2	50	8,025	11.2	38	w.	27
Elkins	30.15	78	61	72	126.6	42	4,103	5.7	26	nw.	16
Lexington, Ky	30.11	80	71	....	97.8	32	9,765	13.6	40	sw.	6
Parkersburg	30.14	74	55	69	97.5	32	4,307	6.0	30	nw.	7
Pittsburgh, Pa	30.12	74	63	66	139.9	47	8,906	12.4	46	nw.	16
Wytheville, Va	30.15	83	61	69	156.9	51	4,924	6.9	29	w.	30

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (inches)	Clear	Partly Cloudy	Cloudy
1891	42.5	80	8	3.04	......	......	......	......	......	......
1892	41.7	81	3	3.10	......		......	......	......	......
1893	41.4	74	3	2.12	3.22	0.47	......	13	6	11
1894	39.8	82	5	2.11	3.47	0.25	......	12	6	12
1895	44.6	87	12	2.35	4.00	0.20	......	12	8	10
1896	48.1	80	10	3.50	5.07	1.56	......	10	8	12
1897	45.0	76	13	4.45	7.15	0.30	......	9	9	12
1898	41.4	75	−3	2.81	4.74	1.00	......	9	11	10
1899	45.6	76	14	1.93	3.49	0.20	T.	11	9	10
1900	45.5	86	9	5.20	8.88	2.71	2.8	8	8	14
1901	38.0	79	7	2.51	5.35	1.23	4.3	8	6	16
1902	50.3	83	12	3.27	4.56	1.23	0.7	11	6	13
1903	38.0	80	−4	2.16	4.98	0.67	4.6	11	8	11
1904	41.2	75	9	0.64	3.05	0.07	1.4	12	7	11
1905	41.8	74	10	2.44	5.67	0.67	T.	13	7	10
1906	44.2	84	13	2.39	5.50	0.35	2.2	15	5	10
1907	41.8	74	13	3.40	7.05	1.41	1.0	10	8	12
1908	43.3	81	0	1.14	2.73	0.48	5.2	15	8	7
1909	49.1	84	12	1.34	3.85	0.23	0.2	14	7	9
1910	37.3	75	5	1.95	4.41	0.66	1.8	8	7	15
1911	40.5	83	7	2.74	5.54	1.27	2.0	10	7	13
1912	42.8	78	2	1.69	4.08	0.40	0.9	14	7	9
1913	44.5	82	−1	4.49	7.50	0.61	13.4	12	5	13
1914	42.6	84	2	1.32	2.27	0.50	2.9	16	6	8
1915	45.2	85	11	3.06	5.99	1.15	1.1	13	8	9
1916	43.8	81	8	1.77	3.07	0.75	0.3	16	5	9
1917	39.6	78	0	0.89	3.65	0.05	1.5	16	4	10
1918	42.9	79	12	1.89	4.60	0.64	0.2	13	5	12
1919	44.4	80	10	4.51	7.53	0.85	0.3	12	6	12
1920	41.6	80	5	3.21	5.69	1.47	4.1	9	4	17
1921	46.1	85	11	5.99	8.81	2.52	0.8	7	6	17
1922	43.8	80	2	1.15	2.49	0.17	1.3	12	4	14
1923	42.3	73	10	3.49	5.35	1.70	0.7	13	3	14
1924	42.9	87	9	2.05	4.11	0.45	4.1	10	6	14
Means and extremes	43.0	87	−4	2.66	8.88	0.05	2.2	12	6	12

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., November, 1924

See temperature and precipitation data in Climatological Tables, Pages 42, 43, and 44

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
larksburg	Evaporation	.180	.045	.095	.125	.065	.070	.075	.110	.014	.024	.055	.034	.022	.079	.002	.017	.090															
	Wind movement	38	66	37	75	13	33	29	106	36	24	22	12	17	89	14	76	78	91	21	83	19	20	115	71	110	32	67	38	94	93	....	1,613

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for November, 1924

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,700	23	38.4	+ 0.2	71	5	14	17†	44	3.11	+0.65	1.19	13.0	8	12	6	12	sw.	U. G. Clark.
Brandywine††	Pendleton	....	8	42.0	....	74	13	14	25	42	1.95	....	1.05	1.0	3	16	0	14	sw.	Elmer Keister.
Burlington	Mineral	875	30	47.2	+ 5.1	80	7	18	20	49	1.00	−0.76	0.50	3.0	4	15	9	6	w	Mrs. Louie Bumphrey.
Harpers Ferry	Jefferson	244	35	....	....	....	....	....	....	....	1.99	−0.25	1.30	....	4	....	....	....	....	J. C. Newcomer.
Inwood	Berkeley	569	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	H. W. Prettyman.
Martinsburg	Berkeley	435	32	45.2^{a}	+ 2.5	78^{a}	1	19	19	43^{a}	1.83	−0.33	1.05	2.0	3	16	11	3	w.	Dr. H. S. Gardner.
Moorefield^{d}	Hardy	900	28	42.4	− 1.3	78	7	12	20	56	1.71	+0.10	0.60	3.5	7	19	2	5	....	M. S. Henkel.
Piedmont	Mineral	919	11	41.5	....	73	7	18	19	37	1.36	....	0.76	5.0	7	10	5	15	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	26	43.0^{b}	+ 0.3	79^{b}	6	17^{a}	19†	46^{c}	1.50	−0.47	0.80	....	2	10	10	10	....	Richard A. Bergdoll.
Stony River Dam	Grant	....	4	....	....	....	....	....	....	....	2.30	....	1.20	8.5	10	7	1	22	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	25	40.6^{h}	− 3.0	67^{h}	1†	15^{b}	30	41^{h}	0.45	−1.08	0.15	....	3	15^{d}	0^{d}	11^{d}	....	J. M. Mallow.
Wardensville	Hardy	1,200	6	45.3^{k}	....	75^{k}	5	15^{j}	26	39^{m}	1.70	....	1.00	1.5	4	9^{j}	7^{j}	4^{j}	sw.	Luther F. Sutton.
Averages and	extremes	....	....	43.0	+ 0.6	80	7	12	20	56	1.70	−0.31	1.30	5.2	5	13	6	11	w.	
Northern Division																				
Aberdeen	Upshur	1,060	0	....	....	....	....	....	....	....	2.10	....	1.09	4.8	11	6	12	12	w.	L. Else Bond
Bens Run	Pleasants	622	22	44.3	+ 1.0	77	7	20	17	43	1.73	−0.82	0.62	4.0	8	14	6	10	....	J. D. Riggs.
Benson^{a}	Harrison	1,080	1	42.5	....	74	6†	13	26†	47	2.09	....	0.85	5.8	15	4	13	12	....	R. D. Marts.
Brownsville	Lewis	1,032	1	43.4	....	75	5†	12	26	43	2.26	....	0.99	6.0	10	10	6	14	....	S. L. Montgomery.
Bruceton Mills	Preston	1,549	4	....	....	....	....	....	....	....	1.67	−0.98	0.31	6.8	12	8	7	15	w.	W. M. Wolf.
Buckhannon	Upshur	1,411	27	41.9	+ 0.5	70	5†	20	20†	42	2.38	−1.08	1.04	4.5	8	11	5	14	....	H. A. Darnall.
Cairo	Ritchie	680	25	42.8	− 1.0	75	6	15	19†	41	2.28	−0.39	0.78	4.2	11	9	3	18	....	O. C. Hess
Cheat Bridge	Randolph	3,558	6	31.9^{a}	....	55^{a}	3†	10	30	39^{a}	2.94	....	1.30	7.5	13	9	10	11	....	H. F. Cromer.
Clarksburg	Harrison	1,015	2	43.4	....	76	5	13	19†	44	1.63	....	0.85	5.5	12	7	7	16	nw.	Clarksburg Water Board.
Cortland	Tucker	3,300	13	....	....	....	....	....	....	....	1.50	−0.80	0.40	8.0	7	12	3	15	....	G. W. Harmon.
Crawford	Lewis	1,087	1	....	....	....	....	....	....	....	2.33	....	0.85	3.9	12	10	8	12	....	J. Cecil Owens.
Creston	Wirt	701	22	44.2	+ 0.5	76	7	16	26	40	1.92	−0.58	0.76	2.5	8	5	1	24	w.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	3	....	....	....	....	....	....	....	1.05	....	0.28	....	10	....	....	....	w.	Lockmaster.
Dam 12 O. R.	Ohio	614	8	....	....	....	....	....	....	....	1.78	....	0.73	....	9	....	....	....	....	Lockmaster.
Dam 13 O. R.	Ohio	605	8	....	....	....	....	....	....	....	1.37	....	0.82	....	9	....	....	....	....	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	3	....	....	....	....	....	....	....	1.48	....	0.45	1.0	12	....	....	....	....	Lockmaster.
Davis	Tucker	3,093	15	....	....	....	....	....	....	....	2.33	−0.64	0.77	8.5	12	13	1	16	w.	Ross C. Male.
Elizabeth	Wirt	646	12	....	....	....	....	....	....	....	2.07	−0.40	0.76	....	11	....	....	....	....	E. D. Ball.
Elkins	Randolph	1,947	23	41.0	+ 0.7	73	6	16	26	42	2.65	−0.21	0.73	6.4	13	6	4	20	w.	U. S. Weather Bureau.
Fairmont	Marion	883	18	42.2	− 0.2	73	6†	20	17†	43	1.47	−1.25	0.51	1.0	11	17	0	13	w.	Creed E. Bolyard.
Glenville	Gilmer	738	30	44.2	+ 0.6	80	7	16	26	47	2.32	−0.66	0.74	5.2	10	9	6	15	w.	Howard R. Brannon.
Horner	Lewis	1,044	1	....	....	....	....	....	....	....	2.57	....	1.05	3.0	9	13	9	8	....	Thomas E. Miles.
Janelew (near)	Lewis	1,020	1	43.4	....	76	4	14	30	49	1.96	....	0.92	6.5	9	10	4	16	sw.	Dan Burkholder.
Lost Creek	Harrison	1,026	26	41.8	− 0.4	73	5†	14	17†	49	1.89	−0.61	0.80	5.5	9	9	2	19	w.	Allen Smith.
Mannington	Marion	974	21	41.6	+ 0.3	73	6†	15	26	40	1.36	−1.14	0.50	2.6	12	9	4	17	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	31	44.4^{a}	+ 1.0	73^{a}	5†	19^{a}	17†	37^{a}	0.84	−2.06	0.29	1.5	7	2^{b}	19^{b}	7^{b}	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	21	41.6^{b}	− 1.6	75^{b}	7	18^{a}	19	41^{c}	1.63	−0.12	0.70	1.0	5	13	7	10	sw.	Fred N. Wilson.
New Cumberland	Hancock	987	26	41.2	− 0.1	75	6	17	19	42	1.67	−0.18	0.63	2.5	8	14	2	14	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	30	44.6	+ 0.1	77	7	16	17†	45	1.48	−1.16	0.80	2.0	6	9	6	15	s.	Wm. Ankrom.
Parkersburg	Wood	638	37	44.6	+ 0.8	75	7	22	18	31	1.67	−1.16	0.80	2.9	10	5	8	17	sw.	U. S. Weather Bureau.
Parsons ††	Tucker	1,656	24	39.8	− 1.1	74	5	14	26	44	2.54	0	....	5.0	5	16	1	13	....	J. W. Swisher.
Philippi	Barbour	1,149	27	44.2	+ 1.1	77	5	17	17	38	2.19	−0.60	0.95	5.0	8	10	2	18	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	21	40.4	− 0.2	71	5	12	29†	44	4.11	+0.26	1.23	24.0	12	10	3	17	w.	Dr. J. L. Cunningham.
Roanoke	Lewis	1,050	1	....	....	....	....	....	....	....	1.81	....	0.93	3.5	10	7	5	18	....	Miss Mary A. Conrad.
Rowlesburg	Preston	1,375	37	....	....	....	....	....	....	....	2.25	−0.83	0.90	7.0	7	....	....	....	....	J. F. Pierce.
Saint Marys	Pleasants	577	15	....	....	....	....	....	....	....	1.95	−0.53	0.78	2.2	10	....	....	....	n.	Wm. Hughes.
Smithfield	Wetzel	835	18	41.2	+ 0.1	76	7	12	17	43	1.42	−1.55	0.61	3.1	11	15	1	14	se.	G. M. Whisler.
Terra Alta	Preston	2,612	23	36.4	− 5.1	69	5	9	19	41	2.71	−0 37	0.88	10.5	9	9	2	19	w.	J. J. Shanahan.
Valley Chapel	Lewis	1,011	1	44.8	....	76	6†	17	26	44	2.09	....	0.94	4.2	10	9	5	16	sw.	J. C. Campbell.
Vandalia	Lewis	1,120	1	....	....	....	....	....	....	....	2.13	....	0.97	....	8	....	....	....	....	W. S. Linger.
Wellsburg	Brooke	1,225	23	41.6	+ 0.3	75	7	15	19	42	2.37	+0.22	0.93	2.0	8	10	6	14	w.	George P. Pfister.
Weston^{f}	Lewis	1,026	28	41.8	− 1.5	71	6	20	18†	39	2.43	−0.80	1.00	5.0	11	12	9	3	....	Weston State Hospital.
Wheeling	Ohio	645	37	41.6	− 0.5	77	7	18	30	47	1.90	−0.53	0.75	1.7	10	11	8	11	w.	Miss M. B. Forsyth.
Averages and	extremes	....	....	42.1	− 0.2	80	7	9	19	49	1.99	−0.70	1.30	4.8	10	10	6	14	w.	
Southern Division																				
Arbovale	Pocahontas	2,737	....	....	....	....	....	....	....	....	2.00	....	0.70	3.0	9	9	7	14	sw.	H. S. Sutton
Bancroft	Putnam	574	20	43.7	− 0.8	76	7	19	26	43	2.01	−0.39	0.65	2.2	14	10	3	17	sw.	E. H. Morrow.
Beckley	Raleigh	2,440	24	42.2	− 0.6	77	10	15	26†	40	1.79	−0.60	1.41	5.0	3	17	1	12	w.	K. E. Williams.
Bluefield	Mercer	2,558	29	49.7^{c}	+ 5.3	83^{c}	8	21^{c}	26	49^{c}	2.10	−0.18	0.79	1.1	8	10^{b}	10^{b}	8^{b}	....	Norfolk & Western Ry
Camden-on-Gauley	Webster	2,062	9	....	....	....	....	....	....	....	2.20	....	1.00	T.	3	1	0	29	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	21	46.4	− 1.8	78	4†	23	17†	46	2.75	−0.22	0.85	1.5	14	9	0	21	....	George Huber.
Clay	Clay	706	8	....	....	....	....	....	....	....	2.50	....	0.64	....	11	....	....	....	....	Ted Thomas.
Dam 19 O. R.	Wood	557	8	....	....	....	....	....	....	....	1.92	....	0.78	....	10	....	....	....	....	Lockmaster.
Dam 20 O. R.	Wood	551	8	....	....	....	....	....	....	....	1.44	....	0.38	....	9	....	....	....	....	Lockmaster.
Dam 26 O. R.	Mason	505	8	....	....	....	....	....	....	....	1.68	....	0.70	....	7	....	....	....	....	U. S. Engineer Office.
Gary	McDowell	1,426	8	45.6	....	78	4	19	26†	47	3.48	....	0.94	0.5	10	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,450	27	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	J. B. Lavender, C. E.
Huntington	Cabell	538	30	44.4	+ 0.8	75	7	24	26†	38	1.89	−0.82	0.82	2.2	10	10	0	20	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	5	....	....	....	....	....	....	....	2.40	....	0.75	....	8	....	....	....	....	J. O. Brown.
Kayford	Kanawha	1,335	8	....	....	....	....	....	....	....	3.01	....	0.79	1.5	14	....	....	....	....	Cabin Creek Con. Coal Co
Lewisburg	Greenbrier	2,200	24	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Geo. T. Argabate.
Logan	Logan	700	21	....	....	....	....	....	....	....	2.05	−0.82	0.70	....	7	....	....	....	....	Geo. R. Travis.
Marlinton	Pocahontas	2,131	25	37.2	− 0.6	66	4†	12	20†	38	3.11	+0.37	0.89	5.0	9	7	15	8	nw.	S. L. Brown.
Organ Cave	Greenbrier	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	D. C. Humphreys.
Point Pleasant	Mason	553	31	45.2	+ 0.2	79	7	17	18	39	1.95	−0.80	0.72	2.5	10	11	0	19	sw.	Miss Grace E. Henson.
Powellton	Fayette	933	28	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Elkhorn-Piney Coal Co.
Ravenswood (Dam 22)	Jackson	538	9	45.0	....	76	7	18	17	41	2.05	....	0.75	3.5	9	11^{a}	0^{a}	18^{a}	sw.	Lockmaster.
Robertsburg	Putnam	574	24	43.1	− 0.1	76	7	19	26	41	2.06	−0.31	0.81	4.0	9	12	0	18	....	M. Frazier.
Ryan	Roane	700	21	43.2	+ 0.3	76	7†	14	26	46	2.41	−0.07	0.69	3.4	12	10	6	14	....	Wm. E. Ryan.
Sharples	Logan	....	4	....	....	....	....	....	....	....	2.12	....	0.60	0.2	5	....	....	....	....	E. H. Locke.
Spencer††	Roane	784	20	45.5	+ 2.1	77	1	18	26	40	2.14	−0.34	0.83	6.0	9	0	12	15	....	A. M. McKown.
Summersville	Nicholas	1,894	0	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Cecil Groves.
Sutton	Braxton	839	18	44.2	+ 0.4	71	2†	17	20	47	2.69	−1.27	0.72	7.0	8	19	0	11	....	C. B. Eakle.
Union	Monroe	2,250	20	44.8^{e}	+ 3.8	87^{e}	4	13^{e}	26	44^{e}	2.93	+0.94	1.00	0.4	7	8^{f}	6^{f}	10^{f}	....	W. M. H. Young.
White Sulphur Springs	Greenbrier ††	1,940	14	42.8^{a}	0	76^{a}	6	13	19	48^{a}	1.24	−0.86	0.80	4.0	6	11	8	11	....	E. J. Comar.
Williamson	Mingo	660	24	41.6	− 0.6	70	4†	24	27	36	2.51	−0.08	0.58	T.	11	9	10	11	w.	J. F. Keyser.
Averages and	extremes	....	....	44.2	+ 0.5	87	4	12	20	49	2.29	−0.33	1.41	2.4	9	10	4	16	sw.	
State averages and	extremes	....	....	42.9	+ 0.2	87	4	9	19	56	2.05	−0.54	1.41	4.1	9	10	6	14	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for November, 1924

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard	Potomac									.12					.32		1.02	T.	T.	.11			1.19	T.	.23	T.				.09	.03		3.11
Brandywine	do															.80			.10				1.05		T.					T.	T.		1.95
Burlington	do											.30				.16							.50							T.	.04		1.00
Harpers Ferry ‖	do		.10							.01							.58					1.30											1.99
Inwood	do																																
Martinsburg‖	do									.03	T.				T.		.75	T.					1.05						T.				1.83
Moorefield	do	.11								.17						.60			.08			.54						.13			.08		1.71
Piedmont	do									.14					.01	.76	.07						.25		.01						.12		1.36
Romney	do															.80						.70									T.		1.50
Stony River Dam‖	do	.19								.05					.26	.05	.30		.08				1.20	.04						.09	.04		2.30
Upper Tract	do									.15							.15						T.							.15	T.		0.45
Wardensville‖	do									.08	T.					.30	.32					1.00								T.	T.		1.70
Northern Division																																	
Aberdeen	Monongahela	.14							.04	.10						1.09	.02	.02	.10				.35		.09					.05	.10		2.10
Bens Run	Ohio								.08						.20	.28			.10			.18	.62		.15						.12		1.73
Benson	Monongahela	.20							.08	.07	.01				.05	.85	.02	.02	.11				.46	.03	.05	.02				.02	.10		2.09
Brownsville	do	.13							T.	.13					.12	.99	.04		.10				.46	T.	.05					.10	.14		2.26
Bruceton Mills	do								T.	.15				.03	.30	.31	.04	.07	.02				.31	.02	.10	T.				.03	.29		1.67
Buckhannon	do									.33						1.04	.06		.05	T.		T.	.50	T.	.10					.05	.25		2.38
Cairo	Little Kanawha								.05	.04			T.		.18	.60	.02		.14			.10	.78		.02					.10	.25		2.28
Cheat Bridge ‖	Monongahel	.32								.40					.06	.18	.33	.05	.03				1.30	.07	.03	.02			T.	.13	.02		2.94
Clarksburg	do	.16							.04	.05					.09	.76	T.	.04	.05				.32	.01	.02				T.	.01	.08		1.63
Cortland	do	.24							.20				.10		.24								.40	.08							.24		1.50
Crawford	do	.19							.02	.30					.14	.85	.03	.11	.14				.41			.04				.02	.08		2.33
Creston ‖	Little Kanawha	.21							T.	.10	T.				T.	.21	.43	T	.10				.76	T.	.05	T				T.	.06		1.92
Dam 10, Mon. R.‖	Monongahela	.11								.03	.02				.17		.28	.05					.23	.10	.03					.03	T.		1.05
Dam 12, O. R.‖	Ohio	.09												T.	.73			.03	.01					.45	.35	.01				.08	.03		1.78
Dam 13, O. R.‖	do	.09													.82	.02								.05	.28	.02			.02	.04	.03		1.37
Dam 15, Mon. R.‖	Monongahela	.12							.02	.03					.12		.45	.06	.04	T.			.31	.08	.11	.12					.02		1.48
Davis ‖	do	.21								.16					.18	.08	.38	.04	.04				.77		.12	.09		T.		.12	.14		2.33
Elizabeth	Little Kanawha	.20							.03		.05					.46	.12		.24				.76	.03	.01					.09	.08		2.07
Elkins***	Monongahela								.22	.15				T.	.08	.73	.06	.05	.04			.62	.12	.04	.04	T.			T.	.26	.24		2.65
Fairmont‖	do	.11							.03	.08				T.	.14		.51	T.	.05				.35	.06	.04	.05	T.	T.	T.	T.	.05		1.47
Glenville ‖	Little Kanawha	.15							T.	.16				T.	.08	.74		.06	.24				.63	.07	T.					.07	.12		2.32
Horner	do	.13							.05	.08						1.05		.26					.64		.11					.05	.20		2.57
Janelew(near)	do							.05	.10					.09	.92			.16				.35		.09						.12	.08		1.96
Lost Creek	do	.20							.03	.02					.04	.80	T.	T.	.11				.44	T.	.05	T.		T.		T.	.20		1.89
Mannington	do	.11							.03	.04					.10	.34	.02		.03				.43	.07	.06			T		.05	.08		1.36
Morgantown	do														.10	.29	.05		T.				.25	.02	.05					T.	.08		0.84
Moundsville‖	Ohio													.55								.70	.04	.30					T	T.	.04		1.63
New Cumberland‖	do	.10							.05						.63		T.		.02				.46	.06	.20					.15			1.67
New Martinsville	do														.30	.05						.10	.80		.15					T.	.08		1.48
Parkersburg ***	do	T.						.05	T.				T.	.10	T.	.41	T.	.11				.77	.03	.04	.05				.01	T.	.10		1.67
Parsons	Monongahela									*						.16				T.			2.20	T.	T.					.18			2.54
Philippi	do	.50								T.					.13	.95	.04	T.	.07			T.	.38	.04	T.				T		.08		2.19
Pickens	do	.31							.11	.55					.08	.61	.08		.16			*	1.23	.08	T.					.50	.40		4.11
Roanoke	do	.14							.02	.18					.05	.93	T.	.05	.08				.09	T.						.12	.15		1.81
Rowlesburg ‖	do	.22													.22	T.	.90						.53		T.	.08				.10	.20		2.25
Saint Marys ‖	Ohio	.20							.10					T.	.18	.18	.22		.09				.78	T.	.12	T.				.04	.04		1.95
Smithfield‖	Fishing Creek	.14							.10	.05					.14	T.	T.	.05	.03				.61	.08	.08					.02	.12		1.42
Terra Alta	Monongahela	.22							T.	.10				T.	.16	.88	T.						.56	.02	.65	T.				.08	.04		2.71
Valley Chapel	do	.16							.01	.13						.94		.02	.12				.50		.10					.04	.07		2.09
Vandalia	do	.15								.25						.03	.97		.10				.43							.05	.15		2.13
Wellsburg	Ohio	.03												.42	.40		T.		T.				.90	.03	.43			T.		.10	.06		2.37
Weston	Monongahela	.13							.03	.12	.03					1.00	.10		T.			.15	.55		.12					*	.20		2.43
Wheeling ‖	Ohio	.08						T.						T.	.75			.03	.01				.48	.06	.37	.01	T.		T.	.08	.03		1.90
Southern Division																																	
Arbovale	Great Kanawha	.05								.50						.50	T.	.04	.12				.70	.02	.02			T.		.05			2.00
Bancroft ‖	do	.12							.06	.15				.03	.04	.18	.34		.17				.65	.08	.02	.02				.07	.08		2.01
Beckley	do															1.41		.24													.14		1.79
Bluefield	do										.54				.12	.55	.01		.01				.79		.03					.05			2.10
Camden-on-Gauley‖	do								.40							1.00			T.	T	T.		.80							T.	T.		2.20
Charleston ‖	do	.07							.12	.68				.01	.05	.05	.50		.20				.85	.05	.01	.02				.10	.04		2.75
Clay ‖	do	.15								.50					.07	.10	.43		.22				.64	.14	.05					.06	.14		2.50
Dam 19 O. R. ‖	Ohio	.16							.08	T.			T.		.08	.16	.38	T.	.12				.78	.03	.09					T.	.04		1.92
Dam 20 O. R. ‖	do	.23							.05						.12	.25	.38		.20					.07	.09						.05		1.44
Dam 26 O. R. ‖	do	.12														.20	.35		.15				.70	.06							.10		1.68
ary‖	Big Sandy	.02								.80					.08	.09	.56		.09				.80	.94	.07					.03			3.48
Hinton ‖	do	.06								.86					T.	.04	.44		.06				.48										‡‡‡
Huntington ‖	Ohio	.10							T.	.16			T.		.10	.30	.22		.07				.80	.02						.08	.04		1.89
anawha Falls‖	Great Kanawha									.75					.08	.06	.50	T.	.15				.70							.10	.06		2.40
ayford‖	do	.10							.02	.79	.02				.08	.04	.49		.24				.77	.15	.02	.02				.19	.08		3.01
ewisburg	do																																
ogan ‖	Guyandotte	T.								.70						.07	.35		.02				.68	.12		T.				.11	T.		2.05
arlinton	Great Kanawha	.10							.16	.64						.66	.16	.30	T.				T.	.86	.03					T.	.20		3.11
rgan Cave	do																																
oint Pleasant ‖	Ohio	.12							T.	.04					.10	.20	.20		.23				.72	.12	.12					T	.10		1.95
avenswood(Dam 22	Ohio	.30								.05						.10	.50		.05				.75	.10	.10					T.	.10		2.05
obertsburg ‖	Great Kanawha	.20							.07	.16						.30	.25		.15				.81	.07							.05		2.06
an	do	.09							.07	.30			.01	.01	T.	.69			.18			.29	.57		.02					.03	.15		2.41
arples ‖	Coal River								.60						T.						.60	.42	.48							T.	.02		2.12
encer ‖	Little Kanawha	.14													T.	.22	.43		.16	.16	T.		.83	.10	T.	T.			.05	.05			2.14
tton	Great Kanawha	.21							T.	.55						.70	T.		.16	T.			.72		.13					.10	.12		2.69
ion	do										.67					.43			1.00	.10			.67		.05					.01			2.93
ite Sulpr. Spgs.‖	do															.08		.20				.80	.04	.08						.04			1.24
lliamson ‖	Big Sandy	.25							T.	.48					.05	.06	.35		.03				.58	.53	.03	.03				.12	T.		2.51

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

‡‡‡ Probably incomplete.

Daily Temperatures for November, 1924

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	66	60	58	63	71	70	68	64	43	52	57	59	58	61	42	40	36	25	31	50	55	52	36	37	34	42	44	41	39	25	....	49.3
	Minimum	35	32	25	32	27	30	35	37	34	28	19	30	39	40	32	31	14	14	22	23	30	35	29	31	26	20	17	19	20	16	....	27.4
Brandywine	Maximum	70	60	62	70	69	65	67	60	65	68	65	72	74	65	52	57	42	40	50	52	55	52	50	46	44	45	47	45	40	30	....	56.0
	Minimum	34	24	22	32	30	35	37	35	40	39	29	30	40	34	28	25	18	19	15	24	26	38	35	36	14	16	21	22	21	18	....	27.9
Burlington	Maximum	76	74	61	60	62	76	80	78	74	71	68	70	68	66	61	65	60	60	59	65	69	62	62	55	56	52	56	51	54	47	....	64.0
	Minimum	39	35	29	28	32	40	31	32	32	32	31	32	32	32	31	32	25	23	21	18	28	41	38	36	34	21	22	26	32	25	....	30.3
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Martinsburg§	Maximum	78	69	70	76	63	74	77	56	45	56	59	69	69	58	44	55	37	37	44	64	61	52	48	56	50	50	50	53	41	....	....	57.3
	Minimum	38	38	34	39	37	37	42	43	37	32	35	34	36	45	40	30	20	23	19	21	23	31	40	36	37	24	30	37	35	24	....	33.2
Moorfield	Maximum	72	73	62	74	67	77	78	73	57	55	....	....	....	....	52	55	46	35	43	68	63	58	50	51	46	50	52	52	48	40	....	57.6
	Minimum	35	32	23	29	28	35	36	42	34	35	....	....	....	....	29	25	16	19	16	12	24	36	33	32	31	13	24	22	25	19	....	27.1
Piedmont	Maximum	64	65	60	67	58	72	73	68	44	45	58	60	53	60	46	45	36	29	38	56	55	50	42	42	39	45	48	45	29	29	....	50.7
	Minimum	42	39	32	33	33	35	40	44	35	37	32	36	44	45	33	33	22	21	18	26	31	40	35	35	31	22	24	25	25	22	....	32.3
Romney	Maximum	72	67	65	73	65	79	77	52	42	54	61	65	49	65	52	49	35	29	61	64	62	49	42	50	42	....	53	52	35	....	....	55.8
	Minimum	38	35	30	30	31	33	37	41	35	37	35	31	34	37	31	31	22	21	17	17	28	30	37	33	34	21	....	21	27	21	....	30.2
Upper Tract	Maximum	67	67	....	67	66	....	....	66	....	62	63	64	67	66	....	50	55	....	38	44	58	58	58	....	50	52	42	....	34	32	....	55.7
	Minimum	37	38	....	26	26	....	....	40	....	35	32	30	34	35	....	19	19	....	16	17	19	22	35	....	17	17	16	....	18	15	....	25.6
Wardensville§	Maximum	....	58	70	72	75	74	67	51	52	55	70	68	65	61	50	....	....	....	....	....	....	....	....	....	65	50	50	44	32	....	....	59.4
	Minimum	31	....	32	34	36	38	41	32	35	36	38	29	39	31	32	27	....	....	....	....	....	....	....	....	....	15	20	27	31	21	....	31.2
Northern Division																																	
Bens Run	Maximum	65	65	63	70	73	75	77	72	72	70	72	74	67	69	48	47	42	41	33	54	50	52	52	46	41	49	47	44	43	29	....	56.7
	Minimum	46	37	28	38	31	46	42	31	34	36	32	31	32	43	34	35	20	22	21	23	30	40	36	36	29	21	29	26	25	22	....	31.9
Buckhannon	Maximum	64	60	68	60	70	66	70	60	50	59	66	68	68	66	47	48	37	35	37	53	62	52	40	44	38	43	47	44	40	30	....	53.1
	Minimum	34	38	26	33	38	39	40	41	39	29	28	30	35	40	33	35	22	25	25	20	28	32	33	35	25	20	26	26	24	21	....	30.7
Cairo	Maximum	70	64	68	70	72	75	72	71	52	59	70	60	64	54	40	49	38	35	34	52	58	45	43	45	39	47	48	45	41	31	....	53.7
	Minimum	45	40	30	40	46	60	54	36	38	28	29	40	38	37	31	28	17	24	15	17	25	38	36	38	24	15	25	19	25	21	....	32.0
Clarksburg	Maximum	68	68	66	69	76	74	75	71	52	64	72	69	67	68	50	47	42	32	33	56	61	60	41	43	38	49	48	47	43	29	....	55.9
	Minimum	43	34	24	33	38	40	37	42	40	32	28	39	45	46	33	35	18	24	13	13	26	39	34	37	31	16	24	21	24	21	....	31.0
Creston	Maximum	69	67	63	70	72	75	76	72	53	65	72	65	67	70	50	51	45	40	37	56	60	54	46	46	40	50	49	47	44	31	....	56.7
	Minimum	41	31	25	32	35	38	38	37	40	32	32	43	50	48	33	30	18	24	20	18	32	40	37	38	31	16	24	20	26	22	....	31.7
Elkins	Maximum	62	64	65	66	72	73	71	55	48	61	70	62	67	65	41	45	33	30	32	57	60	43	40	40	33	46	46	44	32	27	....	51.7
	Minimum	35	31	24	40	37	49	36	40	37	29	28	38	46	41	33	27	20	24	21	17	23	35	31	33	23	16	29	26	18	18	....	30.3
Fairmont§	Maximum	67	68	59	72	72	73	73	45	49	68	68	62	61	48	38	47	35	31	31	56	59	43	40	41	32	47	47	45	32	29	....	51.3
	Minimum	42	44	27	29	41	43	45	42	40	34	36	46	45	46	37	33	20	20	21	22	25	34	33	34	30	22	24	27	27	21	....	33.0
Glenville	Maximum	71	73	70	72	75	75	80	75	52	56	61	63	66	65	53	44	56	34	37	43	58	59	46	45	42	47	49	53	43	31	....	56.5
	Minimum	41	43	23	30	36	37	35	43	40	36	29	39	50	47	33	33	22	25	19	18	26	40	36	38	31	16	24	19	26	23	....	31.9
Lost Creek	Maximum	66	66	60	68	73	73	73	67	62	63	70	60	68	67	44	48	39	30	30	55	60	58	41	45	39	49	48	46	41	27	....	54.5
	Minimum	39	33	20	33	34	43	35	40	38	30	21	37	40	44	30	32	14	22	14	15	25	38	30	35	29	15	20	20	25	20	....	29.0
Mannington	Maximum	66	64	56	67	72	73	73	70	51	59	66	60	62	64	44	48	37	33	33	53	58	57	41	44	38	45	47	44	41	29	....	53.2
	Minimum	44	32	22	30	33	38	35	40	39	30	26	37	44	44	33	35	17	23	16	19	25	40	33	35	31	15	22	19	26	21	....	30.1
Morgantown	Maximum	67	55	69	67	73	72	73	....	48	65	70	63	63	63	41	45	35	32	33	55	60	60	41	43	39	46	46	44	41	27	....	53.0
	Minimum	43	27	39	45	48	60	61	....	39	28	39	53	52	40	32	33	19	21	22	29	42	37	33	34	29	24	35	29	25	19	....	35.8
New Cumberland§	Maximum	71	52	57	64	72	75	74	50	59	60	67	59	61	47	52	43	36	35	39	60	57	52	41	40	32	47	44	43	31	27	....	51.6
	Minimum	45	41	27	30	32	37	51	39	32	29	32	33	37	38	30	36	22	18	17	18	31	38	34	32	29	23	27	31	21	18	....	30.9
New Martinsville	Maximum	67	67	60	72	73	75	77	70	77	64	73	73	73	67	46	45	45	41	34	55	60	54	55	60	59	42	48	45	45	30	....	58.4
	Minimum	45	35	22	32	35	41	40	37	38	29	28	45	43	41	33	36	16	21	16	21	27	39	33	33	28	17	26	24	24	20	....	30.9
Parkersburg	Maximum	64	64	61	70	72	75	75	48	54	60	69	60	66	60	42	50	35	37	35	55	60	46	45	47	37	49	48	44	33	30	....	53.0
	Minimum	45	38	30	50	46	60	48	39	36	30	44	54	51	42	34	31	24	22	23	27	36	38	37	35	30	26	35	31	24	23	....	36.3
Parsons	Maximum	63	63	61	66	74	72	70	50	52	70	68	65	66	58	43	45	32	29	32	55	60	47	38	43	36	45	46	43	38	26	....	51.9
	Minimum	38	27	21	30	35	34	34	35	35	28	24	36	35	35	32	31	16	21	23	15	25	35	31	33	24	14	20	22	22	16	....	27.6
Philippi	Maximum	72	65	60	68	77	72	73	68	48	66	72	63	67	67	45	46	40	31	33	55	61	58	40	44	38	48	47	45	43	40	....	55.1
	Minimum	44	43	25	42	43	51	46	38	36	28	29	48	46	42	32	32	17	22	24	25	36	36	31	34	28	21	34	21	20	18	....	33.4
Pickens	Maximum	63	64	64	70	71	70	67	63	47	65	70	57	65	65	47	43	31	45	28	53	55	47	36	43	33	43	42	41	35	35	....	51.9
	Minimum	36	32	20	40	41	46	49	38	39	24	34	42	43	34	28	27	21	22	18	17	31	29	27	29	16	13	23	23	12	12	....	29.0
Terra Alta	Maximum	56	58	48	60	69	65	66	62	40	45	58	50	54	51	38	35	31	22	27	46	52	50	33	32	32	37	40	35	33	22	....	44.9
	Minimum	41	40	24	42	28	28	47	34	31	26	27	35	44	37	30	28	12	14	9	23	32	32	27	27	22	20	27	18	18	14	....	27.9
Wellsburg	Maximum	65	60	54	65	71	74	75	73	58	59	68	63	59	62	46	43	37	35	37	53	59	54	43	40	38	46	45	40	37	28	....	52.9
	Minimum	43	41	25	43	29	39	40	40	27	29	28	45	40	42	30	31	21	20	15	22	27	39	27	32	28	18	21	27	21	17	....	30.3
Weston	Maximum	66	58	63	61	66	71	70	68	49	60	....	....	67	....	36	41	....	30	33	....	60	60	....	40	40	40	45	45	43	27	....	51.6
	Minimum	46	36	26	37	39	45	41	42	39	33	....	....	29	....	32	35	....	20	20	....	21	39	....	40	32	20	26	23	25	21	....	32.0
Wheeling§	Maximum	70	66	59	73	72	76	77	45	61	66	70	60	62	49	44	43	34	40	41	58	59	45	42	43	33	49	45	43	38	28	....	53.0
	Minimum	40	37	25	26	35	39	45	40	29	30	30	32	44	40	32	33	19	20	19	19	29	35	33	34	28	21	25	28	22	18	....	30.2
Southern Division																																	
Bluefield	Maximum	76	82	82	82	80	79	81	83	....	70	74	80	76	81	62	55	56	47	38	61	61	55	....	41	42	49	48	49	42	....	....	64.1
	Minimum	41	42	33	51	41	40	43	50	....	37	34	37	48	53	37	32	25	27	29	29	37	32	....	32	28	21	25	26	22	....	....	35.3
Charleston	Maximum	71	73	70	78	76	75	78	50	50	76	59	76	55	56	48	56	42	35	39	60	64	46	53	49	42	53	52	50	35	38	....	58.1
	Minimum	46	38	30	32	40	40	42	43	42	38	39	46	46	42	42	32	23	25	27	28	29	36	38	38	33	23	24	26	28	24	....	34.7
Gary §	Maximum	71	72	77	78	75	77	77	60	55	62	77	59	77	60	50	56	48	38	44	48	64	42	57	51	42	54	59	51	38	38	....	58.2
	Minimum	41	32	30	31	35	35	36	39	48	36	35	36	40	52	49	31	28	28	33	24	23	32	35	38	33	19	19	25	25	25	....	33.1
Hinton §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Huntington §	Maximum	62	68	62	71	71	72	75	47	52	57	68	59	68	52	44	52	40	38	40	55	60	45	48	48	40	47	49	46	34	35	....	53.5
	Minimum	45	39	32	33	41	41	45	41	41	38	39	41	54	50	40	35	26	27	27	25	25	37	33	38	31	24	24	30	28	25	....	35.3
Lewisburg	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Marlinton	Maximum	60	60	62	66	62	64	66	58	41	50	56	56	60	56	40	42	36	30	32	50	50	46	40	40	34	38	38	38	34	24	....	47.7
	Minimum	36	24	24	28	30	26	34	42	36	38	36	30	42	34	32	24	20	22	20	12	22	20	30	34	26	12	16	16	18	18	....	26.7
Powellton	Maximum	66	68	60	68	75	75	79	70	68	60	70	62	69	67	68	55	45	43	42	56	60	56	48	49	41	52	41	49	40	32	....	57.9
	Minimum	51	52	35	35	36	44	41	35	40	32	35	38	50	39	32	31	19	17	19	21	30	39	35	37	30	20	18	25	22	21	....	32.6
Ravenswood	Maximum	65	64	67	70	72	74	76	74	55	63	70	70	66	69	50	52	46	36	37	56	60	53	45	46	41	50	49	45	43	30	....	56.5
	Minimum	41	40	26	31	38	50	45	37	40	30	43	48	49	47	33	29	18	25	19	22	36	40	36	38	31	20	20	22	26	22	....	33.4
Robertsburg§	Maximum	68	69	66	72	74	74	76	49	58	67	73	60	70	52	38	52	44	41	36	59	62	44	50	46	40	52	49	45	32	33	....	55.0
	Minimum	40	34	25	32	35	39	40	40	40	32	35	37	48	46	35	31	22	20	22	23	24	32	32	36	30	19	20	22	25	21	....	31.2
Ryan	Maximum	74	73	56	73	75	75	76	65	53	65	76	60	70	70	48	44	48	36	35	57	61	50	50	48	40	50	50	47	42	35	....	56.7
	Minimum	40	28	22	28	31	35	34	38	41	31	30	40	50	42	33	27	16	24	19	16	26	40	40	35	26	14	20	15	26	21	....	29.6
Spencer §	Maximum	77	70	70	71	72	72	72	73	74	74	74	74	71	52	42	55	39	37	35	56	55	46	46	46	40	57	49	47	32	29	....	56.9
	Minimum	42	34	35	58	36	37	40	40	31	45	47	47	49	48	35	32	19	20	22	20	30	36	36	38	31	18	25	22	25	22	....	34.1
Sutton	Maximum	70	71	71	68	70	71	71	71	60	61	70	70	60	63	63	48	47	42	35	56	63	63	50	48	66	66	48	48	45	32	....	58.9
	Minimum	43	30	24	29	25	37	35	37	36	34	28	33	36	31	33	30	20	24	20	17	27	37	35	33	30	30	28	20	24	20	....	29.6
Union	Maximum	72	....	69	87	77	73	71	72	....	57	61	62	67	69	59	....	50	42	37	57	60	60	....	49	48	43	45	46	47	....	....	59.2
	Minimum	35	....	25	34	33	31	34	49	....	34	29	32	39	53	40	....	22	24	27	16	26	36	....	32	30	13	20	19	24	....	....	30.3
White Sulphur Spgs§	Maximum	72	66	74	74	75	76	70	64	54	68	62	68	64	65	45	38	42	36	54	50	46	62	56	48	60	46	46	40	....	....	....	57.1
	Minimum	25	22	26	32	30	34	40	40	40	40	33	40	45	44	32	22	20	22	13	19	31	35	37	33	15	14	20	16	19	....	....	28.4
Williamson §	Maximum	63	65	63	70	66	68	70	50	50	60	66	55	69	59	45	50	44	36	39	50	58	43	50	47	39	40	48	45	32	38	....	52.7
	Minimum	44	39	31	34	36	40	43	44	45	41	40	46	48	53	46	34	31	31	33	28	28	35	38	38	35	25	24	30	28	27	....	36.6

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

UNIVERSITY OF ILLINOIS
FEB 11 1925
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXII Parkersburg, W. Va., December, 1924 No. 12

GENERAL SUMMARY

The temperature for December averaged practically normal, the State mean being only 0.2° below the average for 33 years. The month, however, was mostly moderately warm during the first two decades but unusually cold during the last decade. From the 25th to the 29th the morning temperatures were near zero or slightly below in most localities. The day temperatures were also low during that period. The precipitation was generally considerably below normal, except in some of the southern counties, where the amounts were slightly in excess. The snowfall was exceptionally light, the State average being only 1.7 inches, the least for any December of State record, except in 1900 and 1911. The rivers were low. Navigation on the Ohio River was practically suspended after the 25th to the close of the month. Winter grains were in good condition until the 20th, but were damaged during the period of low temperature, owing to lack of snow-cover.

TEMPERATURE

The monthly mean for the State, determined from the records of 52 stations, was 33.1°. The departure from the normal for 38 stations having ten or more years of record was —0.2°. The month opened cold and the temperature was somewhat below the normal on the 10-11th and 14-15th, and much below the normal from the 20th to the 30th, the lowest temperatures being generally recorded on the 26th and 29th. Moderately warm weather prevailed from the 5th to the 9th and the 16th to the 19th, with the highest temperatures occurring generally on the 17th and 18th.

PRECIPITATION

The average precipitation for the State, determined from the records of 76 stations, was 2.58 inches. The departure from the normal for 46 stations having ten or more years of record was —0.79 inch. The precipitation was lightest over the eastern panhandle counties and heaviest over the southern counties. Precipitation was general from the 4th to the 9th and on the 12-3th, 17-18th, 20th, 24th, and 30th-31st, the greatest amounts being recorded on the 5th, 7-8th, and 24th. The amounts recorded on the other dates were generally light. The greater part of the snowfall was received on the 13th, 20th, and 22d, but light snow or snow flurries were observed at many stations n the 10th, 12th, and 28th. At several stations no snow was bserved.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bancroft, 18th; Bruceton Mills, 3d, 4th, and 7th; Elkins, 4th and 5th; Glenville, 5th; Marlinton, 19th; Moundsville, 5th; Philippi, 4th; Romney, 19th.

Hail: Parkersburg, 5th.

Halos, lunar: Bayard, 13th; Morgantown, 9th.

Halos, solar: Bayard, 18th and 30th.

Sleet: Bancroft, Brownsville, Clarksburg, Creston, Elkins, Lost Creek, Moundsville, Parkersburg, Ryan, Smithfield, and Terra Alta, 3d; Bayard, Creston, and Terra Alta, 4th; Arbovale, Fairmont, Marlinton, Moorefield, Smithfield, and Union, 24th; Marlinton, 30th; Brownsville and Elkins, 31st.

Thunderstorms: Bancroft and Bens Run, 7th; Parkersburg, 5th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.22	82	68	80	109.7	37	6,694	9.0	38	sw.	8
Columbus, Ohio	30.21	78	68	74	83.0	29	8,863	11.9	56	nw.	13
Elkins	30.23	82	66	79	108.3	37	5,024	6.8	31	sw.	13
Lexington, Ky	30.24	84	77	....	122.3	41	10,691	14.4	48	sw.	8
Parkersburg	30.24	73	64	66	78.5	27	5,026	6.8	31	w.	13
Pittsburgh, Pa	30.21	75	71	71	62.5	22	9,554	12.8	50	w.	13
Wytheville, Va	30.22	77	60	67	142.0	48	5,748	7.7	31	w.	19

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	40.9	75	6	3.27	......	......	......	......	......	......
1892	31.1	72	−10	2.91	......	......	......	......	......	......
1893	37.1	76	7	2.05	3.73	0.56	......	10	8	13
1894	36.3	80	−29	4.01	6.56	1.71	......	11	7	13
1895	36.9	72	− 6	2.87	4.14	1.85	7.1	8	9	14
1896	35.3	67	2	1.68	2.88	0.57	......	12	9	10
1897	37.3	72	− 4	4.00	6.79	2.05	......	6	9	16
1898	33.4	69	−12	2.66	4.23	0.71	7.0	12	8	11
1899	33.3	77	−17	2.81	4.46	1.22	3.9	11	8	12
1900	34.6	66	3	2.26	3.45	1.32	1.0	11	7	13
1901	32.3	75	− 9	5.84	8.97	3.57	3.8	7	8	16
1902	33.9	70	− 2	5.33	9.95	2.01	9.4	5	7	19
1903	26.5	59	−11	2.00	4.43	0.30	7.8	12	8	11
1904	32.8	71	−20	3.12	5.91	1.63	9.8	8	7	16
1905	35.6	70	3	3.11	5.24	1.30	3.4	11	6	14
1906	35.9	70	− 1	4.73	11.15	1.83	6.2	5	6	20
1907	35.5	70	− 2	3.36	9.31	0.70	5.2	9	8	14
1908	36.4	73	5	3.03	7.36	1.06	6.0	9	8	14
1909	28.8	78	−10	2.55	6.60	1.16	10.9	9	8	14
1910	28.4	72	− 8	2.72	6.90	1.00	14.6	7	7	17
1911	39.3	74	4	3.27	5.58	1.25	1.6	9	5	17
1912	35.8	76	− 6	2.88	5.55	1.15	7.1	12	7	12
1913	36.4	68	3	2.82	3.81	1.10	2.9	9	8	14
1914	30.3	70	−20	5.46	8.04	2.58	12.5	7	4	20
1915	32.8	68	0	4.35	7.19	1.35	7.6	5	7	19
1916	32.8	77	−18	3.33	6.38	0.85	10.6	13	7	11
1917	24.3	67	−37	1.51	3.32	0.47	11.8	11	6	14
1918	41.0	74	0	4.41	8.14	2.70	3.2	8	6	17
1919	30.4	72	−15	4.07	7.35	1.17	7.8	10	6	15
1920	35.6	70	0	2.55	5.13	1.32	3.7	6	7	18
1921	37.0	79	0	4.25	7.51	1.11	7.5	7	7	17
1922	36.6	75	2	4.71	7.27	1.03	3.6	10	5	16
1923	43.1	78	0	5.82	10.96	1.00	2.4	11	5	15
1924	33.1	83	− 8	2.58	5.69	0.58	1.7	10	6	15
Means and extremes	34.6	83	−37	3.42	11.15	0.30	6.4	9	7	15

Climatological Data for December, 1924

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,700	23	30.4	+ 1.9	66	18	− 4	29	41	3.22	−0.68	0.61	4.5	12	13	4	14	sw.	U. G. Clark.
Brandywine	Pendleton	......	8	32.2	......	72	18	0	21†	40	1.40	......	0.55	T.	5	18	3	10	s.	Elmer Keister.
Burlington^{a}	Mineral	875	30	35.9	+ 3.7	83	18	3	29	61	2.08	−0.52	1.20	1.0	3	14	4	12	w.	Mrs. Louie Bumphrey.
Harpers Ferry	Jefferson	244	35	......	......	......	......	......	......	......	1.14	−1.48	0.42	0	6	......	......	......	......	J. C. Newcomer.
Inwood	Berkeley	569	2	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	H. W. Prettyman.
Martinsburg	Berkeley	435	32	34.0^{a}	+ 1.3	71^{a}	17	8	26	40^{a}	1.49	−1.23	0.56	T.	9	16	8	7	w.	Dr. H. S. Gardner.
Moorefield^{d}	Hardy	900	28	34.2	+ 1.1	79	18	− 1	26	54	0.90	−1.36	0.45	0	4	19	2	6	......	M. S. Henkel.
Piedmont	Mineral	919	11	32.2	......	70	18	4	29	38	0.69	......	0.43	0	5	14	3	14	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	26	35.7^{j}	......	75^{j}	18	− 4^{i}	22	41^{j}	......	......	......	......	......	......	......	......	......	Richard A. Bergdoll.
Stony River Dam	Grant	......	4	......	......	......	......	......	......	......	2.03	......	0.72	5.8	13	2	8	21	w.	A. C. Becker.
Upper Tract	Pendleton	1,230	25	29.8^{j}	......	71^{j}	18	− 2^{j}	26	27^{j}	0.58	−1.63	0.48	6.0	2	16^{b}	0^{b}	13^{b}	......	J. M. Mallow.
Wardensville	Hardy	1,200	6	33.4^{a}	......	73^{a}	18	2	26	41^{a}	0.95	......	0.22	1.5	8	10	8	13	......	Luther F. Sutton.
Averages and	extremes	......	......	33.1	+ 2.0	83	18	− 4	22†	61	1.45	−1.32	1.20	1.9	7	14	4	13	w.	
Northern Division																				
Aberdeen	Upshur	1,060	0	......	......	......	......	......	......	......	2.12	......	0.63	0.9	11	5	15	11	w.	L. Else Bond
Bens Run	Pleasants	622	22	34.3	+ 0.9	69	18	2	28	38	2.47	−1.29	0.68	1.0	9	12	6	13	......	J. D. Riggs.
Benson	Harrison	1,080	1	34.0	......	69	18	− 3	26	39	1.94	......	0.53	1.2	11	3	12	16	......	R. D Marts.
Brownsville	Lewis	1,032	1	34.4	......	73	18	− 3	26	45	2.28	......	0.62	1.0	12	12	8	11	......	S. L. Montgomery.
Bruceton Mills	Preston	1,549	4	......	......	......	......	......	......	......	3.18	−0.42	0.66	7.4	15	4	7	20	w.	W. M. Wolf.
Buckhannon	Upshur	1,411	27	33.3	+ 0.3	68	18	1	26	36	2.91	−1.10	0.80	0.5	9	10	5	16	......	H. A. Darnall.
Cairo	Ritchie	680	25	33.3	− 0.9	72	18	− 4	26	39	2.24	−1.52	0.65	0.5	11	8	4	19	......	O C. Hess
Cheat Bridge	Randolph	3,558	6	27.5^{a}	......	60^{a}	19	− 4	21	46^{a}	3.48	......	0.76	10.0	9	13	5	13	......	H. F. Cromer.
Clarksburg	Harrison	1,015	2	34.4	......	70	18	1	26	38	2.04	......	0.55	0.6	13	7	7	17	nw.	Clarksburg Water Board.
Cortland	Tucker	3,300	13	......	......	......	......	......	......	......	2.52	−0.99	0.60	10.0	10	8	4	19	......	G. W. Harmon.
Crawford	Lewis	1,087	1	......	......	......	......	......	......	......	2.54	......	0.68	1.3	11	13	10	8	......	J. Cecil Owens.
Creston	Wirt	701	22	35.1	+ 1.2	73	17	− 2	26	41	2.66	−0.67	0.53	0.5	12	9	0	22	w.	J. M. Reed.
Dam 10 Mon. R.	Marion	786	3	......	......	......	......	......	......	......	2.18	......	0.62	3.2	13	......	......	......	w.	Lockmaster.
Dam 12 O. R.	Ohio	614	8	......	......	......	......	......	......	......	2.40	......	0.73	......	15	......	......	......	......	Lockmaster.
Dam 13 O. R.	Ohio	605	8	......	......	......	......	......	......	......	2.58	......	0.80	......	10	......	......	......	......	Lockmaster.
Dam 15 Mon. R.	Monongalia	839	3	......	......	......	......	......	......	......	1.96	......	0.58	......	12	......	......	......	......	Lockmaster.
Davis	Tucker	3,093	15	......	......	......	......	......	......	......	4.28	−0.56	0.98	7.8	16	7	7	17	w.	Ross C. Male.
Elizabeth	Wirt	646	12	......	......	......	......	......	......	......	2.44	−0.87	0.64	......	9	......	......	......	......	E. D. Ball.
Elkins	Randolph	1,947	23	31.8	− 0.9	68	18	0	26	43	2.69	−0.73	0.61	2.3	18	4	11	16	w.	U. S. Weather Bureau.
Fairmont	Marion	883	18	31.0	− 2.9	64	17†	5	26†	39	2.19	−1.31	0.59	1.5	16	15	0	16	w.	Creed E. Bolyard.
Glenville	Gilmer	738	30	35.7	+ 0.7	71	8	0	26	42	2.11	−1.58	0.46	2.0	13	7	9	15	w.	Howard R. Brannon.
Horner	Lewis	1,044	1	......	......	......	......	......	......	......	1.72	......	0.50	2.0	8	7	8	16	......	Thomas E. Miles.
Janelew (near)	Lewis	1,020	1	35.8	......	70	7†	− 3	25	45	2.15	......	0.60	1.0	9	13	7	11	sw.	Dan Burkholder.
Lost Creek	Harrison	1,026	26	32.4	− 1.4	68	18	− 3	26	42	2.35	−1.14	0.63	0.5	10	6	10	15	w.	Allen Smith.
Mannington	Marion	974	21	32.6	+ 0.1	68	18	− 2	26	38	2.49	−1.03	0.62	1.2	14	6	5	20	w.	Jas. A. Morgan.
Morgantown	Monongalia	1,250	31	33.6	+ 0.1	68	8†	1	29	38	1.19	−1.93	0.55	2.0	9	0	14	17	sw.	Prof. E. L. Andrews.
Moundsville	Marshall	642	21	31.0^{a}	− 2.1	65^{a}	7†	2	28†	39^{b}	1.79	−1.50	0.85	T.	6	6	8	17	sw.	Fred N. Wilson.
New Cumberland	Hancock	987	26	29.6	− 1.2	66	13	− 3	28	42	2.45	−0.18	0.60	2.0	9	6	0	25	s.	Geo. W. Derouin.
New Martinsville	Wetzel	634	30	33.0	− 1.8	70	18	0	26†	49	2.60	−0.96	0.80	T.	10	6	4	21	s.	Wm. Ankrom.
Parkersburg	Wood	638	37	33.6	− 1.6	72	18	4	28	37	2.49	−0.28	0.56	0.6	13	4	8	19	sw.	U. S. Weather Bureau.
Parsons ††	Tucker	1,656	24	30.5	− 0.7	68	8	− 2	2	43	2.94	−0.85	0.70	10.0	8	9	7	15	......	J. W. Swisher.
Philippi	Barbour	1,149	27	34.4	+ 1.1	78	8	− 2	26	39	2.05	−1.78	0.54	0.5	11	8	3	20	w.	Prof. W. B. Pimm.
Pickens	Randolph	2,697	21	30.0	− 2.1	65	18	− 8	29	48	5.69	+0.49	1.18	7.0	14	8	7	16	w.	Dr. J. L. Cunningham.
Roanoke	Lewis	1,050	1	......	......	......	......	......	......	......	1.91	......	0.67	2.5	15	4	12	15	......	Miss Mary A. Conrad.
Rowlesburg ††	Preston	1,375	37	......	......	......	......	......	......	......	2.78	−1.09	0.58	......	13	......	......	......	......	J. F. Pierce.
Saint Marys	Pleasants	577	15	......	......	......	......	......	......	......	3.02	−0.48	0.80	0.5	12	......	......	......	sw.	Wm. Hughes.
Smithfield	Wetzel	835	18	31.2	− 0.3	68	18	− 4	26	41	2.75	−1.33	0.78	1.7	16	14	5	12	se.	G. M. Whisler.
Terra Alta	Preston	2,612	23	27.8	− 2.2	60	18	− 7	29	42	2.75	−2.41	0.74	5.4	17	8	0	23	sw.	J. J. Shanahan.
Valley Chapel	Lewis	1,011	1	36.0	......	72	18	1	26	39	2.28	......	0.56	1.2	14	5	12	14	w.	J. C. Campbell.
Vandalia	Lewis	1,129	1	......	......	......	......	......	......	......	2.68	......	1.03	......	6	......	......	......	......	W. S. Linger.
Wellsburg	Brooke	1,225	23	31.4	+ 0.4	64	17	− 6	26	34	3.22	+0.15	0.82	2.5	10	3	6	22	w.	George P. Pfister.
Weston^{f}	Lewis	1,026	28	29.2	......	......	......	2	26	31	1.82	−1.88	0.57	......	6	16	6	3	......	Weston State Hospital.
Wheeling	Ohio	645	37	29.6	− 2.3	66	17	− 3	28	42	2.35	−0.62	0.71	2.1	14	6	2	23	w.	Miss M. B. Forsyth.
Averages and	extremes	......	......	32.4	− 0.7	73	17†	− 8	29	49	2.51	−1.00	1.18	2.4	12	8	7	16	w.	
Southern Division																				
Arbovale	Pocahontas	2,737	......	......	......	......	......	......	......	......	2.54	......	0.71	T	9	11	10	10	w.	H. S. Sutton
Bancroft	Putnam	574	20	34.3	− 0.6	76	18	3	26	36	3.56	+0.21	0.92	0.5	10	19	0	12	ne.	E. H. Morrow.
Beckley	Raleigh	2,440	24	32.6	− 0.8	68	18	2	21	38	......	......	......	......	......	11	9	11	w.	K. E. Williams.
Bluefield ††^{b}	Mercer	2,558	29	38.4	+ 3.2	70	18†	6	21†	41	2.96	+0.05	0.75	1.0	8	14	6	9	......	Norfolk & Western R
Camden-on-Gauley	Webster	2,062	9	......	......	......	......	......	......	......	2.80	......	1.00	T.	3	......	......	......	n.	Miss Katie Jarvis.
Charleston	Kanawha	597	21	36.1	− 3.6	77	18	6	26	44	3.07	−0.25	0.90	0.2	9	12	0	19	......	George Huber.
Clay	Clay	706	8	......	......	......	......	......	......	......	3.54	......	0.93	......	11	......	......	......	......	Ted Thomas.
Dam 19 O. R.	Wood	557	8	......	......	......	......	......	......	......	2.90	......	0.86	......	14	......	......	......	......	Lockmaster.
Dam 20 O. R.	Wood	551	8	......	......	......	......	......	......	......	2.94	......	0.76	......	11	......	......	......	......	Lockmaster.
Dam 26 O. R.	Mason	505	8	......	......	......	......	......	......	......	2.82	......	0.90	0	8	......	......	......	......	U. S. Engineer Office.
Gary	McDowell	1,426	8	36.2	......	78	17	8	22	45	2.61	......	0.62	0	9	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,450	27	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. B. Lavender, C. E.
Huntington	Cabell	538	30	35.3^{a}	+ 0.9	72^{a}	17	8	28†	38^{a}	3.96	+0.55	2.16	0.2	8	10	6	15	w.	L. H. Hutchinson.
Kanawha Falls	Fayette	618	5	......	......	......	......	......	......	......	3.03	......	0.98	0.2	8	......	......	......	......	J. O. Brown.
Kayford	Kanawha	1,335	8	......	......	......	......	......	......	......	3.26	......	0.71	0.3	13	......	......	......	......	Cabin Creek Con. Coal
Lewisburg	Greenbrier	2,200	24	34.6^{c}	+ 2.4	69^{c}	18	2	22	38^{c}	2.96	+0.12	0.63	T.	8	12	8	11	nw.	Geo. T. Argabate.
Logan	Logan	700	21	......	......	......	......	......	......	......	4.39	−0.19	1.42	0	7	......	......	......	......	Geo. R. Travis.
Marlinton	Pocahontas	2,131	25	28.0	− 1.1	64	17	− 2	22	40	3.75	+0.09	1.04	T.	10	7	16	8	sw.	S. L. Brown.
Organ Cave	Greenbrier	......	2	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	D. C. Humphreys.
Point Pleasant	Mason	553	31	35.6	+ 0.4	74	18	6	25†	38	3.01	−0.22	1.02	0.5	10	15	0	16	nw.	Miss Grace E. Henson.
Powellton	Fayette	933	28	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	538	9	36.1	......	71	18†	2	26	46	2.42	......	0.62	0	9	7	0	24	nw.	Lockmaster.
Robertsburg	Putnam	574	24	32.4	− 1.6	73	18	− 1	26	42	3.15	−0.31	0.89	0	9	13	0	18	......	M. Frazier.
Ryan	Roane	709	21	33.8	− 0.1	75	18	− 1	26	42	3.00	−0.45	0.82	0.7	14	10	3	18	......	Wm. E. Ryan.
Sharples	Logan	......	4	......	......	......	......	......	......	......	4.39	......	1.23	T.	9	......	......	......	......	F. H. Locke.
Spencer	Roane	784	20	33.4	− 1.1	73	18	1	26	42	2.38	−0.99	0.61	2.8	11	0	15	16	......	A. M. McKown.
Summersville	Nicholas	1,894	0	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Cecil Groves.
Sutton	Braxton	839	18	33.4	− 0.2	70	17†	− 1	26	45	2.60	−1.34	0.80	4.0	9	18	0	13	......	C. B. Eakle.
Union^{d}	Monroe	2,250	20	36.2	+ 4.3	72	19	2	22	45	2.20	−0.32	0.76	0.5	5	8	5	14	......	W. M. H. Young.
White Sulphur Springs	Greenbrier	1,940	14	33.8^{a}	+ 3.0	72^{a}	17	0	21	50^{a}	3.63	+0.47	0.80	3.0	13	11	11	9	......	E. J. Comar.
Williamson	Mingo	660	24	34.7	− 2.2	71	17	10	26†	30	3.74	−0.10	0.97	T.	10	11	7	13	w.	J. F. Keyser.
Averages and	extremes	......	......	34.2	0	78	17	− 2	22	50	3.15	−0.20	2.16	0.6	9	11	6	14	w.	
State averages and	extremes	......	......	33.1	− 0.2	83	18	− 8	29	61	2.58	−0.79	2.16	1.7	10	10	6	15		

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for December, 1924

Stations	Drainage basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard	Potomac	.19	T.		T.		.38	.11	.27	.19			T.	.08	.61		T.	.26	.19	T.	T.	.04	T.		.61	.29			T.			T.	3.22
Brandywine	do	T.				.55		.10	.25					T.											.15							.35	1.40
Burlington	do	.08			T.	.80	T.	1.20										T.		T.					T.	T.					T.		2.08
Harpers Ferry ⦀	do						.42		.11	.23				.08				T.	T.						.27							.03	1.14
Inwood	do																																
Martinsburg ⦀	do	T.					.56	.02	.15	.20				.10				.02	T.						.18	.15						.11	1.49
Moorefield	do					.45		.01	.36															.08	T.								0.90
Piedmont	do					.43		.01	.01					.11										.13									0.69
Romney	do					.80		.18	.10																								†††
Stony River Dam ⦀	do																																
Upper Tract	do								.10																							.48	0.58
Wardensville ⦀	do	.04			T.	.20	.15	.06	.22	.10			T.						T.	T.					.10						T.	.08	0.95
Northern Division																																	
Aberdeen	Monongahela			.03	.04	.48		.18	.21	T.				.29				.11	T.	.03	T.	T.			.63	.11			.01		T.	T.	2.12
Bens Run	Ohio					.68		.50	.45					.15				.12	.13	.06		T.			.37	.01							2.47
Benson	Monongahela	.02		.04	.03	.53		.12	.19					.23				.13		.07					.51	.07							1.94
Brownsville	do			.03	.05	.48		.22	.30					.17				.10		.17	T.				.62	.09			T.		.03	.03	2.28
Bruceton Mills	do	.39	.02	.23	T.	.50	.09	.05	.14		T.		.07	.66			.02	.37		.14	.02	T.		T.	.41				.07				3.18
Buckhannon	do			T.		.80		.20	.28					.40			T.	.15		.10	T.				.74	.04					T.	.20	2.91
Cairo	Little Kanawha	T.			.05	.65	.02	.22	.38	T.			.15					.02	.07	.10	T.	T.			.57	T.			T.		.01		2.24
Cheat Bridge ⦀	Monongahel	.70				.03		.42	.60				.76					.27				.04		.48	T.							.18	3.48
Clarksburg	do				.11		.55	.11	.13	.04				.30			.02	.14	.06	.06		T.			.45	.05	T.		T.	T.	.02		2.04
Cortland	do	.24	.32		.16	.10					.40		.60					.10		.20					.20						.20		2.52
Crawford	do	.02				.51		.33	.32					.18				.30		.07					.68	.05					.06	.02	2.54
Creston ⦀	Little Kanawha	T.		.20	.30	.10	.42	.12	.31	.40				.10				.09			.03	T.	T.		.53	.06			T.			T.	2.66
Dam 10, Mon. R. ⦀	Monongahela		.04		.08		.62	.04	.08	.07				.43				.09	.13		.03				.31	.24			.02				2.18
Dam 12, O. R. ⦀	Ohio	.05			.02		.73	.02	.08	.18				.33				.12	.35	.03	.02			.08	.30	.04			.05				2.40
Dam 13, O. R. ⦀	do						.80	.80	.05	.20								.09	.25	.02	.02				.32				.03				2.58
Dam 15, Mon. R. ⦀	Monongahela	.03			.07		.58	.07	.11	.09				.20				.09	.12		.08				.38	.14							1.96
Davis ⦀	do	.16	.30				.56	.15	.12	.28				.98	.19			.32	.37		T.	T.	.04		.51	.09	.05		.06			.10	4.28
Elizabeth	Little Kanawha				.28	.60		.10	.60					.10				.05			.02				.64	.05							2.44
Elkins ***	Monongahela	.07		.05	.02	.27	T.	.28	.20	.02	T.		.05	.45			.24	.03		.07	T.	T.	T.	.06	.56	.05			.04		.08	.15	2.69
Fairmont ⦀	do	.10	.03		.05	T.	.59	.05	.09	.10		T.		.32	T.			.14	.20		.05	.02	T.		.30	.13			.01			.01	2.19
Glenville ⦀	Little Kanawha	.08			.34	.09	.30	.04	.07	.16				.06				.12	T.		.02				.46	.11						.26	2.11
Horner	do				.05	.50		.25	.34					.29				.16								.10						.03	1.72
Janelew (near)	do		.07		.50		.16	.25					.25				.15		.05					.60	.12								2.15
Lost Creek	do	T.		.04		.63	T.	.12	.30	.03				.40				.16	T.	.05	T.	T.			.58	.04			T.		T.	T.	2.35
Mannington	do	.02		.02	.06	.62	.10	.12	.33				T.	.36			T.	.23	.05	.06	T.	T.			.45	.06			.01				2.49
Morgantown	do	.16		.01	.02	.55		.15	.05									.10							.05	.10		T.					1.19
Moundsville ⦀	Ohio			T.		.85			T.	.15			.40				.03	.29		.07					T.								1.79
New Cumberland ⦀	do						.60	T.	.08	.22				.40	.03			.47	.34	.07			T.		.24								2.45
New Martinsville	do			.05	.10	.80	.10	.10	.60					.25				.20	.05						.35								2.60
Parkersburg ***	do			.06	.02	.66	T.	.38	.63				.07	.11			.01	.08		.06	T.	T.		.01	.39			T.	.01				2.49
Parsons	Monongahela	.48		T.	*			.50	.70					.30			.35			.25					.36							T.	2.94
Philippi	do	T.		T.	.08	.54	T.	.22	.26	.03				.42			T.	.25	.03	.08	T.	T.			T.	.04	T.		T.		.10	T.	2.05
Pickens	do	.21		*	1.18		T.	.73	.46					.47				.50		.22	.08				.84	.16			.08		.33	.40	5.66
Roanoke	do	.05		.04	.01	.48	.02	.12	.10	.02				.12				.02		.07	T.	T.			.67	.09					.02	.08	1.91
Rowlesburg ⦀	do	.08	.04		.05		.48	.09	.11	.18				.58	.17			.18	.40		.12				.30								2.78
Saint Marys ⦀	Ohio	.03		T.	.23	.04	.80	.20	.53	.23				.17				.09	.12						.48	.10							3.02
Smithfield ⦀	Fishing Creek	.04		T.			.78	.12	.25	.06			.35	.05			.05	.16	.27		.04	.02			.44	.06			.01			.05	2.75
Terra Alta	Monongahela	.04		.09	.04	.55	T.	.08	.19	.03	T.		T.	.74	.01		.02	.36	.10		.02	.02			.42				.03		.01		2.75
Valley Chapel	do			.05	.04	.52		.25	.24	.05				.30				.14	.01	.07	T.	T.			.56	.03			.01			.01	2.28
Vandalia	do							1.03	.25							.25										.95					.15	.05	2.68
Wellsburg	Ohio	.05		T.		.61	.21	.20	.22					.48				.45	.48	.15				T.	.37								3.22
Weston	Monongahela					.57			.52	.05				.28											.35						.05		1.82
Wheeling ⦀	Ohio	.05	T.	T.	.01	T.	.71	T.	.08	.17				.37	T.			.10	.30	.02	.01			.04	.36	.10			.03				2.35
Southern Division																																	
Arbovale	Great Kanawha	T.				.71		.08	.32	.44				.20				.12			T.				.35	T.					.11	.21	2.54
Bancroft ⦀	do	T.		.11		.24	.20	.92	.79	.23				.03				.28							.72	.04							3.56
Beckley	do						.50							T.	T.																		†††
Bluefield	do	.08				.37		.44	.57	.05															.60						.10	.75	2.96
Camden-on-Gauley ⦀	do	T.						1.00																	T.	T.				T.	.80	1.00	2.80
Charleston ⦀	do				.05		.28	.42	.37	.45								.25			.03				.90	.32							3.07
Clay ⦀	do				.16	T.	.26	.63	.35	.41				.46				.13			.13				.65	.28						.08	3.54
Dam 19 O. R. ⦀	Ohio	.01		.01	.12	.18	.54	.14	.86	.20				.22			T.	.01	.08	T.	.08	T.	T.		.42	.03			T.				2.90
Dam 20 O. R. ⦀	do				.22	.22	.53	.12	.76	.28				.23				.05	.04		.09				.40	T.							2.94
Dam 26 O. R. ⦀	do				.20	.45	.25	.90	.30									.12							.55	.05							2.82
Gary ⦀	Big Sandy				.10		.17	.46	.39	.62								.08							.45			.10				.24	2.61
Hinton ⦀	do																																
Huntington ⦀	Ohio					.42	.08	.86	1.30	.34								.26							.68	.02				T.			3.96
Kanawha Falls ⦀	Great Kanawha						.15	.38	.30	.60								.22							.98	.30						.10	3.03
Kayford ⦀	do	.04			.02		.13	.31	.71	.46	.03					.01		.19			.08	T.			.70	.41			T.			.17	3.26
ewisburg	do					.54		.41	.53					.10				.14		T.	T.				.45						.16	.63	2.96
ogan ⦀	Guyandotte					.11	.36		1.42	.45								.90			T.				.90	.25							4.39
arlinton	Great Kanawha	T.			.03	.98	.04	.12	.92						T.		T.	.28	.12	T.	T.				.48	T.			T.		.32	.46	3.75
rgan Cave	do																																
oint Pleasant ⦀	Ohio			T.	.20	.21	.04	.15	1.02	.40								.12		.15					.60	.12							3.01
avenswood (Dam 22	Ohio				.10	.05	.50	.05	.50	.47				.05				.08							.62								2.42
obertsburg ⦀	Great Kanawha				.06	.44		.57	.89	.28											.22				.60	.05						.04	3.15
yan	do	.02		.10		.35	.01	.82	.57					.01			.05	.11		.04	T.	T.			.72	.04			T.		.09	.07	3.00
harples ⦀	Coal River				.41	.18		.42	1.23	.45					T.			.30							.98	.08						.34	4.39
pencer ⦀	Little Kanawha	.16	T.	T.	.16	.05	.46	.18	.28					.15				.12	T.	T.	T.				.61	.06						.15	2.38
utton	Great Kanawha			.16		.32		.80	.44					.12		T.	T.			.30		T.			T.	.16					.10	.20	2.60
nion	do	.04				.27			.71									.42							T.	T.						.76	2.20
hite Sulpr. Spgs. ⦀	do				.10	.35	.30	.44	.50								.14	.02		.04				.40	.08					.06	.40	.80	3.63
illiamson ⦀	Big Sandy				T.	.04	.33	.25	.97	.74						T.		.06			.05				.84	.26						.20	3.74

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

⦀ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

††† Probably incomplete.

Daily Temperatures for December, 1924

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	24	29	34	37	38	48	63	65	59	35	32	39	44	41	36	58	61	66	63	52	12	16	36	39	36	28	30	27	37	44	42	41.0
	Minimum	11	8	7	30	30	35	36	42	34	21	13	18	35	18	16	23	49	55	33	12	2	3	0	26	6	0	1	4	− 4	20	29	19.8
Brandywine	Maximum	27	24	36	50	52	55	60	61	58	45	35	45	51	45	35	53	70	72	65	58	22	25	32	40	40	27	30	30	34	34	39	43.6
	Minimum	15	4	20	30	26	38	40	42	36	19	10	21	35	11	14	30	40	37	38	18	0	0	0	25	13	2	9	10	4	30	30	20.9
Burlington	Maximum	43	42	45	45	45	58	59	67	68	57	58	52	56	55	45	41	71	83	74	74	26	26	30	39	35	30	33	33	30	40	....	45.7
	Minimum	21	21	13	38	29	33	35	41	43	21	19	26	39	26	23	22	31	42	38	13	9	9	8	29	19	4	7	12	3	19	....	23.1
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Martinsburg§	Maximum	30	38	47	45	49	52	52	59	53	36	40	53	60	52	40	55	71	62	62	31	21	27	34	35	29	32	43	25	31	38	....	43.4
	Minimum	23	22	19	25	34	33	39	44	45	31	24	25	30	29	23	26	31	40	39	28	14	11	11	15	26	8	11	15	9	10	26	21.7
Moorfield	Maximum	....	....	....	....	41	57	54	64	62	53	44	52	57	50	43	40	75	79	74	67	59	47	40	34	36	39	46	36	36	36	36	50.3
	Minimum	....	....	....	....	24	28	40	39	40	25	11	20	20	20	16	20	26	39	31	17	5	3	3	23	4	− 1	3	0	2	4	28	18.1
Piedmont	Maximum	26	32	40	39	39	48	54	63	55	31	36	44	51	41	36	38	64	70	65	53	18	24	26	38	38	30	34	30	30	40	37	41.2
	Minimum	18	18	17	25	34	34	39	46	34	27	22	26	38	23	22	27	32	50	39	15	10	11	9	26	12	6	10	8	4	20	19	23.3
Romney	Maximum	28	41	44	42	43	54	57	64	50	32	42	55	58	32	41	41	70	75	72	22	22	....	....	....	....	....	....	....	....	....	....	46.9
	Minimum	18	18	15	36	30	32	37	45	42	28	16	18	35	25	21	23	29	39	35	2	0	− 4	....	....	....	....	....	....	....	....	....	24.5
Upper Tract	Maximum	31	36	38	39	39	....	....	62	....	62	60	60	....	43	42	68	....	71	....	....	40	40	41	....	....	36	33	40	43	....	25	45.2
	Minimum	16	8	15	19	18	....	....	27	....	15	13	14	....	16	15	28	....	44	....	....	7	3	9	....	....	− 2	13	4	3	....	20	14.5
Wardensville§	Maximum	38	46	46	40	48	56	65	67	60	42	49	48	42	34	38	52	70	73	70	22	22	24	35	34	38	28	26	40	38	34	....	44.2
	Minimum	19	17	24	38	31	34	41	40	45	28	13	22	33	28	20	23	29	38	32	20	9	4	5	24	22	2	5	6	3	20	22	22.5
Northern Division																																	
Bens Run	Maximum	29	36	36	40	62	58	60	62	57	33	41	46	49	42	45	66	68	69	64	42	16	26	39	38	37	29	34	30	40	40	40	44.3
	Minimum	11	9	18	34	33	40	44	48	31	26	23	32	40	24	20	28	56	43	40	13	10	11	14	27	4	4	9	2	5	26	28	24.3
Buckhannon	Maximum	25	30	37	40	57	58	61	67	58	45	36	47	48	39	37	62	65	68	60	40	15	21	43	32	30	25	32	25	40	42	37	42.6
	Minimum	15	4	15	30	28	40	38	53	33	27	27	27	38	23	19	32	55	50	40	13	10	9	12	10	12	1	9	10	4	26	33	24.0
Cairo	Maximum	28	33	34	40	59	55	59	60	58	31	42	51	46	35	46	68	66	72	65	41	14	24	37	35	24	26	33	27	39	43	36	42.8
	Minimum	10	1	12	30	29	38	49	50	29	28	28	35	30	26	25	43	60	45	41	14	8	11	8	24	6	− 4	3	3	0	21	32	23.8
Clarksburg	Maximum	27	35	37	40	61	60	60	67	59	38	40	47	50	43	34	65	68	70	68	50	15	24	36	38	34	31	34	33	42	44	42	44.9
	Minimum	15	4	12	33	29	39	43	47	37	27	27	27	43	24	17	29	51	45	39	15	9	8	8	31	10	1	5	7	4	24	32	24.0
Creston	Maximum	30	37	38	40	62	57	60	65	60	36	47	49	54	44	39	69	69	73	69	42	18	26	42	40	30	31	36	32	43	43	43	45.9
	Minimum	12	3	15	32	35	38	45	51	35	25	27	28	43	26	19	28	58	47	41	15	9	6	10	29	9	− 2	5	6	2	25	30	21.3
Elkins	Maximum	19	35	38	38	53	53	64	67	59	27	37	48	47	28	37	63	65	68	67	29	15	21	39	40	24	30	32	21	44	41	40	41.5
	Minimum	12	4	9	30	30	37	53	52	27	23	18	34	28	20	19	31	56	43	29	8	6	5	8	24	7	0	7	5	1	26	30	22.0
Fairmont§	Maximum	24	34	35	43	55	56	59	63	42	29	36	47	47	31	37	63	64	64	61	22	14	19	36	35	19	25	33	12	39	42	31	39.4
	Minimum	14	10	11	32	30	38	38	50	36	27	26	26	35	24	20	24	37	44	45	19	9	10	13	17	12	5	5	6	5	5	30	22.7
Glenville	Maximum	24	29	35	38	59	65	64	71	65	41	38	49	48	44	37	65	69	66	64	53	17	26	41	41	38	35	35	38	46	45	45	46.2
	Minimum	14	5	14	33	30	39	45	52	37	28	28	27	41	26	19	28	57	47	42	16	10	6	10	35	12	0	7	9	4	25	34	25.2
Lost Creek	Maximum	26	33	35	38	58	58	58	66	57	38	37	46	47	40	33	63	65	68	67	48	14	22	36	37	30	28	34	29	42	42	38	43.0
	Minimum	12	− 2	10	30	25	36	40	46	34	25	25	25	40	22	15	25	55	45	40	14	7	4	6	30	7	− 3	3	5	0	21	30	21.7
Mannington	Maximum	27	29	35	38	58	57	61	63	59	34	37	45	49	40	34	63	66	68	65	44	15	24	36	35	31	25	32	29	39	43	37	42.5
	Minimum	15	1	11	32	28	40	41	46	34	26	27	24	40	24	18	28	49	45	39	14	10	11	10	31	8	− 2	3	3	1	22	29	22.8
Morgantown	Maximum	25	29	36	37	55	56	60	68	59	33	35	45	48	40	34	60	65	68	64	42	15	23	38	38	29	30	33	26	39	42	38	42.3
	Minimum	15	13	24	32	32	46	46	56	32	25	25	31	37	20	20	30	50	42	40	11	7	10	12	28	10	4	14	2	1	32	26	24.9
New Cumberland§	Maximum	34	32	37	40	53	57	59	61	34	30	37	46	66	28	35	64	64	60	59	17	17	21	34	34	11	23	28	13	35	37	30	38.6
	Minimum	16	18	19	31	32	37	46	41	33	25	26	27	35	26	18	22	34	37	38	15	12	12	12	20	0	− 2	2	− 3	− 2	0	20	20.7
New Martinsville	Maximum	29	35	35	40	62	59	60	60	52	38	41	47	50	42	43	65	67	70	65	36	20	26	35	45	35	29	34	31	50	40	41	44.6
	Minimum	11	5	15	30	30	38	42	45	30	24	26	29	33	21	12	26	50	40	36	10	8	11	10	24	7	0	5	0	1	23	24	21.5
Parkersburg	Maximum	27	34	37	40	61	57	59	65	49	30	41	49	51	32	36	68	66	72	65	28	19	25	37	37	24	28	34	18	40	42	38	42.2
	Minimum	13	9	25	34	35	39	52	49	29	28	29	33	32	26	26	33	45	45	28	12	10	14	16	24	7	1	10	4	6	30	29	25.0
Parsons	Maximum	20	32	36	36	36	38	66	68	59	40	36	44	48	33	36	64	61	66	66	41	11	20	34	39	35	31	31	17	42	36	40	40.8
	Minimum	13	− 2	5	32	30	34	34	50	29	25	22	21	33	21	17	27	55	42	37	9	7	4	6	20	10	0	4	6	− 1	12	20	20.2
Philippi	Maximum	19	33	38	39	56	59	61	78	65	33	37	43	45	45	35	64	66	70	65	45	12	23	42	43	34	28	28	31	41	44	41	44.1
	Minimum	12	8	20	22	32	36	47	54	31	28	30	30	37	21	25	34	60	49	44	10	0	0	13	33	5	− 2	14	6	5	29	32	24.8
Pickens	Maximum	29	34	36	41	49	59	61	53	54	37	38	43	44	30	42	43	52	65	61	37	23	17	40	41	34	32	30	21	40	40	40	40.6
	Minimum	6	− 4	10	28	38	32	46	48	27	18	12	27	23	17	12	27	39	45	34	6	0	0	17	34	2	− 4	12	1	− 8	20	32	19.3
Terra Alta	Maximum	18	23	28	32	37	40	56	54	50	28	27	40	37	30	34	55	56	60	57	41	6	15	40	35	29	25	26	22	35	40	35	35.8
	Minimum	9	7	21	27	29	32	39	48	28	19	18	20	30	16	19	30	50	49	41	6	1	0	− 1	29	4	− 2	3	− 1	− 7	28	25	19.9
Wellsburg	Maximum	26	30	35	39	55	54	55	62	60	32	36	43	43	39	32	58	61	63	62	46	22	34	34	34	27	24	28	25	30	38	38	40.9
	Minimum	16	14	12	31	37	43	39	45	30	25	27	29	38	20	18	28	40	39	41	14	10	10	13	21	0	− 6	1	− 4	− 4	27	21	21.8
Weston	Maximum	28	26	35	37	57	57	....	58	58	38	36	46	46	41	....	....	....	....	....	17	17	20	42	42	34	28	34	34	37	38	38	37.8
	Minimum	14	6	17	21	29	39	....	40	38	22	26	30	41	25	....	....	....	....	....	5	10	8	12	34	11	2	9	8	6	26	33	20.5
Wheeling§	Maximum	30	35	36	40	57	59	62	62	34	34	38	40	47	32	38	64	66	65	64	18	17	24	34	34	19	29	35	29	40	39	30	40.1
	Minimum	11	10	13	32	31	33	37	44	30	23	23	26	32	20	17	22	35	38	40	10	10	10	11	19	0	0	0	− 3	− 2	1	20	19.1
Southern Division																																	
Bluefield	Maximum	33	41	45	53	56	59	63	64	56	40	41	48	49	....	51	60	67	70	63	52	21	23	40	41	40	45	38	....	48	70	64	49.7
	Minimum	16	9	26	39	38	37	50	51	37	25	20	29	40	....	22	34	55	49	50	17	6	6	10	9	7	9	21	....	16	29	33	27.2
Charleston	Maximum	30	42	39	52	65	63	70	68	47	34	46	58	56	32	49	70	76	77	68	27	24	29	43	39	23	35	40	25	49	40	39	45.6
	Minimum	18	13	15	29	35	36	35	52	40	29	25	28	35	28	25	26	45	48	47	23	11	9	11	24	16	6	7	12	10	11	33	25.2
Gary§	Maximum	31	49	46	64	61	62	69	66	48	39	45	53	61	35	53	65	78	76	70	27	25	27	41	47	25	43	40	25	50	41	43	48.6
	Minimum	22	10	10	19	34	31	31	49	36	29	22	22	24	30	24	24	40	45	41	25	9	8	10	24	20	9	9	18	13	14	33	23.7
Hinton§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Huntington§	Maximum	27	37	40	50	65	60	64	62	40	40	62	57	52	32	50	66	72	70	65	24	19	26	37	36	28	25	35	25	42	41	....	45.1
	Minimum	16	13	14	33	36	38	40	58	30	30	28	30	33	28	26	28	45	47	47	17	10	10	15	25	12	10	10	8	8	11	34	25.5
Lewisburg	Maximum	28	37	40	52	47	53	59	59	52	43	39	48	43	42	37	48	67	69	65	55	....	....	....	....	....	35	38	30	38	35	39	46.1
	Minimum	11	7	10	37	36	33	41	46	38	25	16	23	37	23	18	25	41	38	36	17	5	2	10	29	13	3	12	14	18	21	33	23.2
Marlinton	Maximum	22	26	42	48	36	50	56	56	50	32	36	40	36	30	34	46	64	60	62	34	20	20	24	36	32	26	34	22	34	34	34	37.9
	Minimum	8	0	6	28	30	30	40	44	26	22	10	22	20	18	16	22	40	38	22	10	2	− 2	6	24	8	0	4	10	4	22	30	18.1
Point Pleasant	Maximum	30	40	36	44	67	67	59	65	57	50	43	55	58	41	45	67	68	74	65	50	38	32	39	40	27	39	38	40	48	48	45	48.6
	Minimum	10	13	18	28	30	35	45	50	20	23	22	30	35	28	20	30	39	41	39	12	8	8	12	13	6	12	10	6	15	16	22	22.5
Ravenswood	Maximum	30	36	36	42	63	61	59	64	59	38	42	49	55	45	38	69	68	71	71	60	41	26	38	37	30	29	35	34	41	42	40	46.7
	Minimum	12	5	18	33	34	38	47	55	35	28	28	29	45	30	21	29	61	45	42	14	7	9	12	29	8	2	8	6	6	26	30	25.5
Robertsburg§	Maximum	27	40	36	45	50	65	65	58	45	32	44	56	53	39	45	68	70	73	66	21	21	27	38	34	20	32	37	22	45	42	34	43.3
	Minimum	12	6	6	28	30	32	45	50	34	26	23	25	26	26	26	30	42	42	42	15	8	6	10	22	8	− 1	0	5	3	3	30	21.3
Ryan	Maximum	32	38	36	45	62	58	60	66	60	33	42	50	55	43	42	70	72	75	60	40	20	25	41	37	29	24	37	28	45	42	36	45.3
	Minimum	8	1	10	30	28	32	46	52	33	24	24	23	43	24	17	28	57	40	40	15	5	3	8	29	5	− 1	6	6	3	22	32	22.4
Spencer§	Maximum	18	38	38	49	57	58	65	66	34	34	43	55	55	35	53	70	71	73	66	24	19	26	42	37	21	30	37	20	35	37	40	43.4
	Minimum	10	4	15	32	31	36	38	56	26	26	20	27	30	25	21	28	53	47	45	16	8	6	12	26	10	1	10	8	5	29	35	23.5
Sutton	Maximum	28	28	25	41	60	60	62	62	56	45	45	50	50	45	38	60	70	70	61	56	22	27	43	46	46	28	37	37	45	45	44	46.3
	Minimum	12	4	12	25	26	36	34	28	26	27	19	24	35	16	18	27	38	36	33	11	6	1	10	34	11	− 1	7	8	4	32	33	20.4
Union	Maximum	35	35	44	57	56	56	....	66	55	46	40	47	56	....	53	56	66	70	72	64	....	26	34	42	50	32	38	....	40	41	41	48.8
	Minimum	14	6	11	36	36	38	....	42	37	25	14	21	40	....	17	25	41	36	36	19	....	2	10	28	18	5	13	....	11	21	32	23.5
White Sulphur Spgs§	Maximum	30	58	59	48	54	64	64	51	48	52	54	45	34	46	61	68	72	70	38	28	28	30	30	21	34	38	40	44	42	40	....	46.7
	Minimum	4	8	19	34	32	42	44	38	26	14	14	30	22	18	22	36	44	38	18	6	0	8	23	16	3	9	7	8	12	32	24	20.8
Williamson§	Maximum	27	38	46	48	60	55	62	60	43	34	39	51	54	30	43	55	71	69	63	26	23	33	38	38	20	30	36	23	38	36	39	42.9
	Minimum	21	15	16	24	35	45	45	54	40	30	25	25	28	29	26	26	42	48	46	23	13	12	12	25	20	10	10	16	14	16	29	26.5

§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXII PARKERSBURG, W. VA., YEAR, 1924—No. 13

APR 7 1925

GENERAL SUMMARY

The year 1924 was decidedly colder and wetter than usual. The average temperature, 50.5°, was the lowest of State record, except for 1917, and the average precipitation, 47.84 inches, was exceeded in only two of the other 33 years of record. The snowfall, however, was only slightly above the average.

Every month averaged cool, except August and November, and the averages for those months were only slightly above the normals. The departures were greatest for January, March, May, and September.

Until October the precipitation was deficient in only April and July, and the deficiencies for those months were unimportant. October was the driest month of State record, and the precipitation was also considerably deficient in November and December.

Owing to an exceptionally cool May the early season of growth was decidedly unfavorable. The cool and wet weather in September was also unfavorable for late growth and harvesting. The season of growth extended from about May 5 to October 22, being slightly longer than usual.

The average cloudiness was near the normal. The sunshine for Parkersburg averaged 50 per cent of the possible amount, or 3 per cent above the average. The average at Elkins was 45 per cent, or normal.

The wind movement at Parkersburg was 47,505 miles and at Elkins 47,227 miles.

THE WEATHER BY MONTHS

JANUARY.—January was moderately warm, with heavy rainfall. The snowfall, however, was the lightest of January State record, except in 1896. Slight to moderate floods occurred early in the month. The rivers in the eastern panhandle counties were also high on the 17th. The conditions were unfavorable for winter grains.

FEBRUARY.—February was characterized by nearly continuously cold weather after the 5th and by frequent and well distributed rains. Sleet or glaze storms occurred in many localities on the 17th and 19-20th, causing some damage to fruit trees and telegraph and telephone wires. Heavy rain on the 19-20th caused marked rises in the rivers. The conditions were unfavorable for winter grains.

MARCH.—March was considerably colder than usual, the mid-day temperatures being generally especially low. The snowfall was nearly twice the average. Excessive rain during the last decade caused floods over the northern counties. Fruit buds were dormant at the close of the month.

APRIL.—April was somewhat cooler and drier than usual. Frequent showers in nost of the agricultural districts delayed plowing and seeding. Moderately heavy now for the season fell on the 1st. At the close of the month wheat was in poor condiion, having been badly winter-killed.

Continued on page 51

TEMPERATURE AND PRECIPITATION DATA FOR 1924

Month	Temperature in degrees Fahrenheit				Precipitation in inches				Sky			Prevailing direction of the wind
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest local amount	Number of rainy days	Clear	Pt. Cloudy	Cloudy	
nuary	30.1	− 2.7	70	−15	4.62	+0.57	2.42	10	13	5	13	W.
bruary	31.6	− 0.4	74	−16	3.21	+0.15	2.95	11	8	6	15	W.
rch	38.9	− 3.9	83	4	4.16	+0.33	3.62	11	10	7	14	W.
ril	50.5	− 0.8	88	12	3.24	−0.36	1.67	12	12	6	12	W.
y	55.5	− 6.3	93	23	7.20	+3.21	3.52	17	9	7	15	W.
ne	68.7	− 0.1	98	32	4.67	+0.08	3.75	13	13	8	9	W.
ly	70.0	− 2.8	99	36	4.49	−0.17	2.30	11	16	9	6	W.
gust	71.7	+ 0.1	104	34	4.63	+0.27	4.06	9	18	8	5	W.
tember	60.7	− 4.8	100	26	5.96	+3.11	2.95	12	11	7	12	W.
tober	54.6	− 0.2	87	14	0.40	−2.57	1.21	2	23	4	4	W.
vember	42.9	+ 0.2	87	9	2.65	−0.54	1.41	9	10	6	14	W.
ember	33.1	− 0.2	83	− 8	2.58	−0.79	2.16	10	10	6	15	W.
nual	50.7	− 1.8	104	−16	47.21	+3.32	4.00	127	153	79	134	W.

EVAPORATION

Monthly evaporation [inches]; wind movement [miles]

Name of Station.		Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.
Clarksburg	Evaporation	2.425	3.681	4.005	5.871	5.961	5.307	3.379	2.702	.....
	Wind Movement	2,965	2,102	1,601	1,091	1,031	768	1,014	817	1,613

Station established June 1, 1923.

Dates on which First and Last Killing Frost Occurred or Minimum Temperature Fell to 32 Degrees

Station	Last in Spring	First in Autumn	Station	Last in Spring	First in Autumn
Bancroft	April 23	Oct. 21	Moorefield	May 5	Sept. 6
Bayard	May 25	Sept. 7	Morgantown	April 21	Oct. 21
Beckley	April 23	Oct. 1	Moundsville	May 10	Oct. 21
Benson	May 25	Oct. 10	New Cumberland	April 23	Oct. 21
Bens Run	April 8	Oct. 21	New Martinsville	May 5	Oct. 21
Bluefield	April 7	Oct. 22	Parkersburg	April 8	Oct. 23
Brandywine	May 31	Sept. 6	Parsons	May 25	Oct. 9
Brownsville	May 30	Oct. 2	Philippi	April 10	Oct. 14
Buckhannon	May 5	Oct. 23	Piedmont	May 5	Oct. 10
Burlington	May 5	Oct. 8	Pickens	May 31	Sept. 11
Cairo	......	Oct. 11	Powellton	April 13	Oct. 22
Charleston	April 2	Oct. 21	Ravenswood	April 23	Oct. 21
Cheat Bridge	May 31	Sept. 6	Robertsburg	April 24	Oct. 21
Clarksburg	April 24	Oct. 21	Romney	May 5	Oct. 9
Creston	April 24	Oct. 21	Ryan	May 5	Oct. 1
Elkins	April 27	Oct. 21	Smithfield	May 5	Oct. 21
Fairmont	April 22	Oct. 21	Spencer	April 23	Oct. 19
Gary	April 12	Oct. 22	Sutton	April 25	Oct. 21
Glenville	April 23	Oct. 21	Terra Alta	June 5	Sept. 7
Hinton	April 19	Oct. 22	Union	May 2	Oct. 2
Huntington	April 3	Oct. 23	Upper Tract	May 11	Oct. 3
Inwood	......	Oct. 10	Valley Chapel	May 5	Oct. 11
Janelew	May 24	Oct. 1	Wardensville	May 5	Sept. 25
Lewisburg	May 10	Oct. 2	Wellsburg	May 5	Sept. 11
Lost Creek	May 25	Oct. 2	Weston	May 6	Oct. 21
Mannington	May 5	Oct. 10	Wheeling	May 4	Oct. 21
Marlinton	May 23	Sept. 6	White Sulphur Springs	May 16	Oct. 9
Martinsburg	April 20	Oct. 22	Williamson	April 4	Oct. 24

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Precipitation			Number of days			
	State mean	Highest	Lowest	State average	Greatest local amount	Average snowfall	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	.....	.....	45.96	.....					
1892	52.1	99	−12	38.33	7.20	.....	.....	.....	.....	.....
1893	52.0	99	−25	39.82	7.85	.....	116	.....	.....	.....
1894	53.5	103	−29	34.52	7.48	.....	102	155	114	96
1895	51.5	107	−21	32.82	7.69	.....	100	150	111	104
1896	53.6	97	−10	43.49	15.70	.....	111	132	128	106
1897	53.5	103	−18	41.59	8.42	.....	116	141	113	111
1898	54.8	103	−13	47.61	11.57	20.6	117	133	129	103
1899	53.2	100	−35	40.97	8.64	36.1	108	142	107	116
1900	54.1	104	−11	37.62	9.00	30.6	114	135	116	114
1901	52.1	104	−11	44.78	11.10	28.2	116	128	95	142
1902	52.8	104	−14	42.19	9.95	49.1	112	128	118	119
1903	52.0	105	−19	40.55	12.30	29.3	112	151	102	112
1904	50.9	98	−20	33.33	8.29	31.7	111	148	110	108
1905	52.3	100	−22	45.53	10.64	35.3	117	144	102	119
1906	54.0	101	−11	44.36	11.15	40.2	130	134	101	130
1907	51.7	98	−23	52.15	13.36	35.0	138	128	102	135
1908	53.7	101	−16	40.47	11.45	38.0	116	155	110	101
1909	53.0	101	−10	43.02	10.50	30.3	126	143	109	113
1910	52.3	98	−11	38.60	13.16	47.4	118	140	103	122
1911	51.6	106	− 5	47.13	12.63	23.2	131	140	97	128
1912	51.7	100	−34	43.78	14.02	33.9	124	159	81	126
1913	53.9	103	− 4	49.02	10.53	31.6	122	162	79	124
1914	52.3	106	−22	39.71	10.05	67.7	116	153	81	131
1915	52.8	101	− 8	43.76	11.38	29.4	125	146	84	135
1916	52.6	104	−18	44.63	10.79	43.9	121	157	92	117
1917	49.9	104	37	44.33	14.20	54.6	123	163	74	128
1918	53.2	110	−27	44.77	10.28	37.7	122	160	83	122
1919	54.0	104	−16	47.27	13.08	16.8	118	164	78	123
1920	52.0	99	−11	41.62	9.70	25.7	120	147	75	144
1921	55.6	101	−10	45.45	10.67	22.4	122	145	93	127
1922	54.1	100	−15	41.57	8.19	25.8	117	164	68	133
1923	52.7	102	−20	46.03	12.42	23.9	125	161	73	131
1924	50.5	104	−16	47.84	10.88	36.1	129	154	79	133
1891-1924	52.8	110	−37	42.78	15.70	34.2	119	147	97	121

CLIMATOLOGICAL DATA FOR THE YEAR 1924

Stations	Counties		Temperature (degrees Fahrenheit)						Precipitation (inches)								Sky			
		Elevation, feet	Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Number rainy days	Number clear days	Number partly cloudy days	Number cloudy days	Prevailing direction of wind
PANHANDLE DIVISION																				
Bayard	Grant	2,700	23	46.6	92	Aug. 31	-12	Feb. 24	23	58.70	9.92	May	0.78	Oct.	79.5	153	164	69	133*	sw.
Brandywine	Pendleton		9	48.2	93	Aug. 7†	-2	Jan. 7	9	36.15	5.75	May	0.75	Oct.	32.0	75	200	18	148	sw.
Burlington	Mineral	875	31	53.8	102	Aug. 9	3	Jan. 6†	31	40.43	12.20	May	0.30	Oct.	37.0	63	199	93	74*	w.
Harpers Ferry	Jefferson	244							36	41.85	10.24	May	1.14	Dec.		95				
Inwood	Berkeley	569	3		100	Sept. 1			3		8.64	May	0.74	Oct.						
Martinsburg	Berkeley	435	33		104	Aug. 6	5	Jan. 5†	33	40.30	8.60	May	0.69	Aug.	35.3	107	188	138	40	w.
Moorefield	Hardy	900	29		104	Aug. 6			29		8.09	May	0.90	Dec.						
Piedmont	Mineral	919	9	49.6	94	Sept. 1	-2	Feb. 24	9	36.28	7.73	May	0.09	Oct.	42.5	105	156	81*	129	nw.
Romney	Hampshire	824	28				-4	Dec. 22	28		9.51	May	0.76	Oct.						
Stony River Dam	Grant		5						5	48.03	10.54	May	0.22	Oct.	73.6	136	84	67	215	w.
Upper Tract	Pendleton	1,230	26	47.4	95	Aug. 7	-2	Jan. 6†	26	23.29	5.60	May	0.15	Oct.		42				
Wardensville	Hardy	1,200	7		97	Aug. 5			7		8.88	May	0.95	Dec.						
Averages and extremes				49.1	104	Aug. 6	-12	Feb. 24		40.62	10.24	May	0.09	Oct.	50.0	97	165	78	123	w.
NORTHERN DIVISION																				
Aberdeen	Upshur	1,060	1						1				0.22	Oct.						w.
Bens Run	Pleasants	622	24	52.7	96	Aug. 6	-2	Jan. 5	24	42.87	6.25	Sept.	0.10	Oct.	28.0	116	196	86	84	
Benson	Harrison	1,080	1	51.0	94	Aug. 6	-4	Jan. 6	1	49.05	7.12	Sept.	0.17	Oct.	23.3	143				
Brownsville	Lewis	1,032	1		96	Aug. 6	-5	Jan. 6	1	49.62	7.54	May	0.37	Oct.	43.4	137	155	112	99	
Bruceton Mills	Preston	1,549							14	51.22	6.43	June	0.34	Oct.	70.2	145	50	162	154	sw.
Buckhannon	Upshur	1,411	29	50.2	89	Aug. 6	-3	Jan. 6	34	52.49	8.09	May	0.38	Oct.	32.5	113	164	72	130	
Cairo	Ritchie	680	25		97	Aug. 6			20				0.43	Oct.						
Cheat Bridge	Randolph	3,558	2		96	June 20	-16	Feb. 16	5	58.57	8.42	May	0.36	Oct.	107.5	145	216	49	101*	
Clarksburg	Harrison	1,015	3	52.6	96	Aug. 6†	-3	Jan. 6	3	47.78	6.53	Sept.	0.19	Oct.	24.8	157	134	98	134	nw.
Cortland	Tucker	3,300							9		8.54	May	0.72	Oct.	78.0					
Crawford	Lewis	1,087	2						2	59.21	9.33	May	0.23	Oct.		147	176	125	65	
Creston	Wirt	701	24	52.5	96	June 20†	-2	Jan 6†	24	48.23	7.02	May	0.20	Oct.	14.2	132	118	26	222	w.
Dam 10 Mon. R.	Marion	786							9	45.00	6.43	May	0.21	Oct.		152				
Dam 12 O. R.	Ohio	605							9	45.06	6.89	Aug.	0.11	Oct.		143				
Dam 13 O. R.	Ohio	557							9	42.69	5.97	Sept.	0.14	Oct.		145				
Dam 15 Mon. R.	Monongalia	839							3	46.72	7.02	May	0.24	Oct.		156				
Davis	Tucker	3,093							15	60.20	9.69	May	0.50	Oct.	90.9	169				w.
Elizabeth	Wirt	646							14	44.80	6.19	Sept.	0.23	Oct.		117				
Elkins	Randolph	1,940	25	48.4	90	Aug. 6	-7	Jan. 6	25	50.99	8.88	May	0.26	Oct.	42.4	172	60	127	179	w.
Fairmont	Marion	883	20	50.5	96	Aug. 31	-3	Jan. 6	33	48.36	6.84	Aug.	0.45	Oct.	37.0	162	233	6	127	w.
Glenville	Gilmer	738	32	53.3	98	Aug. 7	-2	Jan. 6	38	51.00	7.40	May	0.45	Oct.	25.4	141	150	102	114	w.
Horner	Lewis	1,044	2						2	53.11	9.34	Aug.	0.36	Oct.	22.0	110				
Janelew (near)	Lewis	1,020	2	52.6	95	July 22†	-5	Jan. 5	2	51.24	7.48	Aug.	0.44	Oct.		118	188	73	105	sw.
Lost Creek	Harrison	1,026	28	49.3	91	Aug. 6	-5	Jan. 6	29	48.19	6.85	May	0.24	Oct.	21.7	121	137	90	139	w.
Mannington	Marion	974	23	49.9	91	June 20†	-2	Jan. 6†	23	47.57	6.98	Aug.	0.22	Oct.	24.8	152	123	94	149	w.
Morgantown	Monongalia	1,250	33		94	Aug. 6			51		5.35	May	0.07	Oct.						sw.
Moundsville	Marshall	642	23		95	Aug 30			23		5.62	Sept	0.19	Oct.						sw.
New Cumberland	Hancock	987	28	48.9	96	Aug. 31	-3	Jan. 6†	28	43.44	7.19	Sept	0.15	Oct.	24.5	134	145	47	174	s.
New Martinsville	Wetzel	634	32	51.8	99	Aug. 5	-4	Jan. 6	33	45.01	6.50	May†	0.15	Oct.	11.0	98	157	73	136	s.
Parkersburg	Wood	638	37	52.7	98	Aug. 6	-1	Jan 6	37	36.56	5.28	Sept.	0.25	Oct.	18.5	133	107	94	165	sw.
Parsons	Tucker	1,656	26	48.2	93	June 19	-7	Feb. 16	26		10.36	May	0.24	Oct.			164	71	131	
Philippi	Barbour	1,149	29	51.7	91	Aug. 6	-5	Jan. 6†	32	51.92	8.48	May	0.44	Oct.		126	140	66	160	w.
Pickens	Randolph	2,697	23	47.2	90	Aug. 31†	-14	Jan. 6	35	72.31	10.27	May	0.62	Oct.	127.0	143	166	68*	132*	w.
Roanoke	Lewis	1,050	2						2	51.18	8.46	May	0.34	Oct.	25.2	135				
Rowlesburg	Preston	1,375							40	58.12	8.63	May	0.57	Oct.		142				
Saint Marys	Pleasants	577							16	48.05	7.21	May	0.12	Oct.	9.0	146				sw.
Smithfield	Wetzel	835	20	50.3	96	Aug. 31	-7	Jan 5†	20	50.81	6.83	May	0.30	Oct.	25.4	152	219	39	108	se.
Terra Alta	Preston	2,612	26	44.0	85	Aug. 6	-11	Jan. 6†	26	52.69	7.92	May	0.50	Oct.	70.1	168	114	102	150	w.
Valley Chapel	Lewis	1,011	2	52.9	97	Aug. 6	-6	Jan. 6	2	49.52	6.83	May	0.27	Oct.	17.8	135	190	78	98	w.
Vandalia	Lewis	1,020	2						2				0.42	Oct.						
Wellsburg	Brooke	1,225	25	49.8	96	Aug. 6	-6	Dec. 26	33	44.38	5.82	Jan.	0.23	Oct.	14.5	118	156	98	112*	w.
Weston	Lewis	1,026	30	50.9	95	Aug. 7	-3	Jan. 6	36	48.87	7.38	May	0.40	Oct.		134				
Wheeling	Ohio	645	39	50.4	102	Aug. 31	-4	Jan. 6	41	44.45	6.22	May	0.09	Oct.	24.5	149	127	85	154	sw.
Averages and extremes				50.5	102	Aug. 31	-16	Feb. 16		49.76	10.36	May	0.07	Oct.	39.0	139	152	81	133	w.
SOUTHERN DIVISION																				
Bancroft	Putnam	574	22	51.6	93	Aug. 6	-3	Jan. 6	22	49.69	8.00	Sept.	0.61	Oct.	16.7	171	157	39	170	se.
Beckley	Raleigh	2,440	25	49.3	88	June 19†	-10	Jan. 6	25		9.56	May	0.33	Oct.			147	105	114*	w.
Bluefield	Mercer	2,558	30	53.8	90	July 29†	-8	Jan. 6	30	41.73	6.71	Sept.	0.43	Oct.	60.3	135				
Camden-on-Gauley	Webster	2,062							8	45.22	8.12	May	0.20	Oct.		46				s.
Charleston	Kanawha	597	22				-2	Jan. 6	40	45.76	6.26	May	0.36	Oct.	9.9	119				
Clay	Clay	706							9	53.38	8.60	Aug.	0.31	Oct.		151				
Dam 19 O. R.	Wood	557							8	42.45	7.31	Sept.	0.13	Oct.		142				
Dam 20 O. R.	Wood	551							7	45.75	7.26	Sept	0.24	Oct.		144				
Dam 26 O. R.	Mason	505							9	41.01	6.50	June	0.10	Oct.		104				
Gary	McDowell	1,426	7	52.2	96	Aug. 5†	-4	Jan. 6	7	45.37	6.97	Sept.	0.36	Oct.						
Hinton	Summers	1,450	28		93	Sept. 1	-4	Jan. 6	36		5.90	May	0.40	Oct.						s.
Huntington	Cabell	538	29	53.0	93	June 19†	2	Jan 6†	30	47.11	6.50	Sept.	0.30	Oct.	10.4	116	150	43	173	w.
Kanawha Falls	Fayette	618							8	49.86	9.02	May	0.27	Oct.		101				
Kayford	Kanawha	1,335							8	55.14	9.96	May	0.50	Oct.	33.0	170				
Lewisburg	Greenbrier	2,200	25	49.9	91	Aug. 6	-7	Jan. 6	33	40.29	6.03	Aug.	1.05	Oct.	30.5	108	167	76	123*	nw.
Logan	Logan	700	21				-2	Jan. 5	21	52.55	8.06	May	0.43	Oct.		125				
Marlinton	Pocahontas	2,131	26	45.5	86	Aug. 5†	-10	Jan. 6	26	52.43	7.68	Sept	0.10	Oct.	21.5	121	69	212	85	sw.
Organ Cave	Greenbrier		3						3		6.21	Aug.	1.25	Oct.						
Point Pleasant	Mason	553	32						35	42.05	5.97	June	0.30	Oct.	12.6	120	183	6	177	ne.
Powellton	Fayette	933	29						29		8.53	May	0.20	Oct.						
Ravenswood [Dam 22]	Jackson	538	2						10	42.60	6.30	Sept	0.25	Oct.		108				nw.
Robertsburg	Putnam	574	25	51.7	97	Aug. 6	-3	Jan. 6	25	44.72	7.14	June	0.32	Oct.	13.0	126	185	0	181	
Ryan	Roane	700	22	51.0	94	Aug. 6	-5	Jan. 6	22	52.43	7.58	June	0.45	Oct.	28.5	152	143	78	145	
Sharples	Logan		5						5	57.94	8.80	Sept.	0.28	Oct.		97				
Spencer	Roane	784	20	50.1	91	June 20†	-3	Jan. 6	27	46.88	7.56	Sept	0.36	Oct.	25.3	110	57	185	124	
Sutton	Braxton	839	21	51.2	96	Aug. 30†	-6	Jan. 6	21	57.92	10.88	May	0.00	Oct.	51.0	115	228	0	133	
Union	Monroe	2,250	21	52.0	93	June 20†	-9	Jan. 6	21	45.02	6.53	Aug.	0.89	Oct.	22.0	119				
White Sulphur Springs	Greenbrier	1,940	15	49.5	93	June 18†	-6	Jan. 5	15	39.60	7.37	Aug.	0.62	Jan.		146	213	56	97	
Williamson	Mingo	660	25	52.5	91	June 20	0	Jan. 6	25	47.84	8.97	Sept.	0.61	Oct.	5.0	139	165	87	114	w.
Averages and extremes				51.0	97	Aug. 6	-10	Jan. 6		47.39	10.88	May	0.00	Oct.	24.3	124	155	74	137	w.
State averages and extremes				50.5	101	Aug. 6	-16	Feb. 16		47.84	10.88	May	0.00	Oct.	36.0	129	154	79	133	w.

* 1 day interpolated from nearby stations

† And other dates

Monthly and Annual Mean Temperatures for the Year 1924, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
PANHANDLE DIVISION																										
Bayard	27.4	-0.6	27.0	-0.4	34.8	-2.9	45.2	-1.5	52.2	-4.6	64.8	+1.5	65.2	-2.4	67.3	+1.3	56.6	-3.4	49.4	+0.6	38.4	+0.2	30.4	+1.9	46.6	-0.9
Brandywine	28.7	.....	29.1	.....	36.3	.....	46.0	.....	52.2	.....	66.2	.....	67.8	.....	69.2	.....	58.2	.....	50.1	.....	42.0	.....	32.2	.....	48.2	.....
Burlington	34.4	+3.7	31.4	+4.1	42.6	+1.4	51.5	-0.9	59.4	-2.1	71.3	+3.0	73.8	+1.2	74.8	+3.6	64.2	0	56.4	+2.5	47.2	+0.5	35.9[a]	+3.7	53.8	+1.7
Inwood	.....	.....	.....	.....	40.7	.....	49.0[i]	.....	57.8	.....	68.4	.....	71.3[b]	.....	72.8	.....	62.3	.....	54.8	.....	.....	.....	.....	.....	.....	.....
Martinsburg	29.6	-0.9	32.7[e]	+2.7	41.4[a]	+0.1	52.1[a]	+0.6	61.5[h]	-1.6	.....	.....	74.6[a]	-0.7	74.4[a]	+1.5	63.9[a]	-2.0	57.2[a]	+2.6	45.2[a]	+2.5	34.0[a]	+1.3	.....	.....
Moorefield	.....	.....	.....	.....	41.0	-2.9	50.0	-4.8	58.2	-5.1	70.5	+0.9	72.1[d]	-2.1	73.8	+0.5	62.6	-4.1	54.5	-1.1	42.4[d]	-1.3	34.2[d]	+1.1	.....	.....
Piedmont	30.0	.....	29.6	.....	38.0	.....	48.4	.....	55.8	.....	67.6	.....	69.0	.....	70.4	.....	59.8	.....	53.3	.....	41.5	.....	32.2	.....	49.6	.....
Romney	29.5[a]	-1.4	31.0[b]	-1.2	39.4[c]	-3.2	50.8[e]	-0.8	57.8[j]	-5.2	70.8[f]	+0.9	73.2[f]	-1.7	.....	.....	.....	.....	54.9[a]	-0.3	43.0[b]	+0.3	35.3[i]	.....	.....	.....
Upper Tract	27.4[d]	-5.9	28.1[a]	-4.1	37.4[h]	-5.5	47.8[e]	-3.2	51.7[i]	-9.7	65.6[g]	-2.9	65.8[d]	-6.2	68.2[f]	+2.8	57.4[k]	-8.1	48.9[h]	-6.6	40.6[b]	-3.0	29.8[j]	.....	47.4	.....
Wardensville	.....	.....	.....	.....	.....	.....	.....	.....	55.1[a]	.....	68.0[a]	.....	69.0[a]	.....	70.0[a]	.....	58.4[a]	.....	53.8[a]	.....	45.3[k]	.....	33.4[a]	.....	.....	.....
NORTHERN DIVISION																										
Bens Run	31.2	-0.9	33.0	+1.2	40.3	-2.9	53.5	+1.3	57.0	-6.2	70.8	+0.5	72.6	-2.3	74.2	+0.4	63.4	-4.3	57.6	+0.9	44.3	+1.0	34.3	+0.9	52.7	-0.9
Benson	30.5	.....	32.4	.....	39.9	.....	51.1	.....	55.8[a]	.....	69.2	.....	70.1	.....	71.8	.....	61.5	.....	53.2[a]	.....	42.5[a]	.....	34.0	.....	51.0	.....
Brownsville	31.6	.....	32.8	.....	40.2	.....	50.7	.....	.....	.....	70.3	.....	71.2	.....	73.3	.....	62.6	.....	55.0	.....	43.4	.....	34.4	.....	.....	.....
Buckhannon	30.4	-1.3	32.2	+0.7	39.0	-2.6	50.3	-0.8	55.6	-6.3	68.8	+0.2	69.0	-3.0	70.0	-0.3	60.1	-3.9	52.0	-1.4	41.9	+0.5	33.3	+0.3	50.2	-1.5
Cairo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	72.9	+0.1	61.1	-6.8	56.8[j]	0	42.8	-1.0	33.3	-0.9	.....	.....
Cheat Bridge	.....	.....	22.1[a]	.....	29.4[a]	.....	40.6[a]	.....	46.4[a]	.....	61.8[b]	.....	60.2[a]	.....	62.8[b]	.....	51.4[a]	.....	43.6[a]	.....	31.9[a]	.....	27.4[a]	.....	.....	.....
Clarksburg	33.6	.....	32.8	.....	41.4	.....	52.0	.....	57.4	.....	70.9	.....	72.0	.....	74.1	.....	63.4	.....	56.0	.....	43.4	.....	34.4	.....	52.6	.....
Creston	31.2	-2.2	32.8	0	40.6	-3.6	53.0	0	57.2	-6.3	71.1	+0.5	72.1	-2.5	74.1	+0.7	62.4	-4.8	56.2	+0.4	44.2	+0.5	35.1	+1.2	52.5	-1.3
Elkins	28.6	-1.8	29.6	-2.0	36.5	-3.5	47.6	-1.2	52.6	-6.6	66.5	-0.4	67.2	-3.1	69.1	0	58.7	-4.3	52.2	-0.1	41.0	+0.7	31.8	-0.9	48.4	-2.0
Fairmont	27.6	-5.1	30.4	-1.8	37.8	-3.9	49.9	-1.9	55.1	-7.3	69.2	-1.1	71.2	-3.0	73.1	-0.1	62.2	-4.4	56.7	-1.2	42.2	-0.2	31.0	-2.9	50.5	-2.7
Glenville	30.4	-2.5	33.6	+0.9	42.2	-2.1	53.8	+0.4	57.9	-5.6	71.8	+1.0	73.8	-1.1	76.0	+2.1	64.4	-3.3	56.0	0	44.2	+0.6	35.7	+0.7	53.3	-0.7
Janelew	34.4	.....	32.4	.....	40.8	.....	51.8	.....	57.4	.....	71.0	.....	72.6	.....	74.0	.....	62.6	.....	55.6	.....	43.4	.....	35.8	.....	52.6	.....
Lost Creek	29.5	-3.2	30.2	-0.8	38.6	-4.1	49.2	-1.0	53.6	-7.5	66.7	-1.1	67.6	-4.6	69.4	-1.6	60.0	-4.9	52.8	-2.0	41.8	-0.4	32.4	-1.4	49.3	-2.7
Mannington	30.0	-1.2	30.8	-0.2	38.8	-4.1	49.6	-1.6	55.0	-6.0	68.0	-0.1	69.0	-3.0	70.2	-0.7	60.1	-4.5	52.6	-1.9	41.6	+0.3	32.6	+0.1	49.9	-1.9
Morgantown	.....	.....	30.8	-0.5	37.8	-4.2	51.1	-0.1	56.8	-5.7	69.8[b]	+0.7	71.2[a]	-2.3	72.4[a]	+0.1	62.6[b]	-4.7	55.8[a]	+0.3	44.4[a]	+1.0	33.6	+0.1	.....	.....
Moundsville	.....	.....	.....	.....	.....	.....	51.2[k]	-0.6	54.3[a]	-8.9	68.2[a]	-1.6	70.1[a]	-3.1	71.9[a]	-1.0	61.0[a]	-5.9	54.2[a]	-1.8	41.6[b]	-1.6	31.0[a]	-2.1	.....	.....
New Cumberland	25.5	-2.7	27.4	-0.3	36.0	-4.0	47.6	-1.7	54.6	-6.1	67.7	-0.2	70.5	-2.3	71.2	+0.3	60.8	-4.1	54.6	+0.1	41.2	-0.1	29.6	-1.2	48.9	-1.9
New Martinsville	30.4	-2.4	31.8	-0.4	39.4	-4.2	51.6	-1.4	56.0	-7.6	69.6	-0.8	72.0	-3.3	73.8	-0.3	63.0	-3.4	56.4	-0.7	44.6	+0.1	33.0	-1.8	51.8	-2.2
Parkersburg	30.2	-2.3	33.4	-0.8	40.0	-2.8	53.6	+0.2	57.7	-6.1	71.0	-0.4	72.6	-2.8	74.9	+1.0	62.8	-4.5	57.6	+1.5	44.6	+0.8	33.6	-1.6	52.7	-1.5
Parsons	27.6	-3.6	28.8	-0.9	36.7	-3.2	47.4	-1.3	52.8	-6.4	66.6	+0.5	68.4	-1.7	70.0	+0.8	58.0	-4.8	51.4	-1.6	39.8	-1.1	30.5	-0.7	48.2	-2.0
Philippi	31.5	-1.4	32.2	+1.0	39.9	-2.6	52.2	+1.0	56.8	-4.9	69.6	+1.2	70.4	-2.0	71.6	-0.1	61.8	-3.5	56.2	+1.7	44.2	+1.1	34.4	+1.1	51.7	-0.6
Pickens	27.0	-4.3	27.6	-4.0	33.7[a]	-6.0	47.6[a]	-0.7	51.8	-7.0	65.2	+0.1	65.8[b]	-2.8	67.4	+0.6	56.9	-4.7	52.4[a]	0	40.4	-0.2	30.0	-2.1	47.2	-2.6
Smithfield	27.4	-3.2	29.3	-1.3	38.4	-3.2	50.6[a]	-0.4	54.8	-6.2	69.6	+1.7	71.4	-0.7	73.0	+2.0	61.6	-2.9	54.9	+1.3	41.2	+0.1	31.2	-0.3	50.3	-1.1
Terra Alta	24.7	-3.1	23.9	-3.9	31.9	-7.1	42.6	-4.6	49.0	-10.0	61.8	-4.0	62.5	-6.6	64.7	-3.2	54.0	-8.3	48.5	-3.4	36.4	-5.1	27.8	-2.2	44.0	-5.1
Valley Chapel	32.2	.....	33.3	.....	41.8	.....	52.2	.....	57.8	.....	70.4	.....	72.2	.....	74.0	.....	63.8	.....	56.0	.....	44.8	.....	36.0	.....	52.9	.....
Wellsburg	28.4	-1.3	29.6	+2.1	38.2	-1.0	49.0	0	55.2	-5.3	68.8	+1.2	70.2	-1.6	70.8	+0.4	60.5	-3.7	53.4	-0.7	41.6	+0.3	31.4	+0.4	49.8	-0.8
Weston	31.7	-1.7	31.0[a]	-0.7	40.5	-3.3	50.8[c]	-1.7	55.6	-7.5	68.5	-1.8	72.0	-2.3	74.0[a]	+1.0	62.2	-4.6	53.8[b]	-1.7	41.8[f]	-1.5	29.2[f]	.....	50.9	.....
Wheeling	26.6	-4.0	29.2	-1.6	37.0	-4.2	50.6[a]	-1.5	56.2[a]	-6.7	69.8	-1.1	72.1	-2.8	73.6	+0.2	62.3	-4.1	55.9[a]	+0.3	41.6	-0.5	29.6	-2.3	50.4	-2.4
SOUTHERN DIVISION																										
Bancroft	29.3	-5.1	32.5	-1.2	40.4	-4.1	53.1	-0.4	56.2	-7.6	70.0	-0.9	70.6	-3.8	72.3	-1.3	61.0	-7.3	55.8	-1.6	43.7	-0.8	34.3	-0.6	51.6	-2.9
Beckley	24.1[a]	-9.1	30.4	-2.9	35.5	-7.9	47.6	-2.1	55.0	-5.2	67.4	+0.2	69.9	-1.4	70.0	+0.1	59.8	-3.7	57.4	+2.2	42.2	-0.6	32.6	-0.8	49.3	-2.6
Bluefield	35.1	+0.6	35.7	+1.8	42.5	-1.8	53.9	+0.1	58.3	-3.6	70.2	+1.4	70.2[b]	-1.3	72.0[a]	+1.1	61.2[c]	-5.7	58.8[e]	+2.8	49.7[c]	+5.3	38.4[b]	+3.2	53.8	+0.3
Charleston	37.3	-1.2	38.0	-0.4	42.2[c]	-6.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	58.4[c]	-0.9	46.4	-1.8	36.1	-3.6	.....	.....
Gary	33.0[d]	.....	34.1[d]	.....	40.0[e]	.....	53.2[c]	.....	53.2[e]	.....	67.4[e]	.....	68.1[c]	.....	74.6[d]	.....	63.2	.....	57.2	.....	45.6	.....	36.2	.....	52.2	.....
Green Sulphur Springs	.....	.....	.....	.....	.....	.....	51.6	+0.8	56.0	-5.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hinton	31.2	-3.0	34.3	+0.3	41.2	-3.0	52.5	-0.4	57.1	-6.7	70.6	+0.1	70.2	-3.9	72.6	-1.1	62.4	-5.2	58.3	+1.7	.....	.....	.....	.....	.....	.....
Huntington	30.0	-2.8	34.2	+1.6	41.2[a]	-3.4	54.4	+0.4	58.3	-6.6	72.8	+0.2	72.8	-3.6	74.0	-0.8	62.1	-6.1	56.6	+0.4	44.4	+0.8	35.3[a]	+0.9	53.0	-1.6
Lewisburg	29.8	-2.1	31.4	-0.6	38.4	-3.6	49.7	-0.4	55.0	-4.6	67.6	+0.4	68.3	-2.7	69.5	-0.4	59.3[a]	-4.8	52.4	-1.2	42.8	+1.3	34.6[e]	+2.4	49.9	-1.4
Logan	36.2	-3.3	37.7	-1.8	43.9	+8.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marlinton	24.6	-3.6	27.3	-1.7	34.0	-4.6	45.0	-2.1	51.7	-6.3	63.6	-1.2	64.2	-4.4	65.9	-1.3	55.6	-5.8	49.2	-1.1	37.2	-0.6	28.0	-1.1	45.5	-2.8
Point Pleasant	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45.2	+0.2	35.6	+0.4	.....	.....
Powellton	.....	.....	36.4[m]	+0.8	42.8[m]	-2.9	54.6[i]	+0.1	59.7[f]	-4.2	.....	.....	.....	.....	.....	.....	.....	.....	62.4[e]	+6.5	.....	.....	.....	.....	.....	.....
Ravenswood [Dam 22]	.....	.....	33.7	.....	41.4	.....	54.0	.....	58.3	.....	70.8	.....	73.0	.....	.....	.....	.....	.....	57.2	.....	45.0	.....	36.1	.....	.....	.....
Robertsburg	28.0	-5.4	32.3	-0.6	39.3	-5.3	52.8	-0.1	56.6	-7.3	71.2	-0.1	72.8	-2.6	73.8	-0.6	62.4	-5.7	56.1	-1.3	43.1	-0.1	32.4	-1.6	51.7	-2.6
Ryan	28.6[a]	-4.7	31.6	-1.6	38.4	-5.5	52.6	+0.2	56.4	-5.8	69.4	+0.3	70.3	-3.0	72.4	-0.7	60.8	-5.5	55.0	+0.2	43.2	+0.3	33.8	-0.1	51.0	-2.2
Spencer	28.8	-4.8	32.6	-1.2	39.0	-3.9	51.4[a]	-1.1	52.2	-10.4	67.0	-2.9	69.2	-4.4	71.0	-1.7	59.0	-6.9	52.2	-3.0	45.5	+2.1	33.4	-1.1	50.1	-3.3
Summersville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	68.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sutton	32.4	-1.2	33.0	-1.5	39.0	-6.6	49.6	-3.5	54.6	-10.7	67.6	-5.2	69.6	-6.7	72.5	-3.3	63.5	-6.6	55.6	-2.9	44.2	+0.4	33.4	-0.2	51.2	-4.0
Union	32.4[d]	-0.2	33.2[d]	+0.1	40.3[e]	-2.7	51.9[i]	+1.3	57.6[i]	-3.2	69.4[e]	+2.4	70.0[d]	-1.0	71.6[e]	+1.0	61.9[d]	-3.2	54.5[d]	+0.4	44.8[e]	+3.8	36.2[d]	+4.3	52.0	+0.2
White Sulphur Springs	26.6	-6.3	28.2	-7.1	35.8	-8.9	49.6	+1.6	55.6	-5.2	69.4	+2.5	69.2[a]	-1.4	71.6[a]	+0.7	59.2[a]	-5.0	52.2[a]	-0.8	42.8[a]	0	33.8[a]	+3.0	49.5	-2.2
Williamson	30.5	-5.4	34.8	-1.3	40.1	-6.7	53.0	-2.0	57.4	-8.0	71.9	-0.1	71.4	-4.1	73.8	-1.1	61.8	-7.5	56.0	-2.5	44.6	-0.6	34.7	-2.2	52.5	-3.5

Reference letters indicate number of days missing; [a] one day, [b] two days, etc.

THE WEATHER BY MONTHS

Continued from page 49

MAY.—The weather for May was remarkable. For only one May of record was the average temperature lower and the rainfall was the greatest of any May. Floods occurred in the northern and central counties and in the Ohio River to below Point Pleasant. Owing to flooding, many fields had to be replowed and some replanted. Farm work was nearly at a standstill and germination and growth were much retarded.

JUNE.—June was characterized by scattered heavy rains and a long period of cool weather. Excessive rain on the 8-9th caused marked floods in McDowell and Mercer counties. The flood in the Elkhorn Valley was comparable with that of 1901. Heavy rain over the northern portion of the State also caused floods in the smaller streams. Considerable damage was caused to crops on low bottoms.

JULY.—July was exceptionally cool. The temperature was above 90 degrees at only six stations, and the lowest readings ranged generally from 42 degrees to 47 degrees. At the close of the month corn was about two weeks late. A moderate hail storm, causing some damage, passed eastward over Harrison County from Bridgeport to Wilsonburg.

AUGUST.—The August rainfall occurred mostly during thunderstorms and was unfavorably distributed. A heavy shower during the night of the 24-25th along the border of Harrison and Lewis counties washed several bridges from their foundations and caused much damage to crops. Crops and farm work were from two to three weeks late at the close of the month.

SEPTEMBER.—September was exceptionally wet and cool, being the wettest September of record and the coolest September, except one. Low temperature on the morning of the 6th caused much damage to corn in the mountain regions. Practically half of the month's rainfall occurred on the last three days, causing floods in the smaller streams and high stages in the rivers for the season, damaging and destroying much corn.

OCTOBER.—October was the driest month of State record. Owing to the lateness of the season and the heavy rain at the close of September, the drought caused but slight damage. There is no record of a pleasanter month.

NOVEMBER.—The first half of November was fair, warm and dry, but the last half was cloudy and cold, with frequent rains and snows. The snowfall averaged nearly twice the normal.

DECEMBER.—December was mostly moderately warm during the first and second decades but was unusually cold during the last decade. The precipitation was below the normal, the snowfall being exceptionally light. The rivers were low.

Monthly and Annual Precipitation for the Year 1924, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
PANHANDLE DIVISION																										
Bayard	4.72	−0.48	4.09	+0.70	7.86	+3.48	3.97	+0.12	9.92	+5.70	5.08	+0.18	6.36	+1.42	3.59	−1.02	6.00	+2.58	0.78	−2.64	3.11	+0.65	3.22	−0.68	58.70	+10.01
Brandywine	2.90	......	1.20	......	3.05	......	2.35	......	5.75	......	5.60	......	3.65	......	3.25	......	4.30	......	0.75	......	1.95	......	1.40	......	36.15	......
Burlington	3.05	+0.40	0.90	−1.49	5.78	+2.72	2.92	+0.09	12.20	+8.51	3.60	−0.37	2.10	−1.59	3.70	−0.10	2.80	−0.19	0.30	−1.97	1.00	−1.76	2.08	−0.52	40.43	+ 3.73
Harpers Ferry	4.60	+1.85	1.95	−0.54	5.49	+2.45	3.29	+0.23	10.24	+6.66	3.29	−0.53	1.65	−1.95	1.84	−1.98	5.09	+2.28	1.28	−1.56	1.99	−0.25	1.14	−1.48	41.85	+ 5.18
Inwood	......	......	......	......	4.32	......	......	......	8.64	......	3.87	......	3.12	......	1.98	......	4.40	......	0.74	......	......	......	......	......	......	......
Martinsburg	4.04	+1.44	2.81	+0.38	5.91	+2.69	2.83	−0.32	8.60	+4.91	3.64	−0.72	3.02	−0.84	0.69	−3.18	4.68	+1.87	0.76	−1.96	1.83	−0.33	1.49	−1.23	40.30	+ 2.71
Moorefield	......	......	......	......	4.28	+1.61	2.16	−0.83	8.09	+4.54	2.86	−1.30	2.52	−0.87	1.76	−1.48	4.13	+1.57	1.05	−1.18	1.71	+0.10	0.90	−1.36	......	......
Piedmont	1.13	......	2.18	......	4.46	......	3.40	......	7.73	......	4.97	......	3.52	......	2.31	......	4.39	......	0.09	......	1.36	......	0.69	......	36.23	......
Romney	2.87	+0.14	2.23	−0.03	5.37	+2.27	2.71	−0.31	9.51	+5.88	3.56	−0.56	3.80	+0.26	......	......	......	......	0.76	−1.74	1.50	−0.47	......	......	......	......
Stony River Dam	3.69	......	1.27	......	5.21	......	3.04	......	10.54	......	5.79	......	5.25	......	3.34	......	5.35	......	0.22	......	2.30	......	2.03	......	48.03	......
Upper Tract	2.10	−0.45	0.84	−0.85	3.20	+0.66	0.72	−1.75	5.60	+2.42	1.90	−2.29	2.20	−1.60	1.60	−2.15	3.95	+1.63	0.15	−2.05	0.45	−1.08	0.58	−1.63	23.29	− 9.14
Wardensville	......	......	......	......	......	......	......	......	8.88	......	1.91	......	2.50	......	5.05	......	5.83	......	1.04	......	1.70	......	0.95	......	......	......
NORTHERN DIVISION																										
Aberdeen	......	......	......	......	......	......	......	......	......	......	......	......	5.74	......	7.54	......	5.10	......	0.22	......	2.10	......	2.12	......	......	......
Bens Run	4.08	−0.33	3.77	+0.58	4.45	+0.31	2.94	−1.14	5.48	+0.95	2.90	−1.62	4.27	−0.28	4.43	+0.21	6.25	+3.90	0.10	−3.01	1.73	−0.82	2.47	−1.29	42.87	− 2.54
Benson	5.26	......	3.48	......	3.46	......	3.74	......	6.98	......	4.35	......	5.85	......	4.61	......	7.12	......	0.17	......	2.09	......	1.94	......	49.05	......
Brownsville	5.06	......	3.56	......	4.24	......	3.92	......	7.54	......	4.81	......	4.07	......	6.29	......	5.22	......	0.37	......	2.26	......	2.28	......	49.62	......
Bruceton Mills	5.96	+0.70	4.78	+1.42	4.42	+1.01	4.66	+0.96	5.70	+1.31	6.43	+1.85	5.57	+0.27	2.43	−2.22	6.08	+2.56	0.34	−3.44	1.67	−0.98	3.18	−0.42	51.22	+ 3.02
Buckhannon	4.38	−0.13	4.09	−0.18	4.75	+0.23	4.25	−0.01	8.09	+3.47	3.69	−1.20	4.79	−0.55	6.75	+2.65	6.03	+2.90	0.38	−3.08	2.38	−1.08	2.91	−1.10	52.49	+ 1.92
Cairo	......	......	......	......	......	......	......	......	......	......	......	......	......	......	2.49	−1.13	7.89	+5.28	0.43	−2.65	2.28	−0.39	2.24	−1.52	......	......
Cheat Bridge	7.14	......	3.74	......	6.01	......	3.42	......	8.42	......	6.28	......	5.35	......	3.91	......	7.52	......	0.36	......	2.94	......	3.48	......	58.57	......
Clarksburg	5.03	......	3.52	......	3.81	......	3.46	......	6.45	......	4.74	......	4.21	......	6.17	......	6.53	......	0.19	......	1.63	......	2.04	......	47.78	......
Cortland	4.18	−0.63	1.49	−2.40	6.10	+1.95	4.81	+1.29	8.54	+4.05	6.16	+1.38	6.16	+0.16	4.11	−0.03	......	......	0.72	−2.64	1.50	−0.80	2.52	−0.99	......	......
Crawford	4.44	......	3.28	......	6.01	......	6.37	......	9.33	......	6.69	......	5.93	......	4.73	......	7.33	......	0.23	......	2.33	......	2.54	......	59.21	......
Creston	4.97	+1.12	3.72	+0.83	3.50	−0.52	2.35	−1.66	7.02	+3.14	5.85	+1.55	5.10	+1.08	4.42	+0.97	6.52	+3.94	0.20	−2.81	1.92	−0.58	2.66	−0.67	48.23	+ 6.39
Dam 10, Mon. R.	5.31	......	3.51	......	4.55	......	3.45	......	6.43	......	2.85	......	4.40	......	5.15	......	5.91	......	0.21	......	1.05	......	2.18	......	45.00	......
Dam 12, O. R.	5.50	......	2.76	......	4.46	......	3.06	......	5.85	......	4.13	......	2.62	......	6.89	......	5.50	......	0.11	......	1.78	......	2.40	......	45.06	......
Dam 13, O. R.	4.94	......	2.62	......	4.16	......	3.24	......	5.57	......	4.39	......	2.96	......	4.75	......	5.97	......	0.14	......	1.37	......	2.58	......	42.69	......
Dam 15, Mon. R.	5.70	......	3.29	......	4.08	......	3.12	......	7.02	......	2.75	......	4.48	......	6.90	......	5.70	......	0.24	......	1.48	......	1.96	......	46.72	......
Davis	5.50	−0.32	5.33	+1.15	6.39	+2.08	4.05	+0.08	9.69	+5.54	5.92	+1.00	6.86	+1.30	3.68	−1.30	5.67	+1.90	0.50	−3.65	2.33	−0.64	4.28	−0.56	60.20	+ 6.58
Elizabeth	5.23	+0.61	3.75	+1.09	3.65	−0.43	2.76	−0.86	6.14	+2.45	4.37	+0.55	4.13	−0.16	3.84	−0.53	6.19	+3.50	0.23	−3.52	2.07	−0.40	2.44	−0.87	44.80	+ 1.43
Elkins	3.64	+0.30	4.07	+0.78	4.41	+0.34	4.15	+0.86	8.88	+4.90	5.18	+0.14	5.86	+1.22	3.81	+0.16	5.39	+2.52	0.26	−2.16	2.65	−0.21	2.69	−0.73	50.99	+ 8.12
Fairmont	5.72	+1.78	4.72	+1.71	5.20	+1.29	3.27	−0.21	6.69	+2.71	2.71	−1.78	3.62	−1.11	6.84	+3.30	5.48	+2.88	0.45	−2.29	1.47	−1.25	2.19	−1.31	48.36	+ 5.72
Glenville	5.46	+1.11	3.70	−0.03	3.97	−0.27	4.83	+1.09	7.40	+3.19	4.50	+0.03	4.78	−0.51	4.98	+1.07	6.50	+3.23	0.45	−2.60	2.32	−0.66	2.11	−1.58	51.00	+ 4.07
Horner	4.92	......	3.99	......	3.10	......	4.17	......	7.82	......	4.16	......	5.42	......	9.34	......	5.54	......	0.36	......	2.57	......	1.72	......	53.11	......
Janelew	5.01	......	3.30	......	4.01	......	3.61	......	7.02	......	3.72	......	7.23	......	7.48	......	5.31	......	0.44	......	1.96	......	2.15	......	51.24	......
Lost Creek	5.61	+1.55	3.29	+0.23	3.13	−0.96	3.66	+0.30	6.85	+2.56	3.91	−0.28	4.97	+0.19	6.27	+2.25	6.02	+3.24	0.24	−2.49	1.89	−0.61	2.35	−1.14	48.19	+ 4.84
Mannington	5.64	+1.03	3.34	+0.55	4.59	+0.84	3.14	+0.83	6.66	+2.61	2.44	−1.78	4.55	−0.42	6.98	+3.06	6.16	+2.99	0.22	−2.72	1.36	−1.14	2.49	−1.03	47.57	+ 4.82
Morgantown	......	......	......	......	2.60	−1.11	2.97	−0.38	5.35	+1.73	2.39	−2.15	5.07	0	3.86	−0.34	5.29	+2.23	0.07	−3.08	0.84	−2.06	1.19	−1.93	......	......
Moundsville	......	......	......	......	......	......	2.84	−0.28	4.75	+1.45	3.51	+0.03	3.66	−0.81	2.12	−1.47	5.62	+3.11	0.19	−2.92	1.63	−0.12	1.79	−1.50	......	......
New Cumberland	4.50	+1.74	2.53	+0.16	3.63	+0.27	3.89	+0.53	4.77	+1.47	6.89	+2.22	2.79	−1.50	2.98	−0.50	7.19	+4.66	0.15	−2.84	1.67	−0.18	2.45	−0.18	43.44	+ 5.85
New Martinsville	5.10	+1.34	3.45	+0.47	3.95	+0.30	3.70	+0.11	6.50	+2.76	2.53	−1.54	5.30	+0.50	3.75	+0.25	6.50	+3.85	0.15	−2.73	1.48	−1.16	2.60	−0.96	45.01	+ 3.19
Parkersburg	4.70	+1.51	3.07	−0.28	3.37	−0.45	3.24	+0.33	4.05	+0.59	3.25	−1.40	3.75	−0.91	1.44	−2.09	5.28	+2.56	0.25	−2.19	1.67	−1.16	2.49	−0.28	36.56	− 3.77
Parsons	......	......	4.88	+1.46	5.51	+1.45	3.40	−0.45	10.36	+6.46	4.63	−0.61	5.40	+0.28	2.15	−1.64	4.15	+1.03	0.24	−2.64	2.54	0	2.94	−0.85	......	......
Philippi	5.36	+1.03	3.63	+0.26	4.69	+0.49	4.07	+0.14	8.48	+4.20	4.56	+0.04	6.17	+1.19	4.54	+0.49	5.74	+2.60	0.44	−2.44	2.19	−0.60	2.05	−1.78	51.92	+ 5.62
Pickens	5.40	−1.27	8.18	+3.11	6.74	+0.96	5.53	+0.49	10.27	+4.94	6.25	+0.13	7.63	+1.26	3.21	−1.90	8.68	+4.75	0.62	−3.45	4.11	+0.26	5.69	+0.49	72.31	+ 9.77
Roanoke	4.96	......	3.58	......	3.51	......	4.44	......	8.46	......	4.99	......	5.82	......	5.69	......	5.67	......	0.34	......	1.81	......	1.91	......	51.18	......
Rowlesburg	5.92	+1.42	5.94	+2.53	6.70	+2.40	4.14	+0.13	8.63	+4.27	5.49	+0.47	7.06	+2.04	3.09	−0.78	5.55	+2.48	0.57	−2.46	2.25	−0.83	2.78	−1.09	58.12	+10.58
St. Marys	5.43	+0.87	3.37	+0.17	4.41	+0.79	3.01	−0.89	7.21	+3.35	3.89	+0.12	4.92	+0.81	3.95	−0.81	6.77	+4.27	0.12	−3.28	1.95	−0.53	3.02	−0.48	48.05	+ 4.39
Smithfield	6.02	+1.19	3.71	+0.09	5.71	+1.74	3.38	−0.52	6.83	+2.65	2.90	−1.69	6.13	+0.74	5.37	+0.91	6.29	+3.10	0.30	−3.13	1.42	−1.55	2.75	−1.33	50.81	+ 2.20
Terra Alta	6.67	+1.37	2.52	−1.25	4.76	−0.06	4.32	+0.30	7.92	+2.93	4.89	−2.09	6.73	+1.17	2.57	−2.42	6.35	+2.73	0.50	−3.12	2.71	−0.37	2.75	−2.41	52.69	− 3.22
Valley Chapel	5.13	......	3.32	......	3.81	......	3.68	......	6.83	......	3.99	......	5.69	......	5.86	......	6.57	......	0.27	......	2.09	......	2.28	......	49.52	......
Vandalia	......	......	......	......	......	......	......	......	......	......	......	......	7.42	......	5.42	......	7.12	......	0.42	......	2.13	......	2.68	......	......	......
Wellsburg	5.82	+2.38	2.32	−0.36	4.41	+1.19	3.96	+0.85	5.65	+2.17	3.33	−1.16	4.48	−0.11	2.78	−1.06	5.81	+3.01	0.23	−2.72	2.37	+0.22	3.22	+0.15	44.38	+ 4.56
Weston	5.25	+1.08	4.04	+0.30	3.15	−1.32	4.06	+0.01	7.38	+3.07	4.28	−0.27	4.18	−0.79	6.08	+2.15	5.80	+2.91	0.40	−2.71	2.43	−0.80	1.82	−1.88	48.87	+ 1.75
Wheeling	5.26	+2.11	2.92	+0.39	4.18	+1.12	2.75	−0.38	6.22	+2.76	4.04	+0.23	3.54	−1.06	5.66	+1.99	5.54	+3.04	0.09	−2.52	1.90	−0.53	2.35	−0.62	44.45	+ 6.53
SOUTHERN DIVISION																										
Arbovale	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	2.54	......	......	......
Bancroft	4.83	+0.43	2.85	−0.06	3.51	−0.43	1.86	−1.97	6.08	+1.94	7.36	+3.00	4.16	+0.12	4.86	+0.44	8.00	+5.21	0.61	−2.57	2.01	−0.39	3.56	+0.21	49.69	+ 5.93
Beckley	2.90	−1.02	......	......	1.60	−2.26	2.28	−1.66	9.56	+6.14	5.63	+1.20	2.29	−1.94	4.89	+1.83	5.88	+3.40	0.33	−2.44	1.79	−0.60	......	......	......	......
Bluefield	2.92	−0.30	3.59	+0.54	3.20	−0.46	3.25	−0.13	3.91	+0.27	5.83	+1.05	3.36	−1.11	3.47	−0.95	6.71	+4.05	0.43	−2.45	2.10	−0.18	2.96	+0.05	41.73	+ 0.38
Camden-on-Gauley	4.80	......	2.60	......	3.60	......	3.80	......	8.12	......	4.87	......	5.81	......	2.30	......	4.12	......	0.20	......	2.20	......	2.80	......	45.22	......
Charleston	3.68	+0.27	2.34	−0.24	3.62	−0.78	1.79	−1.94	6.26	+2.22	5.34	+0.83	4.84	+0.69	5.70	+1.34	6.01	+2.94	0.36	−2.49	2.75	−0.22	3.07	−0.25	45.76	+ 2.37
Clay	3.51	......	3.20	......	3.98	......	3.21	......	8.11	......	6.32	......	4.83	......	8.60	......	5.27	......	0.31	......	2.50	......	3.54	......	53.38	......
Dam 19 O. R.	5.59	......	2.98	......	3.68	......	2.89	......	5.89	......	3.43	......	3.78	......	1.95	......	7.31	......	0.13	......	1.92	......	2.90	......	42.45	......
Dam 20 O. R.	5.90	......	3.21	......	3.78	......	2.70	......	5.57	......	5.69	......	4.25	......	2.77	......	7.26	......	0.24	......	1.44	......	2.94	......	45.75	......
Dam 26 O. R.	5.46	......	3.22	......	2.92	......	2.18	......	4.38	......	6.50	......	2.05	......	4.70	......	5.00	......	0.10	......	1.68	......	2.82	......	41.01	......
Gary	4.42	......	2.31	......	3.27	......	2.10	......	5.86	......	5.39	......	3.30	......	5.30	......	6.97	......	0.36	......	3.48	......	2.61	......	45.37	......
Green Sulphur Springs	......	......	......	......	......	......	4.73	+0.30	8.37	+4.71	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Hinton	4.32	+1.11	3.18	+0.13	2.96	−1.09	3.28	0	5.90	+2.13	4.32	+0.09	2.89	−1.15	4.38	+0.52	5.30	+2.54	0.40	−2.16	......	......	......	......	......	......
Huntington	5.10	+1.18	3.06	−0.07	2.76	−1.58	2.10	−1.62	5.92	+1.89	5.94	+1.68	4.54	+0.30	5.04	+1.33	6.50	+3.95	0.30	−2.18	1.89	−0.82	3.96	+0.55	47.11	+ 4.61
Kanawha Falls	3.47	......	2.38	......	1.96	......	2.14	......	9.02	......	6.78	......	3.90	......	8.33	......	6.18	......	0.27	......	2.40	......	3.03	......	49.86	......
Kayford	4.25	......	3.37	......	3.57	......	2.83	......	9.96	......	4.02	......	6.49	......	7.00	......	6.88	......	0.50	......	3.01	......	3.26	......	55.14	......
Lewisburg	4.05	+0.52	3.09	+0.13	2.58	−1.38	2.85	−0.59	5.05	+1.41	2.54	−1.70	3.09	−0.99	6.03	+2.47	4.49	+1.66	1.05	−1.80	2.51	+0.05	2.96	+0.12	40.29	− 0.10
Logan	4.35	−0.43	2.57	−1.33	5.95	+0.70	1.87	−2.93	8.06	+3.90	4.84	−0.57	4.95	+0.05	5.80	+2.15	7.29	+4.30	0.43	−2.32	2.05	−0.82	4.39	−0.19	52.55	+ 2.51
Marlinton	5.26	+1.19	3.41	+0.02	3.65	−0.71	3.53	+0.19	6.49	+2.48	4.54	−0.42	5.06	−0.27	5.85	+1.22	7.68	+4.57	0.10	−2.89	3.11	+0.37	3.75	+0.09	52.43	+ 5.84
Organ Cave	......	......	......	......	......	......	2.39	......	5.73	......	2.78	......	2.49	......	6.21	......	4.42	......	1.25	......	......	......	......	......	......	......
Point Pleasant	5.31	+1.41	3.42	−0.02	3.28	−0.85	2.49	−0.85	5.27	+1.41	5.97	+1.57	2.80	−1.30	3.52	+0.40	4.73	+2.40	0.30	−2.42	1.95	−0.80	3.01	−0.22	42.05	+ 0.73
Powellton	3.04	−0.91	2.22	−0.83	......	......	1.97	−1.70	8.53	+4.43	......	......	......	......	......	......	......	......	0.20	−2.19	......	......	......	......	......	......
Ravenswood	5.15	......	2.35	......	2.89	......	1.87	......	6.20	......	5.07	......	2.74	......	5.31	......	6.30	......	0.25	......	2.05	......	2.42	......	42.60	......
Robertsburg	4.70	+0.70	3.47	+0.45	2.71	−1.37	1.62	−2.12	5.68	+2.08	7.14	+3.09	3.34	−0.40	4.19	+0.91	6.34	+4.03	0.32	−2.46	2.06	−0.31	3.15	−0.31	44.72	+ 4.32
Ryan	4.79	+0.57	3.52	+0.15	4.53	+0.21	3.11	−0.74	7.26	+3.56	7.58	+3.11	4.57	+0.01	4.40	+0.54	6.81	+4.02	0.45	−3.00	2.41	−0.07	3.00	−0.45	52.43	+ 7.91
Sharples	4.65	......	2.92	......	3.95	......	3.66	......	7.70	......	6.80	......	5.12	......	8.15	......	8.80	......	0.28	......	2.12	......	4.39	......	57.94	......
Spencer	4.14	−0.26	3.42	+0.38	3.52	−0.42	2.42	−1.21	6.06	+2.36	5.70	+1.35	4.05	+0.24	5.13	+1.57	7.56	+4.62	0.36	−2.85	2.14	−0.30	2.38	−0.99	46.88	+ 4.49
Summersville	......	......	......	......	......	......	......	......	......	......	......	......	4.92	......	......	......	......	......	......	......	......	......	......	......	......	......
Sutton	3.96	−1.06	3.60	+0.30	4.81	+0.78	2.97	−1.22	10.88	+6.39	7.63	+2.60	7.24	+2.07	4.60	+0.26	7.54	+4.38	0.00	−3.09	2.69	−1.27	2.60	−1.34	57.92	+ 8.30
Union	4.31	+0.70	1.45	−1.26	5.13	+1.69	3.17	+0.28	5.75	+2.99	4.60	+0.28	2.98	−1.64	6.53	+2.68	4.78	+2.18	0.89	−1.95	2.93	+0.94	2.20	−0.32	45.02	+ 6.57
White Sulphur Springs	0.62	−1.96	1.86	−2.36	2.62	−2.50	2.69	−0.39	5.94	+2.07	4.00	−0.56	3.45	−1.60	7.37	+3.71	4.93	+1.80	1.25	−2.57	1.24	−1.17	3.63	+0.47	39.60	− 5.06
Williamson	4.56	+0.24	3.27	+0.12	3.40	−1.20	2.09	−1.80	5.76	+1.95	5.11	+0.48	3.87	−0.39	3.95	+0.41	8.97	+5.95	0.61	−2.15	2.51	−0.08	3.74	−0.10	47.84	+ 3.43

(WBO, Cleveland, 3-30-25—860)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIII Parkersburg, W. Va., January, 1925 No. 1

GENERAL SUMMARY

While the temperature averaged more than 1° below the normal, there was but one cold day until the 27th, although the temperature was slightly below the normal on three or four other days. The 23d was a moderately cold day. Exceptionally cold weather prevailed on the 27th and 28th, the coldest weather for the State since 1918. The 29th and 30th were also moderately cold days, but the month closed with the temperature practically normal.

The precipitation was also slightly deficient but quite favorably distributed, although the amounts received over the eastern panhandle counties were generally somewhat in excess. The greater part of the precipitation in the mountain counties fell as snow, the snowfall for the State being the heaviest for any month since January, 1918.

The conditions were generally favorable for winter grains, even during the cold period, when there was a good snow-cover. The weather was also generally favorable for outdoor work.

TEMPERATURE

The monthly mean for the State, determined from the records of 54 stations, was 31.1°. The departure from the normal for 43 stations having ten or more years of record was −1.2°. The emperature was above the normal from the 1st to the 8th, 16th o the 22d and on the 25-26th, the highest readings occurring enerally on the 7th and 25th. On the morning of the 28th the emperature ranged from near zero over the southern counties to rom 5° to 27° below zero in the northern counties. Cold eather also continued until the last day of the month.

PRECIPITATION

The average precipitation for the State, determined from the cords of 85 stations, was 3.81 inches. The departure from the ormal for 48 stations having ten or more years of record was -0.27 inch. Precipitation was quite general on the 1st-3d, h, 10-13th, 16-17th, 19-20th and 26 30th, the greatest amounts ing received on the 17th, 20th, 27th and 29th. In the more evated localities the precipitation was mostly snow on the 1st- and snow and rain on the 10-13th and 19-20th. The prepitation was all snow on the 26-30th, when the amounts nged generally from about 5 inches to more than 20 inches. e snowfall was heaviest over the eastern panhandle counties.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bruceton Mills, 16th; Pickens, 3d and 20th; ilippi, 17th; Wellsburg, 16th; Terra Alta, 3d; Wheeling, h, 15th, 24th, 28th and 31st.

Sleet: Bayard, 3d; Lost Creek, 8th; Arbovale, Beckley, Marlinton, and Terra Alta, 10th; Cairo, Elkins, Horton, Martinsburg, and Parkersburg, 11th; Elkins, Fairmont, Horton, Marlinton, and Terra Alta, 12th; Lost Creek and Terra Alta, 13th; Arbovale, Bayard, and Piedmont, 16th; Arbovale, Bructon Mills, Elkins, Horton, Mannington, Marlinton, Moundsville, Smithfield, Terra Alta, and Union, 19th; Bayard, Brandywine, Horton, Fairmont, Martinsburg, Moundsville, Morgantown, Piedmont, Smithfield, Terra Alta, and Wheeling, 20th; Cairo and Parkersburg, 21st; Crawford, Elkins, Horton, Marlinton, and Union, 27th; Brownsville, 28th; Benson, Clarksburg, Crawford, Elkins, Fairmont, Horton, Lost Creek, Marlinton, Smithfield, and Terra Alta, 29th.

MAR 3 1925

A solar eclipse was observed generally throughout the state on the morning of the 24th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.20	84	68	87	141.0	46	6,188	8.3	27	ne.	26
Columbus, Ohio	30.19	78	67	75	123.6	41	7,591	10.2	41	nw.	22
Elkins	30.21	85	69	75	125.8	41	4,548	6.1	29	nw.	22
Lexington, Ky	30.21	85	77	....	115.0	38	10,355	13.9	35	sw.	7
Parkersburg	30.21	79	65	68	98.0	32	3,894	5.2	32	w.	22
Pittsburgh, Pa	30.20	80	72	70	137.4	46	8,984	12.1	53	nw.	22
Wytheville, Va	30.27	84	71	73	118.0	38	4,613	6.2	27	nw.	22

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (inches)	Clear	Partly Cloudy	Cloudy
1891	31.7	.....	.....	3.64	.....	.....	.....	.....	.....	.....
1892	29.4	76	−3	3.15	.....	.....	.....	.....	.....	.....
1893	22.6	71	−25	2.49	.....	.....	.....	7	7	17
1894	36.6	70	−8	2.41	4.23	0.83	.....	12	8	11
1895	25.0	69	−21	4.48	6.53	2.37	.....	6	9	16
1896	32.4	72	−6	1.57	2.72	0.67	1.8	9	14	8
1897	28.8	69	−18	1.70	2.85	0.90	4.0	10	7	14
1898	37.1	75	−5	5.10	8.04	2.24	5.0	6	9	16
1899	32.1	70	−21	4.05	7.01	2.05	7.5	10	7	14
1900	34.5	74	−10	2.24	3.60	0.82	1.9	9	8	14
1901	33.6	69	−4	2.41	3.87	1.18	7.3	8	7	16
1902	30.2	64	−1	3.65	8.52	1.45	9.8	9	7	15
1903	31.8	79	−7	3.21	6.45	1.55	8.6	8	7	16
1904	27.5	72	−18	2.72	5.82	1.24	10.8	9	8	14
1905	26.4	70	−14	3.15	7.43	1.48	22.0	7	7	17
1906	38.2	80	−5	3.79	8.70	1.36	5.1	11	7	13
1907	38.7	76	−15	6.41	11.54	2.35	5.6	6	7	18
1908	31.0	62	−16	2.92	8.19	0 50	12.8	12	7	12
1909	36.8	76	−5	3.41	6.59	1.50	8.7	8	6	17
1910	32.0	67	−5	5.68	10.10	2.52	15.4	6	6	19
1911	37.3	71	−5	5.86	12.63	3.11	7.0	8	6	17
1912	23.5	66	−34	2.60	6.93	1.10	13.6	7	8	16
1913	40.7	74	9	6.23	10.53	1.84	5.7	9	6	16
1914	35.8	83	−11	3.18	5.65	1.55	15.6	7	6	18
1915	31.7	68	−8	4.85	11.38	2.00	10.4	8	6	17
1916	38.8	79	−10	4.86	8.52	1.70	6.1	11	7	13
1917	33.2	77	−9	4.66	7.67	1.72	8.3	11	6	14
1918	20.7	55	−27	4.24	9.22	2.00	21.5	8	5	18
1919	34.1	69	−16	3.79	6.66	1.60	6.9	16	4	11
1920	28.7	77	−11	4.12	7.26	0.40	3.9	8	6	17
1921	35.5	71	−2	2.76	5.94	0.10	4.3	11	6	14
1922	30.2	68	−15	2.75	4.81	1.01	10.8	12	6	13
1923	35.2	68	−1	4.46	7.60	1.13	4.4	7	5	19
1924	30.1	70	−15	4.62	7.14	0.62	1.8	13	5	13
1925	31.1	65	−27	3.81	7.07	1.32	15.8	11	4	16
Means and extremes	32.0	83	−34	3.72	12.63	0.10	8.7	9	7	15

Climatological Data for January, 1925

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,700	24	27.2	− 0.8	50	7†	−25	28	46	4.35	−0.85	0.68	28.0	20	14	3	14	sw.	U. G. Clark
Brandywine	Pendleton	....	9	25.2	....	47	26	−20	28	40	3.65	....	0.75	30.0	9	15	0	16	n.	Elmer Keister
Burlington	Mineral	875	31	28.1	− 2.6	59	18	−20	28	50	2.08	−0.57	0.64	26.0	4	15	8	8	n.	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	36	....	....	....	....	....	....	....	3.86	+1.11	0.79	27.5	7	....	....	....	....	J. C. Newcomer
Martinsburg	Berkeley	435	33	29.2^{a}	− 1.3	60^{a}	25	− 5	28	49^{b}	3.72	+1.12	0.70	21.5	12	17	7	7	nw.	Dr. H. S. Gardner
Moorefield	Hardy	900	29	29.2	− 2.7	63	25	−27	28	73	4.44	+1.89	1.20	52.0	8	18	2	11	....	M. S. Henkel
Piedmont	Mineral	919	12	28.0	....	53	25	−15	28	37	3.24	....	1.07	27.2	11	13	4	14	se.	C. A. Suter, Jr.
Romney	Hampshire	824	27	29.2^{d}	− 1.7	62^{d}	25	−20^{d}	28	51^{e}	....	....	....	....	....	....	....	....	....	Richard A. Bergdoll
Stony River Dam	Grant	3,300	5	....	....	....	....	....	....	....	2.94	....	0.64	31.0	13	6	7	18	w.	A. C. Becker
Upper Tract	Pendleton	1,230	26	26.6^{f}	− 6.7	56^{f}	26	−18^{f}	28	35^{f}	2.44	−0.11	0.88	29.0	7	13^{b}	0^{b}	16^{b}	....	J. M. Mallow
Wardensville	Hardy	1,200	7	28.5^{a}	....	58^{a}	24	−25	28	54^{d}	3.18	....	0.80	39.0	9	16	1	14	ne.	Luther F. Sutton
Averages and	extremes	....	....	27.9	− 2.6	63	25	−27	28	73	3.39	+0.43	1.20	31.1	10	14	4	13	n.	
Northern Division																				
Aberdeen	Upshur	1,060	1	....	....	....	....	....	....	....	4.96	....	1.21	9.4	17	9	6	16	nw.	L. Else Bond
Bens Run	Pleasants	622	23	33.4	− 1.3	59	27	− 7	28	49	3.60	−0.81	0.75	18.5	11	13	4	14	....	J. D. Riggs
Benson	Harrison	1,080	2	32.6	....	57	7†	−22	28	51	4.63	....	1.12	10.1	17	8	8	15	....	R. D. Marts
Brownsville	Lewis	1,032	2	34.0	....	59	8†	−14	28	53	4.86	....	1.24	17.2	15	11	4	16	....	S. L. Montgomery
Bruceton Mills	Preston	1,549	5	....	....	....	....	....	....	....	3.96	−1.30	0.97	25.1	13	4	9	18	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	28	32.8	− 1.1	54	7	−15	28	40	4.70	+0.19	1.08	9.0	16	13	1	17	....	H. A. Darnall
Cairo	Ritchie	680	26	31.2	− 3.7	56	7	−17	28	45	3.75	−0.80	0.85	7.5	10	9	3	19	....	O. C. Hess
Cheat Bridge	Randolph	3,558	7	23.1^{a}	....	48^{a}	15	−22	28	48^{a}	4.21	....	0.67	21.5	12	14	1	16	....	H. F. Cromer
Clarksburg	Harrison	1,015	3	30.3	....	59	8	− 8	28	40	3.89	....	0.98	9.0	15	6	8	17	nw.	Clarksburg Water Board
Cortland	Tucker	3,300	14	....	....	....	....	....	....	....	4.34	−0.47	1.12	29.0	8	8	2	21	....	G. W. Harmon
Crawford	Lewis	1,087	2	....	....	....	....	....	....	....	4.89	....	1.14	8.0	15	14	4	13	....	J. Cecil Owens
Creston	Wirt	701	23	33.4	0	59	7	−16	28	48	3.80	−0.05	0.81	6.0	14	10	0	21	w.	J. M. Reed
Dam 10 Mon. R.	Marion	786	4	....	....	....	....	....	....	....	3.31	....	0.90	13.0	13	....	....	....	....	Lockmaster
Dam 12 O. R.	Ohio	614	9	....	....	....	....	....	....	....	2.09	....	0.62	....	9	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	605	9	....	....	....	....	....	....	....	2.91	....	0.90	....	13	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	839	4	....	....	....	....	....	....	....	3.53	....	0.86	16.0	16	....	....	....	....	Lockmaster
Davis	Tucker	3,093	16	....	....	....	....	....	....	....	4.06	−1.76	1.17	22.4	12	8	4	19	w.	Ross C. Male
Elizabeth	Wirt	646	13	....	....	....	....	....	....	....	3.17	−1.45	0.75	....	8	....	....	....	....	E. D. Ball
Elkins	Randolph	1,947	21	32.3	+ 1.9	56	25	−15	28	48	4.12	+0.78	0.89	11.2	17	6	8	17	w.	U. S. Weather Bureau
Evenwood	Randolph	....	0	....	....	....	....	....	....	....	5.07	....	0.78	19.5	19	5	11	15	se.	Claude A. Cunningham
Fairmont	Marion	883	19	30.0	− 2.7	55	7†	− 9	28	40	3.92	−0.06	0.87	23.0	17	15	0	16	w.	Creed E. Bolyard
Glenville	Gilmer	738	31	34.1	+ 1.0	61	27	−17	28	49	3.92	−0.43	0.95	9.0	14	10	5	16	w.	Howard R. Brannon
Horner	Lewis	1,044	2	....	....	....	....	....	....	....	5.01	....	1.21	12.4	12	13	4	14	....	Thomas E. Miles
Horton	Randolph	2,775	0	....	....	....	....	....	....	....	3.67	....	0.60	33.9	12	7	7	17	se.	J. W. White
Janelew(near)^{a}	Lewis	1,020	2	33.6	....	59	7	−21	28	54	4.70	....	1.28	8.0	11	12	2	16	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	27	31.1	− 1.6	56	7†	−21	28	47	5.25	+1.19	1.24	10.5	14	13	3	15	w.	Allen Smith
Mannington	Marion	974	22	31.6	+ 0.4	54	7	−19	28	47	3.86	−0.75	0.94	16.6	15	11	5	15	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	32	33.0	+ 1.1	59	25	− 9	28	43	2.65	−1.22	1.10	17.0	8	6^{a}	6^{a}	18^{a}	sw.	Prof. E. L. Andrews
Moundsville	Marshall	642	22	29.8^{a}	− 2.1	56^{a}	7†	−12	28†	41^{b}	2.83	−0.30	0.56	15.8	9	6	11	14	sw.	Fred N. Wilson
New Cumberland	Hancock	987	27	27.3	− 0.9	54	24	− 7	28†	39	2.19	−0.57	0.51	29.0	8	11	0	20	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	31	32.1	− 0.7	60	7	− 9	28	42	3.45	−0.31	0.65	9.0	9	13	1	17	s.	Wm. Ankrom
Parkersburg	Wood	638	38	33.0	+ 0.5	58	7	− 5	28	33	2.71	−0.48	0.69	9.7	14	7	6	18	sw.	U. S. Weather Bureau
Parsons	Tucker	1,656	25	28.9^{k}	− 2.3	53^{k}	25	−10^{k}	28	43^{k}	4.30	−0.47	....	7.0	....	9^{l}	0^{l}	10^{l}	....	J. W. Swisher
Philippi	Barbour	1,149	28	34.3	+ 1.4	57	7†	−15	28	49	3.41	+0.08	1.05	7.0	11	10	2	19	w.	Prof. W. B. Pimm
Pickens	Randolph	2,697	22	30.2	− 1.1	51	7	−14	28	50	7.07	+0.40	1.32	25.0	16	11	1	19	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	2	....	....	....	....	....	....	....	5.07	....	1.20	7.0	16	10	4	17	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	38	....	....	....	....	....	....	....	4.53	+0.03	1.15	26.0	12	....	....	....	....	J. F. Pierce
Saint Marys	Pleasants	577	16	....	....	....	....	....	....	....	3.60	−0.96	0.67	9.0	16	....	....	....	n.	Wm. Hughes
Smithfield	Wetzel	835	19	30.6	0	58	7	−14	28†	59	4.28	−0.55	1.06	13.5	18	14	3	14	se.	G. M. Whisler
Terra Alta	Preston	2,612	24	24.9	− 2.9	46	7	−15	28	41	3.16	−2.14	0.80	19.0	15	9	5	17	sw.	J. J. Shanahan
Valley Chapel	Lewis	1,011	2	34.8	....	60	25†	−15	28	50	4.33	....	1.15	14.2	16	13	3	15	sw.	J. C. Campbell
Vandalia	Lewis	1,120	2	....	....	....	....	....	....	....	4.96	....	1.15	....	12	....	....	....	....	W. S. Linger
Wellsburg	Brooke	1,225	24	29.4	− 0.3	53	7	−20	28	43	2.49	−0.95	0.61	20.5	9	8	5	18	w.	George P. Pfister
Weston^{e}	Lewis	1,026	29	33.4	0	58	25	−12	28	43	4.60	+0.43	1.32	12.0	13	7	8	11	....	Weston State Hospital
Wheeling	Ohio	645	38	28.0	− 2.6	57	7	−10	28	43	2.80	−0.35	0.65	23.2	13	10	5	16	sw.	Miss M. B. Forsyth
Wymer	Randolph	....	....	....	....	....	....	....	....	....	4.50	....	1.04	20.0	17	8	6	17	ne.	T. R. Ratzer
Averages and	extremes	....	....	31.2	− 0.8	61	27	−22	28	59	3.98	−0.47	1.32	15.5	13	10	5	16	w.	
Southern Division																				
Arbovale	Pocahontas	2,737	....	....	....	....	....	....	....	....	3.11	....	0.60	22.0	11	11	4	16	sw.	H. S. Sutton
Bancroft	Putnam	574	21	32.8	− 1.6	60	7	−10	28	44	3.62	−0.78	0.80	6.0	12	15	0	16	ne.	E. H. Morrow
Beckley	Raleigh	2,440	25	30.6	− 2.6	53	7	− 1	28	31	....	....	....	....	....	15	1	15	w.	K. E. Williams
Bluefield^{b}	Mercer	2,558	30	35.4	+ 0.9	56	26	8	28	34	2.30	−0.92	0.48	....	19	11	7	11	....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	10	....	....	....	....	....	....	....	1.32	....	0.80	1.0	3	....	....	....	....	Miss Katie Jarvis
Charleston	Kanawha	597	22	35.3	− 3.2	62	7	− 8	28	45	3.75	−0.20	0.60	11.0	17	11	0	20	....	George Huber
Clay	Clay	706	9	....	....	....	....	....	....	....	4.57	....	0.97	10.2	16	....	....	....	....	Ted Thomas
Dam 6 G. K.	Kanawha	....	....	....	....	....	....	....	....	....	2.77	....	0.75	5.5	11	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	557	9	....	....	....	....	....	....	....	2.73	....	0.72	....	16	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	551	9	....	....	....	....	....	....	....	3.16	....	0.90	....	16	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	505	9	....	....	....	....	....	....	....	3.68	....	0.95	....	12	....	....	....	....	U. S. Engineer Office
Gary	McDowell	1,426	9	37.3	....	63	21	5	28†	41	4.03	....	1.22	1.5	13	....	....	....	....	U. S. Coal & Coke Co.
Huntington	Cabell	538	31	32.9	+ 0.1	58	26	− 5	28†	40	3.35	−0.57	1.04	7.7	13	13	1	17	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	6	....	....	....	....	....	....	....	4.42	....	1.15	....	14	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	9	....	....	....	....	....	....	....	4.59	....	1.09	....	17	....	....	....	....	Cabin Creek Con. Coal C
Lewisburg	Greenbrier	2,200	25	31.3	− 0.6	52	25	− 9	28	39	3.18	−0.35	1.17	7.5	8	11	2	18	nw.	Geo. T. Argabrite
Logan	Logan	700	22	....	....	....	....	....	....	....	4.22	....	1.23	....	8	....	....	....	....	Geo. R. Travis
Marlinton	Pocahontas	2,131	26	25.0	− 3.2	46	25	−18	28	44	4.53	+0.46	0.80	23.5	11	11	7	13	sw.	S. L. Brown
Point Pleasant	Mason	553	32	33.9	+ 0.3	55	7†	−12	28	51	4.20	+0.30	0.88	9.0	13	14	0	17	nw.	Miss Grace E. Henson
Powellton	Fayette	933	29	....	....	60^{c}	7	....	....	....	....	....	....	....	....	....	....	....	....	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	538	10	33.4	....	58	7	−19	28	51	3.45	....	0.85	12.0	9	9	0	22	ne.	Lockmaster
Robertsburg	Putnam	574	25	31.0	− 2.4	60	26	−15	28†	50	3.28	−0.72	0.87	3.0	14	13	0	18	....	M. Frazier
Ryan	Roane	700	22	32.1	− 1.2	60	7	−22	28	50	4.31	+0.09	0.93	7.4	15	11	4	16	....	Wm. E. Ryan
Sharples	Logan	....	5	....	....	....	....	....	....	....	4.03	....	0.94	6.0	12	....	....	....	....	E. H. Locke
Sissonville	Kanawha	625	....	....	....	....	....	....	....	....	4.70	....	0.92	....	12	....	....	....	....	J. N. Johnson
Spencer	Roane	784	21	31.6	− 2.0	58	25	−17	28	45	3.23	−1.17	0.80	6.0	12	3	6	22	....	A. M. McKown
Sutton	Braxton	839	19	33.7	+ 0.1	56	25†	−15	28	53	5.06	+0.04	1.10	15.0	15	13	0	18	....	C. B. Eakle
Union^{d}	Monroe	2,250	21	32.3	− 0.3	55	26	− 3	28	39	4.65	+1.04	1.35	9.4	15	8	3	16	....	W. M. H. Young
Wayne	Wayne	598	....	....	....	....	....	....	....	....	3.20	....	1.00	6.0	12	....	....	....	....	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,940	15	30.4^{a}	− 2.5	56^{a}	6	− 6	27†	44^{a}	3.70	+1.12	1.40	....	12	13	5	13	....	E. J. Comar
Williamson	Mingo	660	25	35.0	− 0.9	60	22	10	28†	30	3.70	−0.62	1.05	4.5	12	12	4	15	w.	J. F. Keyser
Averages and	extremes	....	....	32.6	− 1.3	63	21	−22	28	53	3.68	−0.16	1.40	8.7	13	11	3	17	w.	
State averages and	extremes	....	....	31.1	− 1.2	63	21†	−27	28	73	3.81	−0.27	1.40	15.8	13	11	4	16	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used i determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, a, b, c appearing in the table indicate number of missing days; for example, b represents two days, etc.

Daily Precipitation for January, 1926

Stations	Drainage basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Potomac Division																																	
Bayard	Potomac	.16	.41	.07	.22	T.			.04		T.	.26	.06	.31	.03		.21	.18	.06	T.	.22	.40		.06			.17	.68	.02	.60	.16		4.35
[illegible]	do	.75	.35								.25	.40					.25			T.	.45							*	.70	.50			3.65
Burlington	do		.48										.48															.18		.61			2.16
Harpers Ferry	do		.74								T.		.31					.34			.75	.01							[illegible]	T.	.85		2.86
Martinsburg	do		.58								.03	T.	.26	.16			.01	.40			.61	.15						.62	.68	.09	.70		3.72
Moorefield	do	.16	.52									.72	.21					.28				.28						1.20		1.04			4.11
Piedmont	do	.01	.46									.11	.12	.05			.19	.02			1.07						.01	.40		.77			3.24
Upper Tract	do	.06	.06							T.	T.	.40						T.		T.	.68							.16	.80	.88			2.44
Wardensville	do	.12	.80								.04	.64									.38							.16	.48	.40	.16		3.18
Northern Division																																	
Aberdeen	Monongahela	.13	.29						T.		.03	.17	.11	.13	.01		.33	.37	.03	.01	1.20						.33	.96	.13	.64	.09		4.96
Bens Run	Ohio		.32	.05					.02			.15	.18	.27			.38	T.			.75						.39	.59		.50			3.60
Benson	Monongahela	T.	.26	.05	.02				.01		.03	.12	.14	.08	T.		.32	.26	.03	T.	.99						.37	1.12	.03	[illegible]	[illegible]	T.	4.63
Brownsville	do	.10	.13	.03							.03	.20	.15	.13			.31	.57	.04	T.	1.24						.41	1.10		.39	.05		[illegible]
Bruceton Mills	do		.28	T.					.10			.10	.09	.16	.08		.65	.26			.97			T.			.30	.40		.40	.16		3.96
Buckhannon	do		.34	.06	T.				T.		.07	.20	.18	.18			.50	.42	.05	.15	1.08						.54	.50	.05	.30	.08		4.70
Cairo	Little Kanawha		.33		T.				T.			.17	.10	.18	T.		.34	.35			.85						.55	.48		.42	T.		3.75
Cheat Bridge ‖	Monongahela	.25	.50							T.	.05	.35	.18		.12			.50			.67							.59	.60	.10	.30		4.21
Clarksburg	do		.31	.02								.08	.13	.06	T.		.08	.52	.04		.98	.03					.03	.63	.36	.66	.56		3.89
Cortland	do	.08	.20						.32					.48				[illegible]		.64			.80					1.12					4.31
Crawford	do	.02	.40								.02	.31	.22	.07			.58	.13	.02	.06	1.08						.38	.71	.09	.50			4.59
Creston ‖	Little Kanawha	T.	.20	.03					T.			.22	.11	.06	T.		.10	.72	.07		.81	.05					.14	.81	.40	T.	.08		3.80
Dam 10, Mon R. ‖	Monongahela		.11		.03				.05			.04	.06	.11	.02			.55			.72	.18						.72	.24		.48		3.31
Dam 12, O. R. ‖	Ohio		.26	.02	T.				.02								.03	.28			.59						.03	.24			.62		2.09
Dam 13, O. R. ‖	do		.27	.02	.02								.30				.04	.34	.02		.90			.02			.02	.14	.02		.80		2.91
Dam 15, Mon. R. ‖	Monongahela		.11	.07	.04				.03			.04	.06	.08	.01		.03	.72			.81	.05					.02	.62	.28		.56		3.52
Davis	do	.03	.26	.03								T.	T.	.20	.24			1.17	.05	.04	.20			T.			T.	.88	.56	.40			4.06
Elizabeth	Little Kanawha			.33											.30			.65			.75	.10						.70	.13		.21		3.17
Elkins***	Monongahela		.29	.01	T.				.05	.01	.06	.44	.02	.11	T.		.44	.17	.02	.41	.35		T.	T.		.01	.61	.70		.42	T.		4.12
Evenwood	do	.25	.61	.01	.01				.04		.10	.38		.19	.01	.45	.45	.28	.01		.78						.40	.60	.17	.22	.11		5.07
Fairmont	do		.22	.05	.05				.02			.02	.05	.15	.02	T.	T.	.60	.04		.86	.01					.15	.55	.30	T.	.35	.48	3.92
Glenville	Little Kanawha		.37									.28	.18	.01	.06		.16	.52	.08		.85	.10					.08	.68	.30		.28		3.92
Horner	do	.15	.30							.03				.50		.42		.40			1.21						.44	1.00	.12	.60	.04		5.01
Horton	Monongahela	.40	.51							T.	.54	.14	.22	.21			.26	.04		T.	.28						.18	.49		.60			3.67
Janelew (near)	do		.38								.05	.21	.14	.15			.27	.36			1.28						.34	.97		.55			4.70
Lost Creek	do	T.	.36	T.	.03				T.		.05	.17	T.	.18			.50	.37	.02	T.	1.18						.35	1.24	.06	.68	.06		5.25
Mannington	do		.25	.06					.03			.01	.11	.11	T.		.34	.20	.01	.03	.91						.39	.51		.83	.07		3.86
Morgantown	do		T.	T.					.03								.06				.10						1.10	.24	.32	.40	.10		2.65
Moundsville ‖	Ohio		.43	T.									.24	.28			.20			.41	.06						.25	.40			.56		2.83
New Cumberland ‖	do		.22										.25	.18			T.	.25			.47						.04	.27			.51		2.19
New Martinsville	do		.35							T.		T.	.30	.30			.35	.20			.65						.39	.35		.65			3.45
Parkersburg***	do	.18	.08	.02					.02			.01	.03	.17			.36	.14		.39	.30						.28	.32		.40			2.71
Parsons	Monongahela		*	*					*	*	*	*	2.00	T.	.20					*	.16						*	1.86		.08			4.30
Philippi	do	T.	.28	.02	T.	T.			T.		.08	T.	.12	T.			.50	.40		.05	1.05					T.	.35	.32		.24			3.41
Pickens	do	.48	.16						.08	.16	.68	.48	.65	.32			.95	.58		.28	.42					T.	1.32	.50		.42	.16		7.07
Roanoke	do	.09	.28		.01				T.		.04	.20	.15	.11			.50	.47	T.	.02	1.18						.39	1.04	.05	.46	.05		5.07
Rowlesburg ‖	do		.35	.10								.20	.05	T.	.04		T.	.82	.10		.87	.28					T.	.87	.37		.48		4.53
Saint Marys ‖	Ohio		.31	.08					.03				.32	.21	.02		.13	.52	.02		.67	.13					.12	.60	.10	.02	.32		3.60
Smithfield	Fishing Creek		.22	.07	.03			.03				.02	.22	.15	.01		.13	.55			1.06	.05					.19	.80	.10	.14	.40	.08	4.28
Terra Alta	Monongahela		.12	.08	.01				.02		.01	.02	.03	.10			.35	.47		.05	.47		T.	T.			.28	.80	T.	.35	T.		3.16
Valley Chapel	do	.03	.30	.03							.04		.36	.09	.05		.42	.36		.03	1.12						.38	.52	.14	.36	.10		4.33
Vandalia	do	.03					.15	.05		.45	.25	.10						.92	.04		1.15							1.00	.25			.57	4.96
Wellsburg	Ohio		.19		T.								.38	.13			.20				.50						.05	.43		.58	.03		2.49
Weston ‖	Monongahela	.12	.31	.05	.02							.25	.20		.15				.80		1.32						.42	.48	.16	.32			4.60
Wheeling ‖	Ohio		.39	.02	.02		T.	T.	T.				.33	.07	T.		.04	.23	T.		.48	.01					.03	.60	.02	T.	.65		2.80
Wymer	Monongahela		.28	.36	.01						.11	.32	.04	.08			.35	.23	.04	.01	.72						.40	1.04	.16	.17	.15		4.50
Southern Division																																	
Arbovale	Great Kanawha	.32	.32						T.	T.	.26	.18	T.	.08			.60	.05			.20						.54	.40		.16	T.		3.11
Bancroft ‖	do		.35	.03					.05		.05	.35	.25			T.	.10	.60	.04	.80								.60	.40				3.62
[illegible]	do		.02	.01	.01					.46	.48	.43	.02	.02	.07		.04	.03	.05	.05	.14						.08	.03	.27	.05	.01		2.30
Camden-on-Gauley ‖	do					T.			.80							T.											.44		.08				1.32
Charleston	do	.55	.10	.05					.05		.16	.60	.27	.05			.08	.34	.03		.60	.08					.02	.40	.35	.05			3.75
Clay ‖	do	.61	.13						.10		.15	.28	.43	.14	.03		.04	.33	.04		.82	.10						.57	.40		.37		4.57
Dam 6 G. K.	do	.37										.13	.38	.39	.07		.03	.31			.75							.03	.16		.15		2.77
Dam 19 O. R. ‖	Ohio		.25	.01					.04				.24	.19	.01		.08	.40	.02		.72	.15					.07	.30	.02	.01	.22		2.73
Dam 20 O. R. ‖	do		.25	.04	.01				.02				.16	.20			.16	.50	.02		.90	.14					.08	.37	.11	.02	.18		3.16
Dam 26 O. R. ‖	do		.20									.12	.25				.20	.95	.10		.95	.10					.01	.50	.15		.12		3.68
ary	Big Sandy	1.22	.12								.45	.68	.05	.15			.02	.05	.13		.36							.41	.12		.39		4.03
untington ‖	Ohio	.06	.18									.32	.36	.10			.04	.16	.06		1.04							.60	.30	.03	.10		3.35
anawha Falls	Great Kanawha	1.15	.16						.05		.15	.70	.35	.16				.20			.62	.10						*	*	*	.90		4.42
ayford	do	1.09	.10	.08					.05	.05	.14	.64	.23	.17	.01				.21	T.	.53	.10						.51	.49	.08	.21		4.59
ewisburg	do	.16	.16							.16	1.17	.68		T.			.34	T.		T.							.41	.12		T.			3.18
ogan	Guyandotte	1.23	T.								.48	.44	.10					.18			.40								.64	.75			4.22
arlinton	Great Kanawha	.80	.50	T.						T.	.15	.62	.12	T.			.80			.20	.39						.10	.42		.22			4.53
oint Pleasant ‖	Ohio		.20									.15	.30				.26	.72	.25		.88	.20						.80	.20	.10	.20		4.20
avenswood (Dam 22	Ohio		.15									.05	.15	.20			.15	.80	T.		.85							.50	T.	.60			3.45
eltsburg ‖	Great Kanawha		.23	.02					.01			.23	.20	.10			.07	.87	.09		.81	.14					.02	.48	.01	T.			3.28
ean	do		.31	.02						.01	.05	.31	.36	.11			.37	.38	T.	.22	.82					T.	.16	.93	.08	.30			4.31
arples	Coal River	.91	.12					.11			.29	.82	.11	.13				.19			.38						.19	.23	.52	T.	T.		4.03
sonville ‖	Great Kanawha										.76	.34	.30	*			T.		.74	.92	.57							.47	*	*	*	.66	4.70
ncer	do	.08	.18	T.	.04				T.		T.	.33	.27	.05	T.			.80	.05		.77						.18	.08	.40				3.23
tton	Great Kanawha	T.	.24	.12	T.					T.	.20	.52	.41	.30			.35	.40		.10	1.10						.20	.32	.32	.40	.08		5.06
ion	do	.08	.10			.58				.05	.08		1.35	T.			.15	.05		.50	.01	.31						1.00	.24	.10	.05		4.65
yne ‖	Big Sandy	.19	.18	T.					.03			.57	.23	.08			.03	.25	T.		1.00	T.				.03	T.	.41	.40	T.			3.20
te Sulpr. Spgs. ‖	Great Kanawha	.50		.01						.60	1.40	.64				.10	.10			.50							.10	.10	.10	.15			3.70
lliamson	Big Sandy	1.05	.12	T.					.03		.24	.63	.05				T.	.10			.20	.06					T.	.45	.45		.32		3.70

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

††† Probably incomplete.

Daily Temperatures for January, 1925

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	29	28	38	35	37	37	50	49	36	35	31	29	34	25	39	44	46	40	34	34	48	49	37	46	50	49	49	21	24	29	44	37.9
	Minimum	19	19	26	30	27	14	8	28	9	27	25	20	20	16	−6	12	36	29	18	20	5	19	6	2	36	29	10	−25	8	14	15	16.6
Brandywine	Maximum	32	35	40	40	41	40	42	28	30	35	35	35	30	32	35	37	40	38	38	37	40	45	42	40	43	47	35	20	17	30	40	36.1
	Minimum	20	20	22	16	10	9	10	8	7	24	20	15	22	15	1	15	35	27	18	19	17	26	13	5	21	25	15	−20	−8	14	6	14.4
Burlington	Maximum	40	41	48	50	55	51	50	45	40	39	30	30	30	24	22	31	48	59	50	49	45	34	40	51	42	40	34	30	20	42	56	40.9
	Minimum	8	25	22	23	22	20	19	19	20	19	10	9	4	3	10	19	30	30	19	20	15	19	25	30	12	15	10	−20	−11	16	13	15.3
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Martinsburg§	Maximum	27	32	38	50	49	43	49	49	38	33	32	26	43	39	40	42	45	45	30	43	46	54	26	34	60	45	29	20	32	40	..	39.3
	Minimum	22	20	23	27	24	18	10	12	22	23	29	19	20	25	10	11	28	35	23	23	23	19	18	10	11	33	27	−5	−3	10	24	19.1
Moorfield	Maximum	35	33	37	46	48	51	58	52	42	37	34	32	39	39	41	41	47	47	40	42	47	53	44	33	63	56	56	46	37	42	49	44.1
	Minimum	19	18	22	24	14	9	9	31	14	26	25	19	14	16	−2	14	30	26	19	19	14	16	10	6	20	28	15	−27	−12	9	0	14.4
Piedmont	Maximum	31	31	33	40	37	41	48	47	36	33	32	28	36	30	42	35	42	40	38	38	42	45	39	27	53	46	41	18	18	32	48	37.0
	Minimum	21	21	27	30	27	19	14	26	18	29	26	21	23	19	5	18	35	35	20	22	15	20	13	5	18	33	13	−15	3	16	14	19.1
Romney	Maximum	....	....	....	44	47	48	61	45	38	31	30	28	38	35	43	44	45	40	30	42	47	50	25	57	62	48	18	22	31	36	....	40.3
	Minimum	....	....	....	....	20	14	13	14	16	18	22	20	21	21	4	5	32	33	20	20	16	18	14	6	8	31	15	−20	−18	8	13	14.2
Upper Tract	Maximum	....	26	....	....	42	44	50	....	49	49	36	....	36	34	40	41	41	40	38	38	38	36	36	36	50	56	....	16	15	32	48	38.7
	Minimum	....	18	....	....	17	16	15	....	16	15	26	....	22	17	8	15	20	20	20	25	27	14	13	9	15	....	14	−18	−8	12	15	14.5
Wardensville§	Maximum	29	35	38	42	45	48	54	54	48	34	30	41	48	48	48	48	48	48	44	49	50	46	37	58	56	56	22	22	35	45	....	43.5
	Minimum	21	20	10	18	8	8	7	12	22	28	26	10	4	0	8	26	28	20	18	26	16	17	12	4	25	28	14	−25	−8	11	5	13.5
Northern Division																																	
Bens Run	Maximum	45	43	39	41	40	46	57	53	41	40	41	38	39	35	44	44	46	43	39	39	46	45	41	48	54	50	59	30	32	30	47	43.1
	Minimum	28	32	32	33	20	27	23	32	20	29	30	31	24	21	16	29	36	32	21	31	31	27	13	15	30	33	10	−7	16	13	8	23.7
Buckhannon	Maximum	42	39	38	45	41	41	54	50	38	40	40	46	42	32	41	49	46	41	42	39	46	43	32	45	52	50	37	25	35	30	40	41.3
	Minimum	28	34	35	38	31	30	23	32	20	34	32	34	25	21	18	28	40	32	22	24	25	28	13	14	30	35	5	−15	10	19	6	24.2
Cairo	Maximum	42	46	40	40	41	40	56	50	40	40	38	42	41	34	43	45	47	42	36	39	45	45	40	48	54	50	28	28	34	31	34	41.3
	Minimum	32	35	34	30	23	22	17	25	16	31	33	35	25	18	13	27	39	26	21	33	19	22	13	10	23	28	5	−17	10	4	0	21.0
Clarksburg	Maximum	35	43	39	36	44	45	45	59	43	38	40	36	44	35	34	44	48	41	41	36	36	47	44	24	49	56	51	22	28	31	29	40.1
	Minimum	31	32	33	34	28	26	17	19	15	20	31	31	33	22	13	15	32	32	22	22	20	22	13	11	13	30	13	−8	−7	18	4	20.5
Creston	Maximum	45	43	39	41	47	46	59	54	43	40	40	44	43	38	41	46	47	42	41	40	49	41	45	50	55	53	51	29	34	34	51	44.2
	Minimum	32	36	33	30	25	23	18	30	17	33	32	33	25	20	14	28	39	33	22	33	21	27	14	12	23	31	12	−16	7	9	3	22.5
Elkins	Maximum	35	36	42	37	45	41	56	52	37	37	40	43	41	31	44	49	48	39	39	37	51	46	25	51	56	52	35	33	35	30	50	41.7
	Minimum	27	31	34	33	28	24	18	22	18	33	32	33	21	16	16	35	39	30	25	31	20	25	10	10	36	35	−2	−15	21	17	7	22.9
Fairmont§	Maximum	40	36	35	37	36	44	55	45	38	40	34	40	35	33	41	46	38	43	36	36	44	46	28	47	55	49	13	28	32	32	42	38.8
	Minimum	27	28	33	33	28	26	27	27	20	22	28	28	33	23	18	19	25	32	20	20	20	21	12	11	15	35	11	−9	−6	16	13	21.2
Glenville	Maximum	47	45	40	41	40	42	55	59	41	40	44	46	50	36	39	47	46	44	48	41	44	45	46	42	54	59	61	23	36	34	48	44.6
	Minimum	34	35	34	35	32	26	19	32	18	33	34	33	26	23	16	27	40	33	23	34	22	25	14	12	23	31	12	−17	5	18	1	23.6
Lost Creek	Maximum	41	37	36	38	44	45	56	53	39	37	37	43	41	33	42	45	45	38	36	36	48	46	39	49	56	51	49	26	32	30	46	41.7
	Minimum	28	30	31	32	27	25	18	28	11	30	30	30	23	20	12	24	37	30	20	33	17	24	10	9	28	31	9	−21	4	8	−1	20.5
Mannington	Maximum	40	39	36	38	37	41	54	52	39	40	38	41	38	32	40	43	47	41	39	37	44	44	40	48	53	50	49	28	33	33	44	41.2
	Minimum	28	33	34	34	23	23	18	32	16	32	31	30	25	23	14	25	37	33	20	33	18	23	13	11	28	32	9	−19	14	7	−2	21.9
Morgantown	Maximum	37	36	36	36	35	43	57	52	40	38	37	39	39	31	41	47	47	41	38	36	43	44	41	47	59	50	50	29	30	32	45	41.2
	Minimum	26	29	33	32	29	30	31	32	20	34	29	27	23	22	17	34	35	31	17	30	19	35	11	11	39	45	7	−9	18	15	20	24.9
New Cumberland§	Maximum	34	38	37	35	32	41	50	37	38	44	32	38	31	29	40	42	44	36	33	38	42	40	21	54	49	46	10	24	29	30	46	36.8
	Minimum	15	15	32	32	23	22	19	21	15	16	20	26	28	19	10	11	30	32	19	19	15	11	15	15	15	29	9	−7	−7	16	16	17.8
New Martinsville	Maximum	43	44	40	41	40	47	60	54	42	41	43	38	40	35	44	44	49	44	40	40	47	46	42	50	56	50	50	28	32	32	42	43.4
	Minimum	25	30	30	29	23	22	20	29	16	27	28	28	21	20	13	25	34	30	18	30	18	24	10	10	28	30	8	−9	16	11	2	20.8
Parkersburg	Maximum	44	40	39	42	43	47	58	45	40	43	36	41	38	36	43	48	45	43	34	38	47	44	28	49	55	51	25	26	32	33	48	41.3
	Minimum	31	34	34	32	29	31	30	27	24	30	30	31	25	22	21	32	36	26	23	32	25	22	14	17	38	25	3	−5	18	14	15	24.7
Parsons	Maximum	....	....	....	....	....	....	....	....	....	....	....	40	40	31	32	44	43	39	39	36	40	46	32	40	53	50	49	29	40	31	50	40.2
	Minimum	....	....	....	....	....	....	....	....	....	....	....	23	22	15	10	9	31	22	23	30	16	22	11	10	29	33	10	−10	17	18	7	17.6
Philippi	Maximum	40	38	37	38	41	45	57	53	40	40	36	45	45	32	44	49	50	40	44	38	57	46	42	50	56	51	56	34	33	38	48	44.0
	Minimum	29	32	33	32	32	31	30	31	22	33	31	31	23	20	20	35	37	20	30	31	22	30	11	13	38	45	8	−15	5	18	4	24.6
Pickens	Maximum	36	35	38	34	41	38	51	46	35	39	45	42	40	28	41	47	44	38	40	38	40	43	32	43	43	47	45	35	37	33	46	40.0
	Minimum	26	28	31	28	26	23	21	19	13	30	32	32	16	10	10	28	37	16	16	28	16	28	5	8	26	34	15	−14	15	11	15	20.3
Terra Alta	Maximum	21	27	32	32	34	35	46	44	32	31	30	25	25	20	34	42	42	35	30	28	37	36	32	40	45	45	45	12	25	25	40	33.1
	Minimum	18	18	26	28	25	23	12	26	9	25	21	18	16	14	2	18	32	26	14	20	5	28	4	2	34	37	4	−15	6	11	10	16.7
Wellsburg	Maximum	34	38	38	37	36	40	53	52	41	40	35	37	38	30	37	38	45	39	31	38	42	40	38	47	50	46	45	23	29	30	44	39.2
	Minimum	17	31	32	33	19	19	17	32	15	18	25	28	24	20	7	20	33	28	13	31	11	21	12	9	31	39	8	−20	11	14	13	19.7
Weston	Maximum	40	40	39	39	44	44	57	....	....	....	57	45	45	33	39	..	....	39	39	37	44	50	45	53	58	54	53	29	33	31	49	43.8
	Minimum	30	34	34	35	32	30	24	....	....	....	19	32	26	23	18	....	....	28	23	34	24	29	14	14	30	36	11	...	8	19	6	23.1
Wheeling§	Maximum	37	39	36	39	34	47	57	45	45	37	34	39	28	35	44	41	40	46	35	40	47	45	28	52	55	48	16	28	30	33	35	39.3
	Minimum	12	13	30	31	20	21	20	20	18	20	24	26	25	19	11	15	30	30	13	14	15	16	9	10	12	29	10	−10	−8	10	9	16.6
Southern Division																																	
Bluefield	Maximum	....	42	42	41	50	41	55	50	37	42	41	40	38	34	38	49	52	51	41	36	52	52	49	50	....	56	50	28	33	33	51	43.9
	Minimum	....	38	34	31	25	30	25	35	26	31	30	32	24	19	24	34	45	35	28	28	27	35	15	21	....	30	19	8	17	18	18	27.0
Charleston	Maximum	42	43	42	49	53	51	62	47	39	42	42	45	41	42	48	48	46	42	43	44	54	54	33	58	58	59	21	35	38	33	54	45.4
	Minimum	32	33	36	32	28	28	26	27	25	29	36	36	37	21	22	22	39	34	26	27	30	29	17	17	22	30	20	−8	−7	19	15	25.2
Gary §	Maximum	39	44	49	47	55	50	59	44	39	46	48	49	47	43	58	56	57	48	43	42	63	56	36	59	59	57	37	37	37	38	56	48.3
	Minimum	33	34	34	28	23	23	21	20	26	31	37	37	47	21	20	20	37	38	30	32	31	28	20	18	19	29	31	5	5	22	16	26.3
Hinton §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Huntington §	Maximum	44	40	40	43	45	45	56	44	40	39	36	45	31	39	45	45	41	41	41	39	47	49	30	50	51	58	15	25	35	33	48	41.3
	Minimum	31	32	35	33	32	30	26	26	26	30	33	33	30	23	22	23	37	35	26	26	27	27	17	17	19	29	15	−5	−5	17	12	24.5
Lewisburg	Maximum	34	38	44	41	45	42	50	44	38	35	37	36	32	34	38	38	45	45	40	38	46	50	43	46	52	48	45	25	35	39	45	40.9
	Minimum	26	26	32	28	23	18	14	29	20	28	32	29	23	16	8	28	31	33	25	28	28	23	13	13	22	30	17	−9	13	17	6	21.7
Marlinton	Maximum	32	34	38	36	36	36	40	34	28	32	32	34	30	28	30	32	42	38	30	38	36	42	30	36	46	42	32	12	30	28	40	34.0
	Minimum	24	24	30	28	16	8	2	18	12	26	28	30	20	10	0	20	28	28	20	28	20	18	8	4	14	26	12	−18	4	12	−4	16.0
Point Pleasant	Maximum	50	47	51	49	52	50	55	55	43	50	47	43	49	42	45	50	51	45	40	40	41	49	41	49	55	49	40	39	38	50	49	46.9
	Minimum	29	35	32	30	27	22	20	30	20	27	30	34	25	18	19	25	34	30	19	20	19	26	9	12	22	9	4	−12	12	11	11	20.9
Ravenswood	Maximum	43	41	39	43	46	47	58	51	41	40	40	43	43	38	45	46	46	42	43	40	48	47	46	50	55	51	51	32	33	34	48	44.2
	Minimum	32	36	33	30	25	23	23	31	19	30	31	32	25	21	17	28	37	20	23	35	23	26	14	14	26	33	18	−19	12	3	4	22.7
Robertsburg§	Maximum	45	40	38	44	40	47	58	44	38	38	36	42	30	40	47	48	40	40	42	40	52	48	32	52	56	60	13	26	35	34	52	41.8
	Minimum	32	32	32	28	26	25	21	21	18	25	30	32	29	17	17	22	33	33	25	23	23	23	14	13	14	26	13	−15	−15	9	4	20.3
Ryan	Maximum	42	40	40	44	45	49	60	52	38	40	41	43	41	39	45	46	43	41	38	39	54	50	40	50	55	55	50	28	33	34	51	44.1
	Minimum	29	33	31	27	22	21	16	27	15	28	33	33	25	13	12	23	39	31	19	33	20	21	12	12	19	28	10	−22	4	8	2	20.1
Spencer §	Maximum	41	39	39	40	40	47	33	33	38	40	39	43	33	39	42	49	41	44	40	41	50	50	28	52	58	55	15	28	35	34	41	40.2
	Minimum	31	35	34	32	30	21	21	23	18	33	32	33	30	19	18	20	40	33	23	33	23	27	13	9	15	50	10	−17	8	15	5	23.1
Sutton	Maximum	46	46	43	43	50	50	52	52	40	42	42	45	45	38	46	49	49	44	42	37	51	51	47	55	56	56	54	20	23	31	53	45.1
	Minimum	34	33	32	33	30	26	17	22	17	32	32	34	24	21	14	26	32	31	28	33	25	22	12	10	19	32	11	−15	5	18	0	22.3
Union	Maximum	38	36	44	....	45	47	52	54	42	35	....	36	37	35	43	44	48	....	48	40	48	51	52	46	....	55	54	24	32	35	45	43.2
	Minimum	25	25	30	....	22	23	16	31	18	28	....	28	26	17	14	31	34	....	26	27	27	23	13	13	....	22	21	−3	14	18	8	21.4
White Sulphur Spgs§	Maximum	41	46	40	46	46	56	42	36	34	36	38	37	38	44	40	42	41	36	40	44	54	42	52	48	38	34	39	38	36	38	....	41.1
	Minimum	26	29	27	21	18	12	17	19	29	33	29	31	18	7	12	34	33	25	27	26	22	15	10	15	34	32	−6	−6	8	4	12	19.8
Williamson§	Maximum	41	42	46	42	45	45	53	42	40	43	49	43	34	38	43	50	49	40	41	43	48	60	30	50	48	48	25	30	35	33	43	42.5
	Minimum	29	32	37	30	28	28	25	25	29	30	39	38	34	24	23	25	39	36	30	31	30	30	22	20	24	27	25	10	10	22	18	27.4

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

APR 18 1925

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXIII PARKERSBURG, W. VA., FEBRUARY, 1925 No. 2

GENERAL SUMMARY

The past month was the warmest February of State record, except in 1909, when the February average was 40.4°, or .6° higher than for the month under consideration. The temperature fell to zero at only one station. The highest temperatures were well within previous records. The precipitation was considerably below the normal and was well distributed, the monthly amounts being below the normal at all stations, except six in the southern counties. The average snowfall, 2.0 inches, was the least of February State record. The rivers were only at moderate stages. The conditions were generally favorable for winter grains and outdoor work. Stock was in good condition at the close of the month.

TEMPERATURE

The monthly mean for the State, determined from the records of 53 stations, was 39.8°. The departure from the normal for 41 stations having ten or more years of record was + 7.8°. The temperature was above the normal daily, except the 3-4th, 12-14th and 26-28th, the warmest weather prevailing from the 6th to the 11th and the 20th to the 25th, when the temperature averaged generally from 10° to 20° above the normal. The lowest readings occurred at practically all stations on the 28th.

PRECIPITATION

The average precipitation for the State, determined from the records of 85 stations, was 2.49 inches. The departure from the normal for 47 stations having ten or more years of record was −0.66 inch. Precipitation occurred in practically all regions on the 1st-2d, 9th, 11-12th, 14-15th, 22d-24th, and 26th, the greatest amounts being measured on the 11-12th, 15th, 24th, and 26th. Light snow or snow flurries occurred at many stations on the 2d, 11-12th and 26th.

HAIL

Light hail fell in sections of Kanawha County on the 15th and in sections of Lewis and Upshur Counties on the 23d.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 16th; Bancroft, 16th and 18th; Bayard, 17th; Bens Run, 11th; Bruceton Mills, 2d and 16th; Charleston, 18th; Davis, 9th, 17th, and 24th; Elkins, 6th, 10th, 16th, 20th, and 25th; Glenville, 16th; Huntington, 16th and 20th; Lewisburg, 10th; Marlinton, 4th, 5th, 6th, 8th, 10th, 16th, 17th, 20th, and 25th; Morgantown, 15th and 16th; Parkersburg, 6th and 16th; Pickens, 2d, 17th, and 24th; Romney, 16th; Smithfield, 7th and 16th; Spencer, 16th.

Halo, lunar: Elkins, 7th.

Halo, solar: Parkersburg and Ryan, 28th.

Thunderstorms (dates and number of stations reporting): 11th, 4; 15th, 4; 23d, 17; 24th, 4.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a.m.	local noon	8 p.m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.05	81	62	68	160.3	53	5,797	8.6	32	sw.	9
Columbus, Ohio	30.04	81	71	72	182.7	61	7,388	11.0	49	w.	26
Elkins	30.07	84	60	71	141.0	47	3,844	5.7	33	w.	26
Lexington, Ky	30.06	82	73	....	124.7	41	10,470	15.6	48	nw.	26
Parkersburg	30.06	77	66	76	106.8	35	3,716	5.5	34	nw.	26
Pittsburgh, Pa	30.05	77	69	70	154.4	52	6,770	10.1	44	w.	26
Wytheville, Va	30.06	82	64	70	136.0	45	4,469	6.7	37	nw.	12

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	38.1	......	......	5.39						
1892	37.1	72	−12	2.39	......	......	......	......	......	......
1893	35.0	71	− 6	4.81	6.70	1.65	......	......	......	......
1894	33.4	74	− 5	3.99	7.48	2.05	......	9	7	12
1895	22.8	79	−17	1.27	2.44	0.61	......	10	9	9
1896	33.4	62	− 5	3.31	6.23	1.50	......	7	8	14
1897	36.8	70	3	5.95	8.18	3.00	......	7	7	14
1898	32.7	74	−13	1.81	3.38	0.64	......	10	8	10
1899	26.1	69	−35	4.32	6.43	2.25	19.0	7	5	16
1900	30.7	83	−11	3.94	5.62	2.31	10.1	5	10	13
1901	27.1	62	− 6	0.86	1.66	0.10	4.1	8	8	12
1902	26.7	68	−14	3.20	5.65	1.33	8.1	6	7	15
1903	35.3	74	−19	5.99	9.59	2.58	8.6	10	6	12
1904	29.3	80	−13	2.37	4.55	0.52	8.1	12	9	8
1905	25.6	56	−22	2.34	4.65	0.80	8.1	8	6	14
1906	32.4	79	−11	1.60	3.34	0.46	8.1	15	6	7
1907	31.1	68	−23	2.55	4.83	0.67	11.1	9	8	11
1908	30.9	72	−10	3.72	6.26	1.77	15.8	7	8	14
1909	40.4	80	− 5	4.16	7.68	1.44	3.4	7	8	13
1910	31.5	72	−11	3.18	6.56	0.98	13.5	9	8	11
1911	38.7	76	− 6	2.03	3.92	0.40	4.8	8	8	12
1912	27.3	70	−17	2.45	5.08	0.72	6.4	10	8	11
1913	32.6	80	− 4	2.27	6.15	0.21	4.7	13	6	9
1914	28.4	70	−22	3.64	6.96	1.63	19.7	9	7	12
1915	38.4	72	− 2	3.07	6.33	0.90	3.6	10	5	13
1916	31.4	72	−12	4.30	9.19	1.79	13.2	8	6	15
1917	31.0	80	−14	3.29	7.73	1.26	10.1	9	7	12
1918	35.4	81	−19	3.12	6.60	0.45	3.8	11	6	11
1919	35.2	72	− 2	1.85	3.93	0.35	3.5	11	5	12
1920	31.3	69	− 4	2.71	5.49	1.49	9.3	7	5	17
1921	37.4	79	−10	2.61	4.90	1.10	10.8	8	5	15
1922	38.2	77	−14	2.89	5.57	0.94	6.3	8	7	13
1923	30.4	70	−20	3.68	7.38	0.75	7.8	7	5	16
1924	31.6	74	−16	3.21	8.18	0.84	12.2	8	6	15
1925	39.8	80	− 5	2.49	4.32	0.35	2.0	10	6	12
Means and extremes	32.7	83	−35	3.16	9.59	0.10	8.7	9	7	12

Climatological Data for February, 1925

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,700	24	38.2	+10.8	65	8	4	28	45	1.95	−1.44	0.65	4.0	9	12	3	13	sw.	U. G. Clark
Brandywine	Pendleton	......	9	37.1	......	69	9	8	28	41	0.75	......	0.30	T.	4	16	0	12	s.	Elmer Keister
Burlington	Mineral	875	31	44.2	+13.9	80	9	8	28	53	2.10	−0.29	0.80	0	3	14	10	4	w.	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	36	......	......	......	......	......	......	......	1.40	−1.03	0.62	0	7	......	......	......	......	J. C. Newcomer
Martinsburg	Berkeley	435	33	38.8[a]	+ 8.8	70[a]	22	12	5	43[a]	1.62	−0.81	0.57	T.	7	21	3	4	nw.	Dr. H. S. Gardner
Moorefield	Hardy	900	29	40.2	+ 7.9	71	22	7	5	48	0.46	−1.91	0.46	T.	1	22	6	0	......	M. S. Henkel
Piedmont	Mineral	919	12	39.1	......	69	23	11	28	34	1.47	......	0.75	T.	4	17	2	9	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	27	39.6[a]	+ 7.4	70[a]	7†	11	28	48[a]	1.58	−0.68	1.08	......	2	10	4	14	......	Richard A. Bergdoll
Stony River Dam	Grant	3,300	5	......	......	......	......	......	......	......	0.83	......	0.57	1.0	3	6	6	16	w.	A. C. Becker
Upper Tract	Pendleton	1,230	26	37.6[g]	+ 5.4	64[g]	7	10[g]	28	40[g]	0.35	−1.34	0.15	0	3	17	0	11	......	J. M. Mallow
Wardensville	Hardy	1,200	7	40.9[a]	......	72[a]	23	10	27	41[a]	2.35	......	0.75	T.	8	13	7	8	w.	Luther F. Sutton
Averages and	**extremes**	......	....	39.5	+ 9.0	80	9	4	28	53	1.35	−1.07	1.08	0.5	5	15	4	9	w.	
Northern Division																				
Aberdeen	Upshur	1,060	1	......	......	......	......	......	......	......	2.41	......	0.93	1.5	8	6	8	14	w.	L. Else Bond
Bens Run	Pleasants	622	23	39.9	+ 8.1	71	8	12	28	41	2.72	−0.47	0.65	7.0	8	12	9	7	......	J. D. Riggs
Benson	Harrison	1,080	2	40.6	......	72	8	5	28	46	2.56	......	0.84	3.5	8	8	9	11	......	R. D. Marts
Brownsville	Lewis	1,032	2	41.6	......	74	8	4	28	48	2.42	......	0.85	......	11	10	9	9	......	S. L. Montgomery
Bruceton Mills	Preston	1,549	5	......	......	......	......	......	......	......	3.19	......	1.20	3.4	10	3	10	15	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	28	38.2	+ 6.7	66	23	2	14	43	3.41	−0.46	0.90	2.0	7	10	9	9	......	H. A. Darnall
Cairo	Ritchie	680	26	38.7	+ 6.2	69	8	13	13	40	2.62	−0.86	0.64	2.0	9	9	5	14	......	O. C. Hess
Cheat Bridge	Randolph	3,558	7	31.8[a]	......	59[a]	7	− 5	28	42[a]	2.31	......	0.68	8.0	11	10	6	12	......	H. F. Cromer
Clarksburg	Harrison	1,015	3	38.0	......	71	9	6	28	40	1.98	......	0.62	2.2	9	5	6	17	se.	Clarksburg Water Board
Cortland	Tucker	3,300	14	......	......	......	......	......	......	......	2.00	−1.89	0.70	......	4	13	5	10	......	G. W. Harmon
Crawford	Lewis	1,087	2	......	......	......	......	......	......	......	3.11	......	0.83	2.0	8	10	8	10	......	J. Cecil Owens
Creston	Wirt	701	23	41.1	+ 8.3	72	8	7	28	42	2.52	−0.37	0.75	0.5	10	8	0	20	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	786	4	......	......	......	......	......	......	......	2.47	......	0.48	1.2	11	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	614	9	......	......	......	......	......	......	......	2.35	......	0.70	......	10	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	605	9	......	......	......	......	......	......	......	2.18	......	0.65	......	11	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	839	4	......	......	......	......	......	......	......	2.39	......	0.51	......	11	......	......	......	......	Lockmaster
Davis	Tucker	3,093	16	......	......	......	......	......	......	......	2.70	−1.48	0.75	4.5	11	13	1	14	w.	Ross C. Male
Elizabeth	Wirt	646	13	......	......	......	......	......	......	......	2.23	−0.43	0.90	......	8	......	......	......	......	E. D. Ball
Elkins	Randolph	1,947	24	39.8	+ 8.2	69	8	7	28	40	1.97	−1.20	0.78	1.2	10	5	10	13	w.	U. S. Weather Bureau
Evenwood	Randolph	......	0	......	......	......	......	......	......	......	2.33	......	0.85	1.2	8	3	15	10	......	Claude A. Cunningham
Fairmont	Marion	883	19	38.6	+ 6.3	71	8	10	28	40	2.50	−0.51	0.64	2.0	12	15	0	13	w.	Creed E. Bolyard
Glenville	Gilmer	738	31	44.0	+11.3	79	9	7	28	53	3.10	−0.63	0.92	3.0	11	13	2	13	w.	Howard R. Brannon
Horner	Lewis	1,044	2	......	......	......	......	......	......	......	2.50	......	0.86	1.0	8	13	6	9	......	Thomas E. Miles
Horton	Randolph	2,775	0	......	......	......	......	......	......	......	1.70	......	0.80	3.4	6	6	9	13	se.	J. W. White
Janelew (near)	Lewis	1,020	2	42.4	......	74	8†	4	28	47	2.53	......	0.90	2.0	6	12	6	10	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	27	38.8	+ 7.8	70	8	4	28	44	2.88	−0.18	0.95	1.0	9	9	3	16	w.	Allen Smith
Mannington	Marion	974	22	38.9	+ 7.9	68	9†	7	28	38	2.47	−0.32	0.52	2.1	11	8	9	11	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	32	41.2	+ 9.9	70	9	8	28	39	2.51	−0.60	1.20	1.1	6	7	6	15	......	Prof. E. L. Andrews
Moundsville	Marshall	642	22	37.5[a]	+ 5.9	72[a]	8	8	28	40[a]	2.26	−0.02	0.50	3.8	8	7	8	13	sw.	Fred N. Wilson
New Cumberland	Hancock	987	27	34.6	+ 6.9	67	8	5	28	40	1.81	−0.56	0.39	3.0	9	9	6	13	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	31	38.9	+ 6.7	72	8	6	28	44	2.60	−0.38	0.70	3 0	9	12	5	11	s.	Wm. Ankrom
Parkersburg	Wood	638	38	40.4	+ 6.2	71	8	13	28	36	2.09	−1.15	0.50	2.9	11	5	7	16	se.	U. S. Weather Bureau
Parsons [c]	Tucker	1,656	25	40.6	+10.9	70	9	1	28	41	1.84	−1.58	......	1.0	......	12	6	7	......	J. W. Swisher
Philippi	Barbour	1,149	28	41.7	+10.5	72	8	7	28	37	1.96	−1.41	0.96	6.0	9	10	6	12	w.	Prof. W. B. Pimm
Pickens	Randolph	2,697	22	38.7	+ 7.1	68	8	6	27	42	4.25	−0.82	1.69	11.0	9	12	3	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	2	......	......	......	......	......	......	......	2.83	......	0.84	2.0	10	4	12	12	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	38	......	......	......	......	......	......	......	2.50	−0.91	0.75	4.0	8	......	......	......	......	J. F. Pierce
Saint Marys	Pleasants	577	16	......	......	......	......	......	......	......	2.73	−0.47	0.63	2.0	11	......	......	......	sw.	Wm. Hughes
Smithfield	Wetzel	835	19	36.0	+ 5.4	70	8	6	28	40	2.83	−0.79	0.57	3.7	12	15	6	7	se.	G. M. Whisler
Terra Alta	Preston	2,612	24	35.2	+ 7.4	62	9	2	28	40	2.61	−1.13	0.97	3.6	11	5	7	16	sw.	J. J. Shanahan
Valley Chapel	Lewis	1,011	2	42.8	......	78	23	8	28	45	2.74	......	0.94	3.0	10	11	7	10	se.	J. C. Campbell
Vandalia	Lewis	1,120	2	......	......	......	......	......	......	......	3.70	......	1.90	......	3	......	......	......	......	W. S. Linger
Wellsburg	Brooke	1,225	24	36.6	+ 9.1	68	9	5	28	37	1.74	−1.14	0.51	1.0	8	8	12	8	w.	George P. Pfister
Weston	Lewis	1,026	29	42.8	+10.9	72	8	10	28	41	2.26	−1.48	1.00	......	14	14	10	4	......	Weston State Hospital
Wheeling	Ohio	645	38	36.8	+ 6.0	72	8	5	28	44	1.95	−0.58	0.80	1.4	11	14	3	11	sw.	Miss M. B. Forsyth
Wymer	Randolph	......	....	......	......	......	......	......	......	......	1.32	......	0.40	1.0	7	14	7	7	ne.	T. R. Ratzer
Averages and	**extremes**	......	....	39.2	+ 7.9	79	9	− 5	28	53	2.50	−0.81	1.90	2.8	9	9	7	12	w.	
Southern Division																				
Arbovale	Pocahontas	2,737	....	......	......	......	......	......	......	......	1.64	......	0.72	T.	5	10	7	11	sw.	H. S. Sutton
Bancroft	Putnam	574	21	39.2	+ 5.5	71	23	12	28	41	3.34	+0.43	1.73	1.0	8	18	0	10	ne.	R. E. Dent
Beckley [a]	Raleigh	2,440	25	41.2	+ 7.9	64	23	11	27	33	......	......	......	......	......	6	6	15	sw.	K. E. Williams
Bluefield ††	Mercer	2,558	30	42.0[d]	+ 7.5	70[d]	10	9[d]	27	48[d]	1.87	−1.18	0.75	0	8	8[d]	13[d]	5[d]	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	10	......	......	......	......	......	......	......	2.40	......	1.60	T.	2	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	597	22	44.2[c]	+ 5.8	77[c]	8	14	28	42[c]	3.09	−0.48	0.98	1.0	8	11	0	17	......	R. O. Fields
Clay	Clay	706	9	......	......	......	......	......	......	......	3.84	......	1.19	......	13	......	......	......	......	Ted Thomas
Dam 6 G. K.	Kanawha	......	....	......	......	......	......	......	......	......	2.65	......	1.00	......	8	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	557	9	......	......	......	......	......	......	......	2.37	......	0.53	......	10	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	551	9	......	......	......	......	......	......	......	2.45	......	0.58	......	11	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	505	9	......	......	......	......	......	......	......	2.32	......	0.60	0	8	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	9	43.2	......	76	8	14	13†	47	3.51	......	1.33	T.	12	......	......	......	......	U. S. Coal & Coke Co.
Huntington	Cabell	538	31	40.7	+ 8.1	70	8†	12	1	37	2.66	−0.47	1.00	3.5	7	8	2	18	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	6	......	......	......	......	......	......	......	3.18	......	1.75	......	6	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	9	......	......	......	......	......	......	......	3.36	......	1.15	1.0	12	......	......	......	......	Cabin Creek Con. Coal Co
Lewisburg	Greenbrier	2,200	25	41.4	+ 9.4	65	8	10	28	50	2.17	−0.79	0.76	1.0	8	12	6	10	s.	Geo. T. Argabate
Logan	Logan	700	22	......	......	......	......	......	......	......	3.19	−0.71	1.40	0	7	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	26	35.2	+ 6.2	60	8	2	28	38	1.64	−1.75	0.74	T.	5	8	15	5	sw.	S. L. Brown
Point Pleasant	Mason	553	32	42.6	+ 9.0	79	23	10	28	46	2.90	−0.52	0.75	T.	10	18	0	10	nw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	538	10	41.4	......	73	22	9	28	45	2.38	......	0.65	T.	10	8	0	20	ne.	Lockmaster
Robertsburg	Putnam	574	25	39.2	+ 6.3	74	8	7	1	45	2.60	−0.42	0.89	1.0	8	7	0	21	......	M. Frazier
Ryan	Roane	700	22	39.2	+ 6.0	70	8†	6	28	45	3.47	+0.10	1.42	2.0	7	10	4	14	......	Wm. E. Ryan
Sharples	Logan	......	5	......	......	......	......	......	......	......	3.76	......	1.79	1.0	9	......	......	......	......	E. H. Locke
Sissonville	Kanawha	625	...	......	......	......	......	......	......	......	3.04	......	1.70	4.0	4	......	......	......	......	J. N. Johnson
Spencer	Roane	784	21	41.9	+ 8.1	72	7†	8	28	43	4.32	+1.28	1.40	6.0	8	7	8	13	......	A. M. McKown
Summersville	Nicholas	1,894	1	42.2[b]	......	69[b]	6	6	28	46[b]	2.77	......	1.30	......	6	10	3	15	......	J. O. McMillion
Sutton	Braxton	839	19	42.2	+ 7.7	73	8†	7	28	46	3.45	+0.15	1.10	2.0	6	20	0	8	......	C. B. Eakle
Union [d]	Monroe	2,250	21	41.2	+ 8.1	69	9	8	28	43	3.85	+1.14	1.00	T.	12	7	6	11	......	W. M. H. Young
Wayne	Wayne	598	....	......	......	......	......	......	......	......	3.15	......	1.40	......	8	......	......	......	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,940	15	40.8[a]	+ 5.5	75[a]	7	8	2†	50[a]	1.56	−2.66	0.60	4.0	12	11	10	7	......	E. J. Comar
Williamson	Mingo	660	25	41.3	+ 5.2	68	10†	18	1	33	3.55	+0.40	1.30	T.	12	9	7	12	w.	J. F. Keyser
Averages and	**extremes**	......	....	41.0	+ 7.2	79	23	2	28	50	2.97	−0.13	1.79	1.1	8	11	4	13	sw.	
State averages and	**extremes**	......	....	39.8	+ 7.8	80	9	− 5	28	53	2.49	−0.66	1.90	2.0	8	10	6	12	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for February, 1925

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard	Potomac	T.								T.		.63	.16		.03	.65	.03	.03				T.		T.	.26		.08	.08					1.95
Brandywine	do		T.							T.	.10	.30	T.			.25								.10			T.						0.75
Burlington	do						.50	80							T.	.80																	2.10
Harpers Ferry ‖	do			T.							.25		.62			.01	26							.01	.19		.06						1.40
Martinsburg‖	do										.16	.05	.57			.25	.25						T.		.10		.21	T.					1.62
Moorefield	do															.46											T.						0.46
Piedmont	do											.75	T.	T.	.01	.65									.06		T.						1.47
Romney	do												1.08			.50																	1.58
Stony River Dam‖	do															.57	.18											.08					0.83
Upper Tract	do											.10	T.			.10									.15								0.35
Wardensville‖	do	.20	.60								.10	.05	.75			.35	T.								.20		.10						2.35
Northern Division																																	
Aberdeen	Monongahela		.27	.02						T.		.28	.21		.01	.93						T.	T.		.27		.42	T.					2.41
Bens Run	Ohio	.54								.03		.65	.23			.61						.05			.25		.36						2.72
Benson	Monongahela	T.	.35									.36	.27	T.	.05	.84								.01	.16		.52						2.56
Brownsville	do		.36	.01						.01		.29	.20		.02	.85	.02							.02	.21		.43						2.42
Bruceton Mills	do	T.	1.20							T.		.26	.11	.33		.54						.05	.04	.01	T.		.57	.08					3.19
Buckhannon	do		.40							T.		.42	.20		T.	.90		.15				T.		T.	.88		.46	T.					3.41
Cairo	Little Kanawha		.49							.12		.60	.24			.64						.02	T.	.03	.02	T.	.46	T.					2.62
Cheat Bridge ‖	Monongahel			.25							.05	.20	.53	.04		.68	.31	.03							.10		.07	.05					2.31
Clarksburg	do		.10	.20							.01	.08	.28			.62	.07							T.	.22		.40	T.					1.98
Cortland	do										.50					.50	.70							.30									2.00
Crawford	do		.42							.03		.31	.14			.83		.05							.78		.55						3.11
Creston ‖	Little Kanawha		.21	.25							.10	.08	.42	T.		.75	.11	T.					T.	.06	.03		.51	T.					2.52
Dam 10, Mon. R.‖	Monongahela		.08	.34							.03		.47			.48	.25						.04	.05	.29		.40	.04					2.47
Dam 12, O. R.‖	Ohio		.20	.22							.07		.70			.12	.16						.10	.28	.05		.45						2.35
Dam 13, O. R ‖	do		.02								.11		.65			.21	.12						.10	.28	.20	.02	.43	.04					2.18
Dam 15, Mon. R.‖	Monongahela		.09	.28							.03		.33			.51	.28						.06	.04	.36		.37	.04					2.39
Davis ‖	do			.75						.02		.46	.08	.08		.66	.23	.04							.19		.11	.08					2.70
Elizabeth	Little Kanawha		.20	.19								.18	.30			.90	.03								.09		.34						2.23
Elkins ***	Monongahela	T.	.17							T.		.42	.04		.03	.75		.04				T.		.21	.01	.08	.22	T.					1.97
Evenwood	do		.20									.44	.13		.01	.85		.04							.21		.45						2.33
Fairmont	do		.05	26	T.						.06	.40	.10	T.		.64	.13						.03	.06	.36	T.	.39	.02	T				2.50
Glenville	Little Kanawha		.20	.26							.09	.06	.71	.12		.92	.11						.05		.04		.54						3.10
Horner	do		.36									.33	.11		.03	.86		.07						.30			.44						2.50
Horton	Monongahela		.15									.45	.07			.80									.06		.17						1.70
Janelew(near)	do		.38									.35	.18			.90									.22		.50						2.53
Lost Creek	do		.38	T.						.03		.37	.12		.10	.95		T.				T.		.37	.14		.42						2.88
Mannington	do		.48	T.						.02	.03	.32	.15		.02	.50						.03	T.	.10	.36		.46	T.					2.47
Morgantown	do		1.20									.20	.04			.80						.03			.24		T.						2.51
Moundsville‖	Ohio		.44									.47				.34						.10	.24	.12		.50	.05						2.26
New Cumberland‖	do		.19	T.							.27		.39			.03	.06						.15	.37	.03		.32	T.					1.81
New Martinsville	do		.65							.15		.70	.25			.35						.05	.05	.15	.25								2.60
Parkersburg ***	do	.08	.37							.04		.50	T.		T.	.37						.06	.20	.12	.01	.33	.01	T.					2.09
Parsons	Monongahela		*									*	.08		*	1.31									*	.45							1.84
Philippi	do		.30	.05						.03		.12	.08		.04	.96						.02		T.	.36	T.	T.						1.96
Pickens	do		1.05							.15		.40	.56		.10	1.59		.09							.09		.22						4.25
Roanoke	do		.49	.02								.42	.20		.02	.84		.10				T.		.03	.17		.54						2.83
Rowlesburg ‖	do			.22									.37			.75	.29	.03							.49		.32	.03					2.50
Saint Marys ‖	Ohio		.23	.35							.03	.15	.63			.30	.06						.09	.12	.37		.40	T.					2.73
Smithfield‖	Fishing Creek		.23	.30							.09	.15	.35				.48	.08					.05	.12	.39		.57	.02					2.83
Terra Alta	Monongahela	T.	.22							T.		.38	.06	T.	.04	.97	.02	.01				.02	T.	.07	.45		.40						2.64
Valley Chapel	do		.67	.03								.33	.10		.03	.91						.01		.11	.10		.45						2.74
Vandalia	do		.40													1.40									1.90								3.70
Wellsburg	Ohio		.38							.03		.46	.05			.25						.08		.37	.12								1.74
Weston ‖	Monongahela		.39				.02			.06		.30	*	.16	.05	1.00	.03							.05	.20								2.26
Wheeling ‖	Ohio		.10	.20		T.					.02		.80	T.		.16	.02		T.				.09	.27	.05		.23	.01					1.95
Wymer	Monongahela		.12										.34			.40	.35							.03			.04	.04					1.32
Southern Division																																	
rbovale	Great Kanawha		.04							.05		.72	T.		T.	.69									.14		T.						1.64
ancroft ‖	do		.45	.25								.13	.08			1.73		.05							.05		.60	T.					3.34
luefield	do		.18	.06							.18		.51		.04		.75							.06	.09								1.87
amden-on-Gauley‖	do												T.	T.		1.60	.80										T.						2.40
harleston ‖	do		.25	.45								.07	.46			.98	.20								.10		.58						3.09
lay ‖	do		.10	.45							.08	.32	.70	.01		1.19	.02	.02	.02						.24	.01	.68						3.84
am 6 G. K.‖	do		.15	.33								.20		.19		1.00	.18	.02									.58						2.65
am 19 O. R.‖	Ohio		.30	.26						T.	.05	.06	.30			.34							.02	.35	.16		.53	T.					2.37
am 20 O. R.‖	do		.26	.27							.09	.08	.25			.48	.06						.03	.23	.12		.58	T.					2.45
am 26 O. R.‖	do		.12	.40							.05	.10	.10			.60	.50										.45						2.32
ary‖	Big Sandy			.20							.09	.40	.30	T.		1.33	.33	.05	.10		.05			.03	.33		.30	T.					3.51
untington ‖	Ohio		.18	.28								.14	.32	T.		1.00							T.		.18		.56						2.66
anawha Falls‖	Great Kanawha		.35	.13								.20				1.75									.10		.65						3.18
ayford‖	do		.01	.23	T.							.17	.70	.02		1.15	.18		.10						.15	.02	.57	.06					3.36
ewisburg	do		.76							.14		.22	.08		.06	.54		T.						.08	.29		T.						2.17
ogan ‖	Guyandotte		T.	.24								.25	.45	T.		1.15	.25								.45		.40						3.19
arlinton	Great Kanawha		.14							.12		.42	T.		T.	.74						T.		.22			T.						1.64
oint Pleasant ‖	Ohio		.50	.25							.20	.15	.20	.10		.64	T.						T.	.14	.12		.60						2.90
avenswood(Dam 22	Ohio		.45	.27							.05	.05	.19			.65	.05							.08	.05		.54						2.38
obertsburg ‖	Great Kanawha		.38	.28								.12	.24	T.		.89	.04								.12		.53						2.60
yan	do		.48							T.		.71	.10		.02	1.42						T.		.03			.71						3.47
harples	Coal River		.10									.50	.08			1.79	.03	.04							.38	T.	.62		.22				3.76
ssonville‖	Great Kanawha	.22										.35				1.70								T.			.77						3.04
encer ‖	do	1.10	.20	T.	T.							.37	.48			1.40	.10						T.	T.	.10	.57	T.	T.					4.32
mmersville	Gauley		.27									.70	T.			1.30		.10							.10		.30						2.77
tton	Great Kanawha		.53	T.								.72	.16		T.	1.10									.38		.56						3.45
ion	do		.96	.11						.05		.40	1.00	.05		*	.76	.05					.20		.03		.24						3.85
ayne‖	Big Sandy		.06	.35								.14	.32			1.31	.09								.40		.48						3.15
hite Sulpr. Spgs.‖	Great Kanawha		.05							.10	.05	.05			.05	.14	.05			.01			.06	.60		.35			.05				1.56
illiamson	Big Sandy		.05	.25							.03	.25	.50			1.30	.23	.03	.02				.04	T.	.30	T.	.55						3.55

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for February, 1925

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	48	44	37	43	49	60	61	65	63	63	62	45	34	42	47	51	51	40	50	53	54	63	63	52	62	62	20	36	....	....	....	50.7
	Minimum	35	33	22	17	18	23	26	36	28	35	40	13	17	17	35	23	30	19	16	22	21	41	50	42	32	17	6	4	....	....	....	25.6
Brandywine	Maximum	42	44	40	38	45	55	60	65	69	63	54	48	40	42	50	46	45	42	54	58	58	64	60	55	48	26	32	32	....	....	....	49.1
	Minimum	25	35	25	16	12	27	28	25	28	42	45	21	17	27	34	26	34	16	22	25	24	28	35	25	25	15	12	8	....	....	....	25.1
Burlington	Maximum	51	48	49	60	66	65	70	76	80	79	69	70	56	51	51	54	54	43	41	48	49	70	65	70	75	65	24	24	....	....	....	58.0
	Minimum	32	30	30	18	13	32	34	31	40	38	29	32	20	25	33	25	33	23	29	24	25	40	60	60	55	24	10	8	....	....	....	30.5
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Martinsburg§	Maximum	47	41	34	35	51	55	56	63	63	49	57	34	45	39	44	53	50	45	52	59	60	70	64	66	59	43	33	....	....	....	....	50.6
	Minimum	23	23	15	15	12	12	28	28	30	33	41	26	24	26	29	29	30	26	23	25	29	30	42	48	43	39	16	14	....	....	....	27.1
Moorfield	Maximum	49	43	39	44	55	58	58	68	70	67	57	51	48	46	52	59	54	51	62	66	61	71	68	67	68	62	48	44	....	....	....	56.6
	Minimum	20	29	17	10	7	18	20	22	25	36	31	21	15	21	30	23	34	20	22	22	21	31	49	41	34	25	12	9	....	....	....	23.8
Piedmont	Maximum	46	44	38	38	53	52	61	63	65	65	51	36	40	38	46	49	45	41	55	55	55	65	69	55	59	50	25	35	....	....	....	49.8
	Minimum	28	34	19	18	20	28	29	31	31	38	36	20	25	24	38	28	31	24	23	28	27	39	47	49	37	21	12	11	....	....	....	28.4
Romney	Maximum	49	42	35	43	60	60	70	66	70	55	54	28	44	46	47	55	50	48	61	61	70	65	70	58	63	32	28	....	....	....	....	53.0
	Minimum	24	32	16	16	12	15	25	27	29	30	41	20	18	23	30	21	25	25	23	26	24	38	53	47	36	30	14	11	....	....	....	26.2
Upper Tract	Maximum	48	....	48	51	56	55	64	63	62	62	62	47	27	....	55	55	....	....	55	60	....	....	54	56	....	38	28	38	....	....	....	51.6
	Minimum	16	....	22	20	18	19	24	24	30	38	44	18	18	....	18	26	....	....	23	25	....	....	28	29	....	24	20	10	....	....	....	23.5
Wardensville§	Maximum	46	43	38	41	58	55	67	71	63	57	59	36	48	46	51	53	52	48	54	61	66	66	72	60	58	42	45	....	....	....	....	53.9
	Minimum	16	32	20	19	22	30	33	39	30	40	45	21	18	24	30	25	31	23	24	25	25	31	50	45	35	27	10	12	....	....	....	27.9
Northern Division																																	
Bens Run	Maximum	46	40	30	38	52	62	64	71	66	68	47	34	40	40	44	49	46	45	55	58	57	66	69	62	59	53	26	40	....	....	....	51.0
	Minimum	34	29	17	25	20	26	30	30	39	35	32	20	28	22	35	24	32	22	27	26	32	42	51	40	42	20	13	12	....	....	....	28.8
Buckhannon	Maximum	40	47	35	37	38	58	62	62	58	57	54	35	36	45	50	47	35	35	50	49	51	63	66	50	54	52	22	35	....	....	....	47.2
	Minimum	38	35	21	28	21	25	28	32	38	48	34	20	20	2	44	27	35	22	25	25	31	47	46	42	40	22	14	11	....	....	....	29.3
Cairo	Maximum	40	47	31	36	53	55	63	69	63	65	52	29	42	43	45	48	45	45	57	57	50	67	68	47	63	53	28	39	....	....	....	50.0
	Minimum	34	25	19	27	16	20	30	29	35	37	26	20	13	20	26	32	38	23	30	21	27	41	45	39	41	24	14	15	....	....	....	27.4
Clarksburg	Maximum	45	46	40	30	36	53	62	63	71	69	68	51	30	38	44	46	51	42	40	55	59	60	69	67	46	63	27	25	....	....	....	49.9
	Minimum	39	35	20	21	18	20	26	30	31	42	36	19	20	21	21	25	23	12	19	24	25	29	47	46	39	27	13	6	....	....	....	26.2
Creston	Maximum	49	41	34	41	57	65	66	72	68	70	69	34	43	42	47	48	49	46	52	61	56	69	70	68	64	61	29	40	....	....	....	54.0
	Minimum	27	33	21	29	19	23	29	30	35	37	33	20	18	26	38	26	35	17	20	22	30	42	53	38	41	25	15	7	....	....	....	28.2
Elkins	Maximum	50	47	38	44	55	65	66	69	64	67	58	24	37	44	52	53	48	41	54	56	56	67	65	49	64	42	22	41	....	....	....	51.4
	Minimum	36	28	24	25	20	25	30	29	49	43	24	15	21	29	35	28	28	23	22	25	28	45	46	41	37	18	11	7	....	....	....	28.3
Fairmont§	Maximum	43	40	32	35	51	60	60	71	69	69	52	28	36	43	45	49	44	50	58	56	58	68	65	45	61	28	28	42	....	....	....	49.5
	Minimum	15	35	19	20	19	20	26	32	34	47	42	19	20	22	22	30	28	19	33	25	25	39	47	44	41	28	12	10	....	....	....	27.6
Glenville	Maximum	73	47	38	40	59	68	67	75	79	73	74	40	43	46	46	50	53	50	57	62	65	71	76	74	65	77	33	43	....	....	....	58.7
	Minimum	26	35	23	30	21	22	28	28	37	43	33	20	16	26	38	29	36	21	23	24	29	45	61	41	37	24	15	7	....	....	....	29.2
Lost Creek	Maximum	43	39	32	37	53	63	63	70	68	69	61	34	38	39	47	49	43	43	55	57	58	68	67	55	62	58	25	37	....	....	....	51.2
	Minimum	36	32	18	26	14	19	21	26	37	45	34	17	19	19	37	23	33	14	18	18	25	42	52	40	36	21	12	4	....	....	....	26.4
Mannington	Maximum	46	39	32	36	51	57	64	67	68	65	57	35	38	39	45	50	48	40	55	53	58	66	68	63	61	59	24	36	....	....	....	50.7
	Minimum	34	30	18	22	18	24	27	29	32	42	33	19	21	18	36	26	32	16	21	21	26	43	46	41	41	22	13	7	....	....	....	27.1
Morgantown	Maximum	46	46	33	35	50	61	66	69	70	65	60	35	36	44	46	50	48	40	55	53	59	67	68	59	60	58	22	34	....	....	....	51.2
	Minimum	41	26	16	23	29	24	43	43	56	43	34	15	21	21	38	27	29	18	32	26	43	51	56	40	40	19	9	8	....	....	....	31.1
New Cumberland§	Maximum	42	37	34	39	48	53	62	67	65	57	39	29	37	41	43	49	34	41	50	51	58	63	66	46	50	25	19	39	....	....	....	45.9
	Minimum	19	37	8	9	21	23	22	31	30	30	33	18	20	13	13	23	24	15	17	22	23	42	42	38	38	24	10	5	....	....	....	23.2
New Martinsville	Maximum	47	41	34	38	54	64	65	72	67	69	56	36	40	40	43	52	50	46	56	57	60	66	70	64	60	50	28	40	....	....	....	52.3
	Minimum	33	26	15	22	15	24	27	28	33	34	30	18	20	16	31	23	30	16	22	20	27	40	48	36	38	25	10	6	....	....	....	25.5
Parkersburg	Maximum	47	44	29	37	56	64	65	71	64	68	51	30	43	39	45	48	43	45	57	59	56	65	68	50	56	44	27	41	....	....	....	50.4
	Minimum	37	22	19	29	25	28	37	38	46	41	24	21	25	27	32	25	29	22	30	27	41	48	49	37	42	21	15	13	....	....	....	30.4
Parsons	Maximum	....	....	....	40	51	61	67	68	70	66	67	44	38	44	44	53	40	65	64	55	57	68	67	45	65	48	26	41	....	....	....	54.2
	Minimum	....	....	....	24	17	25	27	27	32	38	33	18	20	35	40	25	23	26	36	21	25	28	45	40	35	20	11	1	....	....	....	27.0
Philippi	Maximum	50	50	38	41	54	65	65	72	71	69	63	34	37	44	50	52	53	43	55	58	59	69	68	53	64	57	24	40	....	....	....	53.5
	Minimum	35	36	16	25	23	30	31	40	54	46	33	16	19	23	38	25	32	19	29	23	43	47	37	40	38	20	11	7	....	....	....	29.9
Pickens	Maximum	43	47	35	47	55	63	65	68	63	65	67	28	35	45	47	53	47	41	51	57	55	67	54	49	62	52	27	41	....	....	....	51.0
	Minimum	35	30	23	23	23	26	35	34	49	42	25	14	13	30	20	20	25	14	22	22	33	41	45	35	29	15	6	10	....	....	....	26.4
Terra Alta	Maximum	40	40	32	33	43	52	59	60	62	59	55	39	30	36	42	37	40	32	47	46	53	61	58	53	54	53	15	29	....	....	....	45.0
	Minimum	36	29	18	18	23	25	32	29	35	37	39	10	15	10	36	28	25	15	16	24	25	43	49	39	31	13	3	2	....	....	....	25.3
Wellsburg	Maximum	46	38	31	37	48	55	63	67	68	59	49	36	37	40	41	41	42	40	51	57	53	63	65	63	53	51	21	33	....	....	....	48.1
	Minimum	34	27	10	21	15	25	27	30	33	33	33	18	18	12	30	21	30	15	23	20	28	41	44	38	41	19	11	5	....	....	....	25.1
Weston	Maximum	47	45	35	39	57	66	66	72	69	70	67	42	45	43	50	52	51	44	58	59	55	69	69	61	65	61	28	40	....	....	....	54.6
	Minimum	41	35	21	29	20	25	32	31	42	46	39	19	21	26	41	27	36	20	24	25	32	46	59	41	40	24	15	10	....	....	....	31.0
Wheeling§	Maximum	50	40	33	40	54	60	67	72	65	69	70	31	41	38	44	32	49	50	59	58	65	70	46	58	50	26	25	41	....	....	....	50.1
	Minimum	10	34	12	14	20	25	25	28	30	35	34	17	18	15	15	25	25	18	20	24	40	42	40	37	20	20	9	5	....	....	....	23.5
Southern Division																																	
Bluefield	Maximum	....	68	46	50	57	68	68	....	35	70	63	60	42	46	....	49	56	53	52	61	57	....	59	56	61	57	32	33	....	....	....	54.5
	Minimum	....	20	31	30	31	34	37	....	14	36	38	33	17	22	....	28	40	26	31	31	44	....	41	38	35	25	9	15	....	....	....	29.5
Charleston	Maximum	56	46	33	47	61	70	68	77	67	76	54	32	50	51	51	53	44	58	58	65	59	71	76	49	....	....	....	49	....	....	....	56.8
	Minimum	30	35	25	26	27	29	32	35	38	44	46	21	22	30	31	35	37	26	27	28	30	38	45	44	41	32	19	14	....	....	....	31.7
Gary §	Maximum	59	54	40	52	62	72	64	76	67	74	51	25	50	51	55	59	49	49	61	65	58	72	69	50	66	38	34	55	....	....	....	56.3
	Minimum	17	31	31	31	25	25	28	31	37	41	41	19	14	16	30	39	40	27	27	29	30	36	48	47	39	31	19	14	....	....	....	30.1
Hinton §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Huntington §	Maximum	49	43	32	41	56	62	65	70	64	65	50	31	45	49	49	46	42	44	56	61	58	66	70	46	63	32	30	45	....	....	....	51.1
	Minimum	12	38	23	23	26	26	30	35	38	45	45	22	22	30	32	30	30	24	24	29	29	43	47	40	40	29	20	16	....	....	....	30.3
Lewisburg	Maximum	49	48	45	48	56	61	60	65	60	59	60	42	48	45	51	54	52	46	55	59	56	64	64	61	62	62	63	46	....	....	....	55.0
	Minimum	21	34	33	28	20	25	28	27	37	38	35	14	13	23	33	27	36	22	23	27	27	32	46	42	38	24	13	10	....	....	....	27.7
Marlinton	Maximum	46	40	44	44	50	54	56	60	54	52	48	26	40	40	46	48	40	40	46	52	52	58	58	52	56	46	24	40	....	....	....	46.9
	Minimum	16	30	28	26	14	20	24	22	28	34	26	12	10	22	32	26	32	18	18	22	22	34	40	35	32	20	8	2	....	....	....	23.4
Point Pleasant	Maximum	45	48	35	45	60	69	67	76	74	75	73	49	50	50	51	50	49	50	61	62	65	65	79	69	69	52	40	45	....	....	....	58.0
	Minimum	33	30	18	25	20	25	24	30	29	31	30	22	29	30	29	20	30	20	25	31	22	31	50	39	40	22	15	10	....	....	....	27.1
Ravenswood	Maximum	49	46	32	42	66	64	66	72	70	68	61	34	43	43	47	48	46	46	55	61	58	73	70	68	62	61	32	40	....	....	....	54.4
	Minimum	27	30	20	28	21	25	22	31	47	38	32	21	14	22	31	22	34	18	25	22	36	46	56	31	44	25	15	9	....	....	....	28.3
Robertsburg§	Maximum	51	40	31	45	59	67	68	74	65	70	50	31	46	45	48	45	42	50	58	66	58	68	70	45	62	31	32	45	....	....	....	52.2
	Minimum	7	32	20	20	22	22	27	32	33	39	39	20	20	29	31	24	26	18	20	24	24	37	43	39	38	26	15	9	....	....	....	26.3
Ryan	Maximum	50	39	33	40	56	68	68	70	65	70	50	31	44	44	48	47	44	46	57	60	57	70	68	55	67	55	30	43	....	....	....	52.3
	Minimum	23	28	21	26	17	20	25	26	36	36	31	17	14	25	41	37	35	15	21	15	27	37	37	43	37	25	14	6	....	....	....	26.2
Spencer §	Maximum	48	41	30	40	55	65	72	70	70	72	60	30	45	49	57	49	43	47	58	63	59	70	72	66	44	41	30	45	....	....	....	53.2
	Minimum	36	36	20	26	22	22	32	43	40	41	50	19	21	27	32	34	38	18	24	23	34	41	49	40	26	41	15	8	....	....	....	30.6
Sutton	Maximum	53	49	40	42	58	67	70	73	73	65	65	60	43	43	47	53	53	49	55	63	63	70	70	70	68	65	46	44	....	....	....	57.9
	Minimum	24	34	23	29	19	21	28	27	30	35	32	18	13	26	33	30	30	19	23	22	28	38	35	38	34	32	14	7	....	....	....	26.5
Union	Maximum	....	54	45	50	56	63	66	....	69	61	63	43	48	49	....	55	55	47	55	59	64	65	....	65	64	64	39	47	....	....	....	56.1
	Minimum	....	24	31	30	19	23	23	....	27	37	38	15	14	21	....	32	41	20	23	24	30	29	....	42	36	28	14	8	....	....	....	26.2
White Sulphur Spgs§	Maximum	37	41	50	54	58	55	75	64	66	58	33	52	44	48	56	52	51	56	64	67	68	64	68	67	42	37	48	....	....	....	....	51.6
	Minimum	34	34	28	18	22	24	25	33	42	42	17	12	22	25	32	32	24	22	24	26	26	40	42	38	30	15	8	16	....	....	....	28.0
Williamson §	Maximum	50	43	33	45	56	60	58	67	63	68	48	28	48	48	49	45	47	43	43	59	56	65	68	49	63	34	31	46	....	....	....	50.6
	Minimum	18	30	30	28	29	29	32	34	35	43	43	21	20	22	31	40	40	30	29	30	31	41	46	49	44	32	20	20	....	....	....	32.0

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[WBO, Cleveland, 4-8-25—810]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

MAY 19 1925

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXIII PARKERSBURG, W. VA., MARCH, 1925 No. 3

GENERAL SUMMARY

March was an exceptionally pleasant month for the season. The temperature averaged nearly 1° above the normal and the month was nearly continuously moderately warm, except the first four and last four days. The 3d was a cold day. The precipitation averaged slightly more than three-fourths of an inch below the normal and was favorably distributed throughout the month and over the State. The rivers were at low or moderate stages. The low temperature on the 3d caused considerable damage to peach trees. In the agricultural districts the ground was bare nearly the entire month, making the conditions somewhat unfavorable for winter grains.

TEMPERATURE

The monthly mean for the State, determined from the readings of 51 stations, was 43.6°. The departure from the normal for 40 stations having ten or more years of record was + 0.9°. The month opened cold and the temperature continued below the normal until the 5th. The lowest temperature of the month, ranging generally from near zero to about 8° above zero occurred on the morning of the 3d. In some of the mountain districts, however, the readings were about 10° below zero. The temperature was above the normal from the 6th to the 28th, except the 15-16th, 20th, and 22-23d, when the averages were slightly below. The highest temperatures occurred on the 10th and 26th. The readings for the last four days averaged about 10° below the normal.

PRECIPITATION

The average precipitation for the State, determined from 85 stations, was 3.25 inches. The departure from the normal for 47 stations having ten or more years of record was —0.77 inch. The precipitation was heaviest over the northern portion of the State and lightest over the eastern counties. Precipitation was quite general on the 1st-2d, 11-14th, 17-19th, and 27-28th. Light snow or snow flurries occurred in nearly all localities on the 1st-2d and 28-29th. In the more elevated sections there was also light snow at several stations on the 13th, 15th, and 20th.

HAIL

Light hail fell in sections of Randolph County on the 18th and in sections of Mingo County on the 26th. No damage resulted.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bruceton Mills, 30th; Charleston, 6th; Elkins, 7th, 18th, and 21st; Horton, 30th; Marlinton, 8th, 9th, 14th, and 26th; Morgantown, 17th; Moundsville, 18th; New Cumber-nd, 18th; Pickens, 5th and 30th; Smithfield, 18th; Wheel-g, 6th, 8th, 18th, 24th, and 26th.

Halo, lunar: Parkersburg, 4th.

Halos, solar: Ryan, 16th and 21st.

Smoke, light: Lost Creek, 8th, 9th, and 10th; Mannington, 9th, 10th, and 26th; Pickens, 8th.

Sleet: Bayard and Wheeling, 13th; Evenwood, 18th; Horton, 15th; Martinsburg, Piedmont, and Terra Alta, 1st; Moundsville, 28th; Parkersburg, 27th.

Thunderstorms (dates and number of stations reporting): 11th, 8: 12th, 5; 13th, 4; 14th, 2; 17th, 1; 18th, 20; 19th, 15; 25th, 1; 26th, 8; 28th, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.11	75	54	66	229.2	62	6,938	9.3	40	sw.	18
Columbus, Ohio	30.10	76	62	62	205.8	55	9,271	12.5	54	w.	14
Elkins	30.12	84	62	71	177.4	48	4,753	6.4	35	nw.	27
Lexington, Ky	30.10	79	68	....	155.4	42	11,691	15.7	54	nw.	27
Parkersburg	30.12	74	54	59	166.2	45	5,250	7.1	32	sw.	14
Pittsburgh, Pa	30.10	76	63	62	180.3	49	8,566	11.5	46	sw.	19
Wytheville, Va	30.09	75	56	63	210.0	56	5,726	7.7	38	w.	19

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	34.9	.....	.....	4.91	.....	.....	.....	.....	.....	.....
1892	36.4	87	8	3.50	.....	.....	.....	.....	.....	.....
1893	40.7	84	3	1.49	2.89	0.89	5.2	8	8	15
1894	45.8	88	1	1.94	3.05	0.75	1.9	15	9	7
1895	39.6	90	0	3.05	4.75	0.89	7.9	11	9	11
1896	36.1	76	−10	4.45	8.40	1.76	.....	10	8	13
1897	46.1	81	12	3.60	6.52	1.33	.....	9	10	12
1898	48.5	86	9	5.13	10.05	1.25	T.	8	9	14
1899	42.5	76	0	5.82	8.48	2.40	4.5	7	9	15
1900	38.5	78	− 5	3.79	6.48	2.18	14.7	7	9	15
1901	42.9	83	−11	3.23	5.27	0.90	2.3	8	8	15
1902	43.4	80	− 5	4.30	6.29	3.00	15.0	10	9	12
1903	51.3	87	13	4.47	6.59	2.70	0.2	10	9	12
1904	43.8	86	7	4.12	6.10	1.38	1.9	9	8	14
1905	46.6	88	− 2	4.10	6.46	1.45	0.7	14	7	10
1906	37.3	75	− 7	4.77	8.11	1.98	13.4	7	6	18
1907	49.6	94	2	4.77	8.18	1.05	4.2	12	8	11
1908	47.8	89	15	6.04	8.60	1.23	1.1	11	8	12
1909	40.8	83	10	3.38	8.66	1.10	4.7	9	10	12
1910	49.5	90	5	0.55	2.25	0.04	1.1	18	9	4
1911	40.5	90	− 5	3.30	7.86	1.12	5.2	11	8	12
1912	39.9	80	6	5.02	9.36	1.78	5.1	8	7	16
1913	45.7	89	− 3	4.53	7.90	1.77	2.7	11	9	11
1914	37.3	83	−13	3.03	7.11	0.89	17.7	10	8	13
1915	34.4	63	7	1.61	4.32	0.53	6.7	12	7	12
1916	38.5	88	− 4	4.88	9.88	2.49	9.0	11	7	13
1917	41.9	85	− 3	6.58	14.20	3.10	11.6	14	4	13
1918	46.5	85	9	4.26	9.37	1.55	0.1	16	5	10
1919	44.5	81	12	2.92	4.81	1.60	0.8	16	6	9
1920	42.8	83	− 5	3.38	8.87	1.40	3.1	17	5	9
1921	52.7	90	10	2.84	5.75	0.63	T.	14	8	9
1922	45.0	85	0	5.33	8.19	1.40	3.3	10	5	16
1923	41.7	82	− 4	3.23	5.50	0.88	3.2	15	5	11
1924	38.9	83	4	4.16	7.86	1.60	9.9	10	7	14
1925	43.6	82	−12	3.25	6.59	1.00	2.2	12	6	13
Means and extremes	42.7	94	−13	3.88	14.20	0.04	5.1	11	8	12

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., March, 1925

See temperature and precipitation data in Climatological Tables, Pages 10, 11, and 12

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
arksburg	Evaporation	....	....	....	....	....	....	....	.040	.145	.055	.231	.051	.088	.130	.105	.165	.105	.025	.130	.055	.075	.162	111	.112	.154	.100	.143	.049	.074	.030	.035	2.370
	Wind movement	24	156	101	46	53	34	19	20	77	38	56	96	26	121	181	61	60	23	117	97	41	134	19	21	32	84	12	86	50	171	83	2,139

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for March, 1925

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,700	24	39.6	+1.9	73	26	-1	3	50	3.29	-1.09	0.74	8.5	14	15	4	12	w.	U. G. Clark
Brandywine††	Pendleton	...	9	40.6	...	70	8†	0	3	43	3.10	...	1.75	T.	6	18	3	10	s.	Elmer Keister
Burlington[c]††	Mineral	875	31	41.0	-0.2	75	9	7	3	40	...	...	...	T.	...	12	8	8	s.	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	36	...	...	...	...	...	...	...	2.18	-0.88	0.80	T.	8	...	...	...	...	J. C. Newcomer
Martinsburg	Berkeley	435	33	44.2[a]	+2.9	78[a]	26	9	3	44[a]	2.47	-0.83	1.05	T.	8	18	6	7	n.	Dr. H. S. Gardner
Moorefield	Hardy	900	29	46.4	+2.5	82	26	11	3	53	2.45	-0.22	1.18	T.	6	28	3	0	...	M. S. Henkel
Piedmont	Mineral	919	12	42.6	...	76	26	7	3	41	1.78	...	0.45	T.	8	14	4	13	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	27	42.8[a]	+0.2	81[a]	26	6	3	50[a]	1.00	-2.10	0.63	T.	3	9	14	8	...	Richard A. Bergdoll
Stony River Dam	Grant	3,300	5	...	...	...	...	...	...	...	2.48	...	0.95	5.5	12	6	5	20	w.	A. C. Becker
Upper Tract	Pendleton	1,230	26	40.2[f]	-2.7	68[f]	7†	4[f]	3	48[f]	1.70	-0.84	1.60	...	2	14	0	17	...	J. M. Mallow
Wardensville	Hardy	1,200	7	43.6[a]	...	77[a]	26	10	3	47[a]	2.27	...	1.05	2.9	11	12[a]	7[a]	11[a]	nw.	Luther F. Sutton
Averages and	extremes	...	...	42.8	+1.0	82	26	-1	3	53	2.18	-0.99	1.60	2.1	8	15	5	11	nw.	
Northern Division																				
Aberdeen	Upshur	1,060	1	...	...	...	...	...	...	...	3.88	...	1.01	1.9	14	6	10	15	w.	L. Else Bond
Bens Run	Pleasants	622	23	46.1	+2.9	77	25†	6	3	42	2.31	-1.83	0.50	T.	8	11	10	10	...	J. D. Riggs
Benson	Harrison	1,080	2	44.6	...	80	8	-2	3	50	3.31	...	0.63	0.2	13	13	6	12	...	R. D. Marts
Brownsville	Lewis	1,032	2	44.6	...	78	26	1	3	51	2.78	...	0.65	1.4	14	12	7	12	...	S. L. Montgomery
Bruceton Mills	Preston	1,549	5	...	...	...	...	...	...	...	4.42	+1.01	1.01	7.0	12	3	12	16	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	28	42.9	+1.3	74	10	0	3	37	4.78	+0.26	0.85	1.0	13	16	1	14	...	H. A. Darnall
Cheat Bridge	Randolph	3,558	7	34.2[a]	...	69[a]	9†	-12	3	46[a]	4.01	...	1.25	12.5	12	18	3	10	...	H. F. Cromer
Clarksburg	Harrison	1,015	3	41.7	...	78	11†	3	3	45	2.61	...	0.73	T.	13	10	7	14	nw.	Clarksburg Water Board
Cortland	Tucker	3,300	14	...	...	...	...	...	...	...	4.21	+0.06	1.40	7.0	8	10	10	11	...	G. W. Harmon
Crawford	Lewis	1,087	2	...	...	...	...	...	...	...	4.69	...	1.01	3.3	14	16	1	14	...	J. Cecil Owens
Creston	Wirt	701	23	45.6	+1.4	78	10†	5	3	46	3.18	-0.84	1.15	T.	9	8	2	21	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	786	4	...	...	...	...	...	...	...	3.01	...	0.66	T.	12	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	614	9	...	...	...	...	...	...	...	2.66	...	0.62	...	13	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	605	9	...	...	...	...	...	...	...	2.80	...	0.42	...	14	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	839	4	...	...	...	...	...	...	...	2.85	...	0.59	T.	13	...	...	...	...	Lockmaster
Davis	Tucker	3,093	16	...	...	...	...	...	...	...	4.65	+0.34	1.07	10.5	13	17	3	11	w.	Ross C. Male
Elizabeth	Wirt	646	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	E. D. Ball
Elkins	Randolph	1,947	24	41.5	+1.5	74	10	0	3	42	3.91	-0.16	1.00	5.8	15	5	11	15	nw.	U. S. Weather Bureau
Evenwood	Randolph	...	0	...	...	...	...	...	...	...	4.87	...	1.23	6.5	16	1	17	13	...	Claude A. Cunningham
Fairmont	Marion	883	19	42.4	+0.4	76	10	12	3†	44	2.87	-1.14	0.60	T.	14	20	1	10	w.	Creed E. Bolyard
Glenville	Gilmer	738	31	42.2	-2.1	80	26	5	3	48	3.13	-1.11	0.90	0.5	12	13	5	13	w.	Howard R. Brannon
Grafton	Taylor	1,000	32	43.2[a]	+0.5	79[a]	26	-1	3	54[a]	3.72	-0.23	0.80	0.4	12	15	0	16	w.	W. A. Williams
Horner	Lewis	1,044	2	...	...	...	...	...	...	...	4.15	...	1.21	0.5	14	16	7	8	...	Thomas E. Miles
Horton	Randolph	2,775	0	...	...	...	...	...	...	...	3.80	...	1.15	8.5	11	11	4	16	se.	J. W. White
Janelew (near)	Lewis	1,020	2	45.6	...	78	10†	-1	3	52	3.86	...	0.96	0.5	13	13	5	13	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	27	42.4	-0.3	75	10	-1	3	50	3.39	-0.70	0.84	1.0	12	14	3	14	w.	Allen Smith
Mannington	Marion	974	22	43.5	+0.6	75	10	3	3	45	2.90	-0.85	0.68	1.2	14	12	5	14	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	32	44.4	+2.4	75	10	4	3	37	1.87	-1.84	...	0.3	...	1	14	16	s.	Prof. E. L. Andrews
Moundsville	Marshall	642	22	42.2[a]	-0.9	78[a]	26	5	3	47[a]	2.16	-1.16	0.56	T.	8	11	9	11	sw.	Fred N. Wilson
New Cumberland	Hancock	987	27	39.9	+0.1	76	26	4	3	47	1.93	-1.43	0.46	1.0	9	14	3	14	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	31	43.8	+0.2	77	26	3	3	49	2.70	-0.95	0.55	T.	10	13	7	11	s.	Wm. Ankrom
Parkersburg	Wood	638	38	45.8	+3.0	77	26	7	3	39	2.19	-1.63	0.74	T.	8	8	9	14	nw.	U. S. Weather Bureau
Parsons	Tucker	1,656	25	42.0	+2.1	76	10†	2	3	43	4.88	+0.82	...	1.0	12	13	2	16	...	J. W. Swisher
Philippi	Barbour	1,149	28	45.7	+3.2	77	11	1	3	39	4.09	-0.11	1.20	T.	10	11[a]	4[a]	15[a]	w.	Prof. W. B. Pimm
Pickens	Randolph	2,697	22	40.2	+0.5	72	9†	-11	3	47	6.59	+0.81	1.21	22.0	14	14	4	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	2	...	...	...	...	...	...	...	3.96	...	0.75	5.8	14	9	9	13	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	38	...	...	...	...	...	...	...	4.59	+0.29	0.90	...	16	...	...	...	...	J. F. Pierce
Saint Marys	Pleasants	577	16	...	...	...	...	...	...	...	3.13	-0.49	0.65	T.	14	...	...	...	...	Wm. Hughes
Smithfield	Wetzel	835	19	42.4	+0.8	75	10†	3	3	49	3.14	-0.83	0.68	0.1	12	15	3	13	se.	G. M. Whisler
Terra Alta	Preston	2,612	24	37.8	-1.2	69	10	4	3	42	4.24	-0.58	0.90	5.8	14	8	8	15	sw.	J. J. Shanahan
Valley Chapel	Lewis	1,011	2	46.4	...	80	10	1	3	49	3.46	...	0.69	0.8	12	13	6	12	w.	J. C. Campbell
Vandalia	Lewis	1,120	2	...	...	...	...	...	...	...	4.13	...	1.00	...	10	...	...	...	...	W. S. Linger
Wellsburg	Brooke	1,225	24	42.8	+3.6	76	26	3	3	50	2.29	-0.93	0.63	T.	8	12	10	9	w.	George P. Pfister
Weston[c]	Lewis	1,026	29	46.4	+2.6	77	10	3	3	44	4.13	-0.34	0.80	...	14	14	6	8	...	Weston State Hospital
Wheeling	Ohio	646	38	40.8	-0.4	78	24	4	3	52	2.14	-0.92	0.52	T.	12	15	2	14	sw.	Miss M. B. Forsyth
Wymer	Randolph	...	...	...	...	...	...	...	...	...	3.86	...	0.49	7.8	17	9	7	15	ne.	T. R. Ratzer
Averages and	extremes	...	...	42.9	+1.0	80	8†	-12	3	54[a]	3.52	-0.54	1.40	2.9	12	12	6	13	w.	
Southern Division																				
Arbovale	Pocahontas	2,737	...	...	...	...	...	...	...	...	3.64	...	1.68	7.0	9	9	10	12	sw.	H. S. Sutton
Bancroft	Putnam	574	21	45.0	+0.5	78	10	7	3	50	3.27	-0.67	1.08	0.5	12	20	0	11	ne.	R. E. Dent
Beckley	Raleigh	2,440	25	43.4	0	72	10†	3	3	32	2.27	-1.59	0.71	1.0	7	14	4	13	w.	K. E. Williams
Bluefield[c]	Mercer	2,558	30	50.8	+6.5	79	10	5	3	43	1.58	-2.08	0.43	T.	10	16	3	7	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	10	...	...	...	...	...	...	...	3.40	...	1.60	T.	3	...	...	...	n.	Miss Katie Jarvis
Charleston	Kanawha	597	22	47.2	-1.5	82	10	10	3	46	3.89	-0.53	1.28	...	12	12	0	19	...	R. O. Fields
Clay	Clay	706	9	...	...	...	...	...	...	...	3.96	...	1.44	0.3	16	...	...	...	...	Ted Thomas
Dam 6 G. K.	Kanawha	...	...	...	...	...	...	...	...	...	3.98	...	1.33	0	13	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	557	9	...	...	...	...	...	...	...	2.80	...	0.98	...	9	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	551	9	...	...	...	...	...	...	...	2.67	...	0.75	...	10	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	505	9	...	...	...	...	...	...	...	3.02	...	1.05	0	9	...	...	...	...	U. S. Engineer Office
Gary	McDowell	1,426	9	45.8	...	79	9	9	3	47	1.48	...	0.63	T.	8	...	...	...	...	U. S. Coal & Coke Co.
Huntington	Cabell	538	31	45.4	+0.8	77	10	10	3	43	3.38	-0.95	1.16	0.5	10	14	3	14	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	6	...	...	...	...	...	...	...	3.82	...	1.78	...	10	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	9	...	...	...	...	...	...	...	3.32	...	1.33	...	12	...	...	...	...	Cabin Creek Con. Coal Co
Lewisburg	Greenbrier	2,200	25	44.5	+2.5	74	9	3	3	42	1.45	-2.51	0.54	T.	7	12	7	12	nw.	Geo. T. Argabate
Logan	Logan	700	22	...	...	...	...	...	...	...	3.24	-2.01	1.20	0	9	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	26	38.0	-0.6	68	10	-2	3	44	3.94	-0.42	1.32	6.0	9	7	19	5	nw	S. L. Brown
Point Pleasant	Mason	553	32	47.6	+2.2	80	9†	8	3	52	3.59	-0.56	0.82	0.2	10	17[a]	0[a]	13[a]	ne.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	538	10	46.8	...	77	10	7	3	45	3.38	...	1.08	T.	9	16	0	15	nw.	Lockmaster
Robertsburg	Putnam	574	25	44.2	-0.4	78	10†	6	3	51	3.20	-0.88	0.91	1.0	13	13	0	18	...	M. Frazier
Ryan	Roane	700	22	43.3	-0.6	76	10†	3	3	48	3.32	-1.00	0.54	0.9	13	12	4	15	...	Wm. E. Ryan
Sharples	Logan	...	5	...	...	...	...	...	...	...	2.68	...	0.66	T.	6	...	...	...	...	E. H. Locke
Sissonville††	Kanawha	625	...	...	...	...	...	...	...	...	3.53	...	1.20	...	5	...	...	...	...	J. N. Johnson
Spencer††	Roane	784	21	45.2	+2.3	78	10†	4	3	43	3.10	-0.84	0.90	0.5	13	4	11	16	...	A. M. McKown
Summersville	Nicholas	1,894	1	43.9[1]	...	71[1]	26†	-1	3	42[1]	4.03	...	1.25	...	13	12	5	14	...	J. O. McMillion
Sutton	Braxton	839	19	44.6	-1.0	78	10†	4	3	49	4.92	+0.89	1.30	2.0	10	19	0	12	...	C. B. Eakle
Union[d]	Monroe	2,250	21	46.1	+3.1	77	10	2	3	49	1.80	-1.94	0.77	T.	5	9	10	8	...	W. M. H. Young
Wayne	Wayne	598	...	...	...	...	...	...	...	...	3.78	...	1.20	...	9	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,940	15	43.0[a]	-1.7	78[a]	10	4	2	50[a]	1.54	-2.58	0.50	T.	11	18	0	13	...	E. J. Comar
Williamson	Mingo	660	25	45.3	-1.5	74	10†	13	3	42	2.93	-1.67	1.09	0.5	13	17	4	10	w.	J. F. Keyser
Averages and	extremes	...	...	45.1	+0.8	82	10	-2	3	52	3.17	-1.14	1.78	0.9	10	14	4	13	w.	
State averages and	extremes	...	...	43.6	+0.9	82	10†	-12	3	54	3.25	-0.77	1.78	2.2	11	12	6	13	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, a, b, c appearing in the table indicate number of missingdays ; for example, b represents two days, etc.

Daily Precipitation for March, 1925

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard	Potomac	.65	.16									T.	.29	.05	T.	.08	.08	.25	.10	.44	.05							.74	.17	.21	.02	T.	3.29
Brandywine	do	.35				T.								.50		T.		.25	*	1.75							T.	.25	T.	T.	T	T.	3.10
Burlington	do		.50				.40					T.			T.												T.	.40	T.				+++
Harpers Ferry |||	do					.12	.04						.03		.17			.21	.20	.80									.58	T.			2.18
Martinsburg|||	do	T.	.11			T.	.04						.11		.10		T.	.28	.22	1.05									.56	T.	T	T.	2.47
Moorefield	do	.34												.33			T.	.25		1.18								.25	.10	T.			2.45
Piedmont	do	.32										.22			.01			.33	.20	.24	.01							.45	T.				1.78
Stony River Dam|||	do		.28	.08								.02	.16	.08	.03			.10		.95	.04							.30	.28	.16			2.48
Upper Tract	do	T.												T.						1.60									.10				1.70
Wardensville|||	do	.02	T.	T.		T.						.15		.40	.05			.15	.08	1.05								.19	.15	.02	.01	T.	2.27
Northern Division																																	
Aberdeen	Monongahela	.67	.13									.14	.36	.03	.10			.18	.11	.90								.73	.27	.06	.04	.16	3.88
Bens Run	Ohio	.30	.03									.38			.50				.23	.31								.47	.09	T.	T.		2.31
Benson	Monongahela	.43	.10									.17	.39		.27			.23	.16	.62	.01							.63	.20	.06	.04		3.31
Brownsville	do	.65	.02									.12	.35	.08	.17			.17	.16	.32								.26	.34	.05	.04	.05	2.78
Bruceton Mills	do	.65	.08									.50	.03	T.	.07	T.		.34	.16	.48	T.							.62	.08	.40	1.01		4.42
Buckhannon	do	.67	.08									.35		.40	.18			.28	.65	.66								.85	.30	.08	.10	.18	4.78
airo	Little Kanawha																																
heat Bridge |||	Monongahel	.40	.10	.04									.21			.17		.22		1.25								.48	.70	.25	.05	.14	4.01
larksburg	do	.01	.39									.16	.39		.08	.10		.22	.02	.73								.22	.23	T.	.03	.03	2.61
ortland	do	.40	.24										.50	.25				.50		1.40						.60				.32			4.21
rawford	do	.55	.14									.11	.34	.20	.12			.24	.43	1.01								.88	.44	.09	.04	.10	4.69
reston ||	Little Kanawha	T.	.45	T.								.05	.50	T.	.48	.10		.06	T.	1.15	T.							.22	.17		T.	T.	3.18
Dam 10, Mon. R.|||	Monongahela		.52									.11	.46	T.	.03	.15		.16	.07	.66	.04							.08	.64	.09	T.	T.	3.01
am 12, O. R.|||	Ohio		.26									.23	.21		.27	.22		.16	.01	.62								.30	.33	.01	.02	.02	2.66
am 13, O. R.|||	do		.38			.02					.02	.23	.31		.26	.15		.14		.42								.40	.35	.02	.08	.02	2.80
am 15, Mon. R.|||	Monongahela		.47									.11	.37		.08	.06		.28	.11	.59								.17	.38	.07	.10	.06	2.85
avis	do	.16	.52	.04									.34		.11	.31		.28		1.07	T.							.45	.81	.32	.16	.08	4.65
lizabeth	Little Kanawha																																
lkins ***	Monongahela	.37	.15									.29	.01	.29	.15	T.		.19	.64	.36	T.						.11	.70	.31	.13	.06	.15	3.91
venwood	do	.28	.22	.02								.22	.02	.44	.06	.15		.35		1.23	.04							1.10	.38	.26	.09	.01	4.87
airmont	do	T.	.50	.02	T.	T.						.14	.40		.10	.10	T.	.26	.02	.60	T.	T.						.24	.40	.05	.03	.01	2.87
lenville	Little Kanawha	.14	.31								.12	.48			.35		.20				.90							.30	.18	.05	.06	.04	3.13
rafton (near)	Monongahela	.65	.03									.18	.38					.41	T.	.80	.11							.30	.48	.11	.10	.17	3.72
orner	do	.71	.08										.50	.07	.25			.22	.20	1.01	.01							.70	.07	.12	.13	.08	4.15
orton	Monongahela	.33	.24										.05	.63		.14		.17		1.15							T.	.49	.35	.17		.08	3.80
anelew(near)	do	.60	.10									.14	.47	.07	.15			.23	.16	.80								.72	.23	.05		.14	3.86
ost Creek	do	.56	.06			T.						.22	.42	T.	.22			.25	.38	.46	T.							.57	.20	.02	.03	T.	3.39
annington	do	.50	.02									.18	.23		.22			.20	.18	.50	.07							.65	.05	.04	.03	.03	2.90
organtown	do	.40	T.									.37						*	*	*	*	*	*	*	*	*	*	.95	T.	.05	.10		1.87
oundsville|||	Ohio	.30										.29			.36			.10	.49									.56	.03	T.		.03	2.16
ew Cumberland|||	do		.31									.19	.07		.40	.06		.04		.46								.10	.30	T.			1.93
ew Martinsville	do	.55	T.									.50	.05		.30			.15	.15	.30	.10							.50	.10	T.			2.70
arkersburg ***	do	.24	T.		T.	T.						.36			.37			.05	.74								.02	.40	.01	T.	T.		2.19
arsons	Monongahela	1.05	.08									.80	.20	.10		T.		.32	.93		T.							*	*	*	*	1.40	4.88
hilippi	do	1.20	.10			T.					.33	.39	T.	.12	T.		.12	.40	.83								.53	.07	T.	T.	T.		4.09
ickens	do	1.01	.40									.14	.11	.56	.23	T.		.47	.52	.66	.08							1.21	.72	.32		.16	6.59
oanoke	do	.57	.07	T.		T.						.02	.41	.05	.15	T.		.18	.39	.73								.75	.44	.07	.06	.07	3.96
owlesburg |||	do	T	.88	.02								.02	.58		.03	.37		.15	.33	.86	.14	.12						.12	.62	.10	.13	.12	4.59
aint Marys |||	Ohio	.10	.28	T.								.20	.28		.37	.18		.11	.31	.65	.02	T.						.41	.18	.02	.02		3.13
mithfield|||	Fishing Creek		.54									.13	.32		.21	.14		.20		.68	.01							.58	.28	T.	.01	.04	3.14
erra Alta	Monongahela	.74	.05									.51	.09	T.	.12	T.		.32	.16	.82	.08							.90	.25	.09	.03	.08	4.24
alley Chapel	do	.52	.10									.17	.48	.03	.23			.26	.13	.69								.58	.16	.11			3.46
andalia	do		.16								.17	.03	.40	.30				.02	.80	1.00								.95	.30				4.13
ellsburg	Ohio	.25	T.								T.	.38		.07	.34				.19	.40									.63	.03			2.29
eston ||	Monongahela	.67			.08							.15	.42	.10	.23			.25	.45	.55			.05					.80	.20	.08	.10		4.13
heeling |||	Ohio	T.	.20	T.		T.						.26	.26	T.	.20	.20		.10	T.	.31	T.	T.						.26	.30	.01	.02	.02	2.14
ymer	Monongahela	.45	.35									.08	.10	.48	.05	.15	.20	.47	.32	.20	.04							.49	.29	.11	.01	.07	3.86
Southern Division																																	
rbovale	Great Kanawha	.42	T.			T.							.10	.35		.04		.04		1.68	T.							.61	.20	.20		T.	3.64
ancroft |||	do	.05	.04									.45	.38	.28	.53	.03		.13		1.08	.05							.22	.03		T.		3.27
eckley	do	.25											.11						.42	.56								.71	T.	.10		.12	2.27
uefield	do					.06							.10		.01			.03	.40	.35								.43	.03		.08	.09	1.58
amden-on-Gauley|||	do	.80	T.													T.			1.00	1.60											T.	T.	3.40
arleston |||	do		.51									.03	.41	.30		.45		.04	.07	1.28	.05							.38	.27			.10	3.89
ay |||	do	.08	.45	.02		.01						.08	.33	.51	.05	.15		.13	.04	1.44	.02							.29	.27		.09		3.96
am 6 G. K. |||	do	.09	.30									.05	.52	.51	.39	.06		.10	.05	1.33	.03							.43	.12				3.98
am 19 O. R. |||	Ohio	T.	.33	T.								.15	.30		.37	.11		.06		.98								.36	.14	T.	T.		2.80
am 20 O. R. |||	do	.08	.34									.18	.31		.43	.03		.04		.75								.38	.13				2.67
am 26 O. R. |||	do	.05	.40									.15	.40	.02	.45			.10		1.05								.40					3.02
ry|||	Big Sandy		.05			.07							.11			T.		.06	.12	.63								.25	.19		T.		1.48
intington |||	Ohio	.20	.20									.14	.54	.16	.56			.04		1.16								.36	.02		T.	T.	3.38
anawha Falls|||	Great Kanawha	.30	.43										.33	.18		.10		.07	.05	1.78								.20	.38				3.82
yford|||	do	.05	.39	.03									.29		T.	.07		.12		1.33	T.							.19	.63	.01	.10	.11	3.32
wisburg	do	.19				T.							.07			T.		.13	.11	.37								.54	.04	T.			1.45
gan ||	Guyandotte	.14	.40										.14		.13	T.		.20	T.	1.20								.65	.20			.18	3.24
rlinton	Great Kanawha	.48	T.			T.							.04	.34	T.	T.		.42	1.22	.10								.84	.40	.10	T.	T.	3.94
int Pleasant |||	Ohio	.12	.20									.50	.43		.52	.30		.08		.82								.60	.02	T.	T.		3.59
venswood(Dam 22	Ohio	.04	.32	T.								.20	.48		1.08	.10		.05	T.	.73								.38			T.	T.	3.38
bertsburg |||	Great Kanawha	.10	.35									.16	.51	.11	.53	.02		.11	.02	.91								.28	.09		.01		3.20
an	do	.49	.03									.45	.15	.22	.43			.09	.54	.37							.16	.33	T.	.01	.05		3.32
arples	Coal River	T.	T.										.54		.35				.40	.55								.66	.18				2.68
sonville|||	Great Kanawha	*	.55													1.20				1.17	T.						T.	.61					3.53
ncer |||	do																																
nmersville	Gauley	.40	T.										.35	.15	.10	T.		.20	.30	1.25	.03							.85	.15	*	*	.25	4.03
ton	Great Kanawha	.70	.16										1.10	.38	.14			.20		1.30								.72	.12	.10	T.	T.	4.92
ion	do					.13												.10	.05	.75								.77	T.		T.	T.	1.80
yne|||	Big Sandy	.15	.29									T.	.43	.25	.76			.10	1.20	.26							*	.34					3.78
ite Sulpr. Spgs.|||	Great Kanawha				.02							.03			.04		.17	.03	.50								.45	.18	.05	.02	.05		1.54
lliamson	Big Sandy	.25	.05	.05									.12	T.	.08	.10		.12	.12	1.09								.75	.10		.06	.04	2.93

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

+++ Probably incomplete.

Daily Temperatures for March, 1925

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	43	43	34	41	41	53	65	67	66	72	71	56	52	61	53	52	53	61	57	47	63	64	55	61	62	73	69	38	31	32	39	54.0
	Minimum	15	9	-1	12	28	29	25	28	38	22	40	20	20	34	22	12	35	28	40	25	29	26	17	22	31	36	36	28	24	24	30	25.3
Brandywine	Maximum	45	42	35	45	45	55	65	70	67	68	68	67	48	45	42	47	55	52	45	50	60	60	50	60	66	70	65	45	40	38	44	53.4
	Minimum	20	13	0	18	28	18	22	29	35	36	40	38	32	35	23	14	35	26	37	35	23	30	19	24	36	34	40	30	28	27	35	27.7
Burlington	Maximum	23	30	45	42	39	40	45	71	75	70	70	65	55	41	40	45	50	50	55	54	55	60	65	70	66	51	40	40	....	....	....	51.9
	Minimum	10	12	7	14	14	16	20	31	36	35	32	32	31	31	31	31	34	39	40	42	40	40	40	41	42	35	32	31	....	....	....	30.0
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Martinsburg§	Maximum	43	40	37	55	40	63	66	73	61	63	71	58	58	73	45	55	47	59	66	59	69	60	57	63	73	78	66	55	44	52	....	58.3
	Minimum	16	23	9	11	21	30	33	33	38	38	40	37	29	30	31	21	25	31	34	39	30	34	28	28	29	35	40	38	34	33	37	30.2
Moorfield	Maximum	46	48	42	54	51	66	71	78	77	79	78	67	62	73	69	59	53	66	62	57	74	74	65	75	75	82	75	65	59	43	51	64.4
	Minimum	20	18	11	16	27	20	22	25	30	26	37	33	21	42	36	14	35	31	46	34	22	33	20	22	40	33	42	32	28	27	34	28.3
Piedmont	Maximum	34	40	36	46	42	56	63	72	61	61	66	54	51	68	50	54	47	60	51	55	68	63	58	67	64	76	55	45	36	41	46	54.4
	Minimum	20	12	7	18	31	26	31	31	43	35	38	34	27	37	28	19	37	35	45	35	27	33	24	27	39	36	45	34	30	31	37	30.7
Romney	Maximum	42	25	40	51	39	63	69	77	62	65	73	58	64	72	44	58	49	65	57	59	74	56	59	69	70	81	63	46	38	43	....	57.7
	Minimum	20	19	6	11	21	20	26	28	44	33	36	35	24	29	28	16	24	34	35	35	24	32	22	24	35	36	46	35	31	30	30	28.0
Upper Tract	Maximum	46	42	40	50	....	67	68	64	62	64	67	68	....	51	50	55	54	....	46	48	....	56	56	....	64	65	....	48	46	40	42	54.4
	Minimum	26	15	4	25	....	20	20	30	32	33	36	37	....	28	26	17	19	....	29	29	....	21	22	....	27	28	....	32	28	28	35	25.9
Wardensville§	Maximum	47	32	37	44	55	68	71	71	72	69	65	45	62	62	70	52	55	62	57	66	55	50	55	67	71	77	58	45	45	45	....	57.7
	Minimum	21	20	10	16	29	21	25	32	31	33	39	36	26	31	26	16	37	29	43	38	33	29	23	23	28	36	50	36	29	32	35	29.5
Northern Division																																	
Bens Run	Maximum	46	32	36	44	45	57	72	74	65	76	70	55	72	65	44	61	57	59	62	54	64	62	59	73	77	77	71	49	46	47	50	58.7
	Minimum	25	16	6	24	33	25	30	36	41	41	48	32	32	44	26	24	43	36	43	39	30	32	29	31	48	40	46	35	33	33	37	33.5
Buckhannon	Maximum	38	35	28	41	41	56	65	64	60	74	66	54	60	50	45	50	49	65	54	44	58	50	62	63	58	71	65	50	55	39	41	53.3
	Minimum	26	14	0	21	33	24	28	36	44	44	54	34	30	45	29	22	43	32	44	37	28	33	26	27	46	39	39	35	29	31	34	32.5
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Clarksburg	Maximum	43	47	20	38	46	43	57	71	74	67	78	61	56	68	65	43	62	54	68	46	54	66	55	57	73	67	78	55	41	35	39	55.7
	Minimum	12	17	3	8	33	23	26	31	29	35	42	23	24	35	30	18	26	24	28	32	26	35	28	27	32	37	43	35	33	31	32	27.7
Creston	Maximum	48	38	37	45	41	57	71	75	72	78	78	56	72	69	47	61	58	62	62	54	65	63	64	73	72	78	75	51	46	40	49	59.9
	Minimum	22	15	5	19	23	20	26	33	37	41	48	30	36	46	28	20	42	32	44	38	25	30	25	27	43	38	45	36	32	32	34	31.4
Elkins	Maximum	48	26	36	45	36	54	69	70	70	74	66	53	57	66	35	55	51	64	62	49	66	51	55	68	66	73	54	37	31	33	39	53.5
	Minimum	26	7	0	23	32	31	27	35	45	48	42	32	27	26	24	17	36	30	40	29	24	31	23	26	45	38	37	29	27	26	30	29.5
Fairmont§	Maximum	48	25	35	45	41	55	66	74	64	76	60	54	65	64	43	60	51	64	49	53	65	54	59	72	65	75	54	43	35	39	46	54.8
	Minimum	14	17	12	12	32	25	25	31	38	38	51	31	30	34	27	21	25	33	34	36	30	31	26	28	37	38	49	34	31	29	31	30.0
Glenville	Maximum	46	48	42	46	49	69	64	69	78	79	78	70	52	51	53	48	40	36	44	36	49	51	42	43	49	80	78	59	49	42	50	54.5
	Minimum	22	17	5	20	33	21	25	31	42	42	51	30	27	41	29	29	32	30	25	26	24	29	24	25	26	38	45	36	32	32	35	29.8
Lost Creek	Maximum	45	36	32	45	40	56	68	73	66	75	72	53	65	65	44	59	53	65	58	52	64	60	55	72	68	74	70	41	37	36	44	56.2
	Minimum	17	13	-1	17	30	19	23	33	40	39	49	38	23	42	26	15	40	27	41	32	20	25	21	22	42	34	38	33	29	28	31	28.6
Mannington	Maximum	46	37	31	45	43	53	66	72	69	75	73	53	66	66	49	58	57	61	60	51	65	63	53	70	69	74	73	45	40	40	45	57.0
	Minimum	20	15	3	18	31	21	26	30	38	38	46	29	24	49	27	18	42	32	43	34	25	27	22	25	41	33	44	33	32	30	34	30.0
Morgantown	Maximum	45	37	39	45	43	51	62	73	68	75	70	50	66	63	40	58	57	65	63	51	64	60	51	69	65	74	70	41	35	35	43	55.8
	Minimum	29	11	4	21	31	24	33	53	36	51	49	29	32	39	25	25	42	36	42	35	36	29	23	32	46	47	40	32	29	28	32	32.9
New Cumberland§	Maximum	44	15	31	37	40	54	64	68	55	70	54	51	60	61	38	56	56	62	48	54	64	50	53	72	66	76	56	44	38	42	49	52.5
	Minimum	9	12	4	8	28	23	24	30	33	35	42	26	27	31	22	20	27	34	36	37	37	26	21	25	32	34	37	34	30	30	31	27.3
New Martinsville	Maximum	45	40	33	42	45	58	72	74	68	75	72	57	72	66	45	62	58	57	62	55	65	58	58	74	72	77	70	48	44	42	46	58.5
	Minimum	20	12	3	19	29	21	25	33	35	38	44	26	25	38	22	19	40	34	40	32	26	27	23	25	45	35	43	33	30	29	30	29.1
Parkersburg	Maximum	46	28	35	47	42	57	71	75	65	76	67	54	73	64	43	60	57	61	62	54	66	53	59	73	69	77	62	46	40	42	47	57.1
	Minimum	28	11	7	28	31	25	34	46	41	50	40	32	34	32	28	28	44	39	42	39	34	36	33	35	52	48	40	37	33	33	33	34.6
Parsons	Maximum	45	35	34	55	41	54	67	68	72	76	67	52	68	58	39	56	54	68	62	52	67	50	52	68	67	76	60	36	37	34	42	55.2
	Minimum	30	8	2	22	28	28	25	30	30	38	49	34	37	38	24	17	24	32	42	32	24	25	22	25	37	36	36	32	28	28	32	28.9
Philippi	Maximum	48	40	32	44	42	55	69	72	70	74	77	55	63	68	47	60	54	68	67	51	66	63	56	71	68	75	72	46	38	33	43	57.6
	Minimum	30	10	1	25	32	28	32	51	40	45	50	39	33	43	26	24	41	38	42	34	30	24	34	47	46	46	39	32	29	27	31	33.8
Pickens	Maximum	42	30	36	47	36	45	69	69	72	72	66	54	58	61	38	55	47	52	59	50	66	54	57	71	65	72	59	35	31	32	40	52.9
	Minimum	20	2	-11	15	27	20	27	40	40	47	41	31	33	35	20	15	35	31	35	27	27	27	31	27	41	47	32	26	21	20	21	27.4
Terra Alta	Maximum	40	36	31	35	36	47	58	64	64	69	67	50	48	48	47	51	49	59	50	44	57	57	51	62	62	68	67	33	28	34	36	49.9
	Minimum	20	5	4	11	29	24	25	35	37	35	46	26	21	39	30	12	34	26	36	30	20	24	16	20	36	33	32	24	21	22	27	25.8
Wellsburg	Maximum	45	38	31	38	41	56	65	70	65	71	66	54	62	64	47	57	54	54	65	55	64	61	52	53	75	76	70	70	46	44	49	56.7
	Minimum	19	11	3	19	29	21	25	32	30	33	44	25	24	41	23	18	38	32	40	31	26	24	49	20	25	44	31	14	30	31	30	28.8
Weston	Maximum	58	39	33	47	44	57	71	75	70	77	76	55	68	67	52	60	56	67	63	....	67	64	57	73	70	....	76	45	41	46	....	59.8
	Minimum	23	15	3	22	33	25	29	42	43	41	51	34	29	51	29	21	41	32	44	....	28	33	28	29	45	....	44	41	34	34	....	33.0
Wheeling§	Maximum	44	22	32	35	45	60	70	75	57	74	57	56	64	62	63	60	59	60	44	58	66	57	58	78	73	72	56	41	45	44	51	56.1
	Minimum	6	10	4	6	6	25	24	29	30	35	40	23	26	32	19	21	25	34	36	34	29	26	24	26	27	35	42	33	30	27	29	25.6
Southern Division																																	
Bluefield	Maximum	....	49	43	49	46	56	70	....	74	79	72	72	73	62	....	61	56	65	64	58	66	....	73	72	68	73	70	67	....	65	58	63.
	Minimum	....	12	5	30	30	25	32	....	46	50	54	54	48	45	....	41	54	48	45	34	37	....	30	48	50	45	36	32	....	24	29	37.
Charleston	Maximum	52	26	45	56	44	61	76	77	75	82	63	61	75	69	48	63	62	66	55	60	70	60	61	76	73	80	59	50	41	43	53	60.
	Minimum	30	22	10	12	34	26	30	34	43	45	49	35	35	44	31	24	28	39	45	36	30	31	29	30	38	45	50	37	35	32	33	33.6
Gary §	Maximum	55	28	47	55	40	59	73	76	79	77	77	60	71	66	44	57	63	69	54	58	70	63	66	73	65	76	59	47	45	38	43	59.8
	Minimum	15	24	9	10	28	26	26	30	40	43	45	45	40	45	30	22	24	38	43	38	29	32	28	31	35	41	44	35	32	30	30	31.9
Huntington §	Maximum	48	28	38	49	41	56	69	73	68	77	60	53	76	65	41	65	58	60	50	52	67	54	58	73	68	76	55	49	45	44	45	56.8
	Minimum	16	20	10	12	29	25	26	36	42	42	55	35	35	45	32	26	28	42	45	37	32	38	34	35	35	50	49	37	35	34	35	33.9
Lewisburg	Maximum	45	53	39	51	47	59	69	71	74	72	72	71	58	65	56	51	56	63	61	54	67	61	61	70	67	71	67	46	41	40	44	58.8
	Minimum	26	13	3	18	32	23	27	29	38	40	46	41	35	33	25	19	37	31	44	32	25	36	24	28	36	35	39	31	30	27	32	30.2
Marlinton	Maximum	38	32	30	46	38	54	66	64	64	68	66	56	44	56	36	46	50	54	50	48	60	52	56	66	64	66	50	36	34	34	38	50.4
	Minimum	20	8	-2	12	30	24	22	26	34	34	36	36	32	32	22	10	28	28	40	30	18	30	20	22	32	32	34	28	26	22	24	25.5
Point Pleasant	Maximum	42	38	40	45	50	59	77	71	80	80	74	74	80	70	50	65	55	60	64	60	72	70	62	79	75	80	79	65	53	45	61	63.7
	Minimum	22	12	8	22	27	20	25	30	40	40	49	49	32	38	30	24	30	35	40	38	29	31	34	30	39	40	41	32	30	30	25	31.4
Ravenswood	Maximum	47	38	37	46	44	58	71	74	68	77	76	56	72	68	74	60	58	58	62	55	65	66	61	71	71	75	74	54	48	44	51	60.6
	Minimum	26	16	7	23	29	22	29	36	38	44	49	31	31	42	29	23	42	36	43	39	29	31	30	29	46	42	45	36	32	33	33	32.9
Robertsburg§	Maximum	48	22	40	47	42	61	73	75	73	78	62	58	78	65	47	62	56	62	46	58	65	58	63	75	71	78	55	48	42	42	50	58.1
	Minimum	10	18	6	8	28	20	22	30	39	42	52	30	31	41	28	22	22	35	40	36	30	30	28	30	35	41	50	35	32	32	33	30.2
Ryan	Maximum	48	35	36	47	42	58	71	74	74	76	57	56	71	62	45	61	51	65	60	54	67	65	61	74	70	76	60	46	42	41	50	57.9
	Minimum	21	15	3	17	30	16	23	28	35	35	38	27	28	36	27	18	43	31	44	35	23	27	23	26	39	37	42	34	28	29	33	28.7
Spencer §	Maximum	48	20	39	47	41	57	75	57	57	78	63	57	72	50	48	62	50	56	47	55	57	50	59	74	75	77	78	58	40	41	48	56.0
	Minimum	30	18	4	20	32	19	32	50	39	42	51	30	30	39	27	22	40	35	47	40	31	36	31	32	47	41	51	41	35	32	35	34.3
Summersville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	62	63	52	54	51	63	61	49	66	64	58	69	67	71	71	45	40	33	40	56.8
	Minimum	34	13	-1	24	30	22	26	30	38	48	52	36	32	51	26	19	40	29	41	33	26	31	24	27	39	36	39	31	29	27	30	31.0
Sutton	Maximum	46	46	39	48	48	58	73	74	74	78	78	63	65	67	67	66	64	64	59	54	70	70	59	74	74	73	73	56	44	37	45	61.5
	Minimum	22	10	4	18	21	22	24	30	28	32	32	34	32	38	28	19	33	31	35	34	24	32	24	26	32	36	36	33	30	29	32	27.8
Union	Maximum	54	54	41	49	51	61	70	....	75	77	76	75	66	64	....	68	55	65	65	56	68	....	70	71	72	73	75	46	....	46	45	62.5
	Minimum	20	19	2	18	31	24	24	....	28	40	44	40	37	35	....	19	38	30	47	31	26	....	23	28	37	34	39	31	....	26	31	29.7
White Sulphur Spgs§	Maximum	34	45	43	58	68	72	74	76	74	78	52	47	47	38	42	55	65	53	64	70	55	62	68	65	74	58	41	40	38	42	....	56.6
	Minimum	22	4	10	34	22	24	24	36	38	41	44	32	34	28	14	35	32	35	34	21	30	22	24	33	35	48	34	32	29	32	29	29.4
Williamson §	Maximum	48	24	38	40	40	54	68	72	68	74	68	58	74	64	41	58	56	60	59	53	66	58	60	70	60	73	55	48	45	40	48	56.1
	Minimum	20	24	13	14	30	26	26	34	42	44	45	41	42	44	32	29	29	45	45	38	32	32	32	32	39	46	46	48	35	33	33	34.5

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[WBO, Cleveland, 5-14 25—820]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

MAY 21 1925

CLIMATOLOGICAL DATA

WISCONSIN SECTION

W. P. STEWART, Meteorologist

VOL. XXX MILWAUKEE, WIS., APRIL, 1925 No. 4

GENERAL SUMMARY

This month was considerably warmer and slightly drier than usual, with considerably more than the normal amount of sunshine. April has been warmer only once in the last 35 years. Monthly mean temperatures were considerably above the normal at all stations. The high averages were caused by almost continuously mild weather, rather than by any unseasonably warm days. On the other hand, no sub-zero temperatures occurred during the month.

The drought which had prevailed since the middle of March was not relieved in most sections until April 13th; thereafter, moisture was ample and well distributed. There was only about one-fourth of the usual April snowfall, and in no case did it remain on the ground more than two or three days. Several wind squalls during the month caused an aggregate property loss of about $11,000, and a severe hailstorm on the 22d damaged greenhouses severely in the vicinity of Milwaukee; the loss was estimated at $50,000.

The weather of the month as a whole was favorable for agriculture. The season was 10 days or more ahead of the average, and at the close of the month the seeding of small grains was practically completed, plowing for corn was general, and early canning peas and early potatoes were mostly planted.

PRESSURE

The mean sea-level pressure for the State, determined from the records of the regular Weather Bureau stations at Milwaukee, Madison, LaCrosse, and Green Bay, Wis., was 30.03 inches. The highest was 30.49 inches, at Madison on the 5th; the lowest 29.42 inches, at Milwaukee on the 19th.

TEMPERATURE

The monthly mean temperature for the State, determined from the records of 78 stations, was 49.0°, which is 5.6° above the normal. The departures varied from +2.9° at Cornucopia and High Falls, to +9.9° at New London. The highest monthly mean temperature was 56.2° at Prairie du Chien, and the lowest was 41.3° at Superior. The highest temperature reported during the month was 90°, at Kilbourn and Prairie du Chien on the 22d; and the lowest was 3°, at Long Lake on the 5th.

HUMIDITY

The average relative humidity for the State at 7:00 a.m., determined from the records of the regular Weather Bureau stations at Milwaukee, Madison, LaCrosse, and Green Bay, Wis., was 70 per cent, and at noon 52 per cent; at 7:00 p.m. the average for Milwaukee, Madison, and Green Bay was 56 per cent.

PRECIPITATION

The average for the State, determined from the records of 84 stations, was 2.10 inches, which is 0.41 inch less than the normal for April. The greatest monthly amount was 4.75 inches, at West Bend; and the least 0.89 inch, at Ashland. The greatest amount of precipitation in any 24 hours was 1.97 inches, at Racine on the 24th.

WIND

The prevailing direction was from the northeast. The average hourly velocity, determined from the records of the regular Weather Bureau stations at Milwaukee, Madison, LaCrosse, and Green Bay, Wis., was 9.5 miles. The maximum velocities at these stations were as follows: Milwaukee, 62 miles an hour from the southeast; Madison, 36 miles an hour from the northeast; La Crosse, 27 miles an hour from the south; Green Bay, 45 miles an hour from the northeast.

SUNSHINE

The actual sunshine in percentage of the possible was as follows: Milwaukee, 74; Madison, 66; LaCrosse, 63; Green Bay, 71.

MISCELLANEOUS PHENOMENA

Fog occurred at a few stations on the 19 and 22d.

Solar halos were observed on the 1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 20, 21, 23, 27, 28, and 29th.

Parhelia were observed on the 5 and 11th.

Lunar halos were observed on the 3, 8, and 29th.

Lunar coronae were observed on the 7, 8, 9, and 29th.

Thunderstorms occurred on the 10, 11; 13, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, and 29th.

Sleet occurred on the 15 and 19th.

Hail occurred on the 13, 15, 17, 18, 19, 20, 21, 22, 23, 24, and 26th.

COMPARATIVE DATA FOR THE STATE, APRIL

YEAR	Temperature			Precipitation				Average number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Average snowfall	Precipitation .01 in. or over	Clear	Partly cloudy	Cloudy
1891	45.9	84	− 5	1.97	3.81	0.43	1.4	7	13	8	9
1892	41.2	80	− 6	2.50	4.70	0.30	2.6	6	11	9	10
1893	40.5	85	0	4.45	6.67	1.76	9.1	12	6	9	15
1894	46.8	87	6	3.46	6.61	1.41	6.6	10	8	10	12
1895	47.5	94	10	1.29	3.69	0.15	1.1	5	13	10	7
1896	46.0	88	− 7	5.02	8.19	1.18	3.4	12	9	10	11
1897	43.9	87	10	2.43	4.89	0.10	1.0	10	12	10	8
1898	43.5	84	4	2.42	4.51	0.40	2.3	7	11	9	10
1899	47.2	89	− 7	2.42	4.26	0.31	0.2	6	12	11	7
1900	48.0	88	11	2.54	4.30	0.39	4.9	6	13	8	9
1901	46.7	90	12	0.85	2.22	T.	0.1	3	15	7	8
1902	44.2	88	8	1.61	3.90	0.65	0.8	5	11	10	9
1903	45.2	80	8	3.15	4.81	1.49	2.2	10	11	6	13
1904	39.3	83	− 6	1.86	3.05	0.62	6.6	6	14	6	10
1905	43.5	80	10	1.36	4.05	T.	1.8	6	9	10	11
1906	47.6	86	9	1.68	3.56	0.73	1.0	7	13	8	9
1907	36.4	72	0	2.40	5.46	0.50	11.7	8	11	8	11
1908	45.2	87	− 9	3.48	5.45	1.67	4.4	9	13	9	8
1909	37.5	75	−16	4.79	8.58	1.44	11.1	12	8	9	13
1910	47.8	93	11	3.36	5.89	0.69	8.0	10	12	8	10
1911	42.6	82	− 9	1.84	4.79	T.	4.4	7	12	7	11
1912	45.2	80	9	2.21	4.89	0.69	1.6	7	13	9	8
1913	45.6	88	10	1.98	3.29	0.74	2.2	6	16	6	8
1914	42.1	84	− 4	2.82	5.04	1.10	4.1	10	10	8	12
1915	52.2	90	4	0.86	1.93	T.	T.	6	14	9	7
1916	42.8	81	1	2.93	5.01	0.65	0.5	9	11	7	12
1917	40.3	85	− 7	2.57	5.25	0.48	3.7	8	10	8	12
1918	40.5	78	2	2.14	3.79	0.56	0.6	7	16	5	9
1919	43.3	78	4	3.36	7.55	0.60	0.1	12	10	6	14
1920	37.9	75	− 5	2.41	4.20	0.67	2.4	9	10	8	12
1921	49.0	91	9	4.32	7.95	1.29	4.3	11	13	7	10
1922	43.3	76	7	3.51	5.62	1.17	3.2	10	9	7	14
1923	41.0	85	−18	2.17	5.35	0.66	9.5	7	14	7	9
1924	42.0	84	−28	3.95	7.14	1.37	3.3	12	10	8	12
1925	49.0	90	3	2.10	4.75	0.89	0.9	7	15	8	7

Climatological Data for April, 1925

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northern Division																				
Amery	Polk	1,070	4	50.0	......	80	22†	26	5	38	2.25	......	1.23	0.0	6	19	3	8	se.	Oscar A. Granum.
Antigo §	Langlade	1,489	32	48.0	+5.4	83	23	20	5	40	1.60	−0.51	0.58	4.0	7	20	3	7	se.	E. C. Larzelere.
Ashland (near)	Bayfield	648	31	42.7	+3.2	77	24	13	5	47	0.89	−1.16	0.22	T.	5	12	12	6	ne.	Agricul. Experiment Sta.
Big St. Germain Dam‡‡	Vilas	1,590	16	45.0	+4.9	84	23	9	5	49	2.90	+0.61	0.80	4.0	6	12	12	6	n.	Wis. Val. Imp. Co.
Breakwater ‡‡**	Florence	1,140	3	......	......	....	....	....	....	....	1.60	......	0.46	0.3	8	24	0	6	ne.	Peninsular Power Co.
Brule Island ‡‡**	Florence	1,250	3	......	......	....	....	....	....	....	1.52	......	0.68	3.0	8	22	6	2	se.	Peninsular Power Co.
Chippewa Reservoir‡‡	Sawyer	1,310	1	45.4	......	83	23	17	5	46	1.55	......	0.70	T.	4	9	10	11	s.	Wiscon.-Minn. Lt. & Po. Co.
Cornucopia	Bayfield	640	14	41.8	+2.9	76	24	12	5	45	1.91	−0.19	0.89	1.6	6	12	9	9	ne.	H. B. Randall, Jr.
Danbury	Burnett	908	6	48.0^{b}	......	83^{b}	23	15^{b}	5	50^{b}	1.55	......	0.80	T.	3	19	6	5	ne.	Mrs. Marian Larson.
Deerskin Dam ‡‡**	Forest	1,683	16	......	......	....	....	....	....	....	2.13	+0.49	0.73	2.2	10	14	10	6	ne.	Wis. Val. Imp. Co.
Downing	Dunn	983	31	49.2	+5.6	82	23	24	1†	44	......	......	....	....	....	12	3	15	se.	Eugene F. Stoddard.
Florence	Florence	1,290	35	44.6	+5.5	81	24	10	5	47	2.24	−0.12	1.15	4.0	6	23	5	2	nw.	Chase O. Youngs.
Grantsburg	Burnett	1,095	35	50.6	+7.4	84	23	20	4	43	1.55	−0.91	0.67	0.0	5	16	12	2	ne.	Charles J. Elg.
High Falls ‡‡	Marinette	1,125	14	44.8^{b}	+2.9	84^{b}	25	15^{b}	5	46^{b}	1.86	−1.09	0.95	2.5	7	16	7	7	n.	Wis. Public Service Co.
Iron River	Bayfield	1,096	16	45.0	+3.7	72	24	16	5	44	1.18	−1.07	0.65	3.8	4	16	8	6	se.	E. G. Hedquist.
Koepenick	Langlade	1,681	34	47.4	+6.3	82	24	12	5	42	1.42	−1.19	0.40	6.0	7	16	7	7	sw.	Frank Dempsey.
Long Lake‡‡	Oneida	1,592	18	43.0	+4.4	82	23	3	5	54	2.39	+0.06	1.03	4.0	10	24	3	3	nw.	Louie Frank.
Marinette	Marinette	598	7	49.0	......	80	26	26	6	43	1.76	......	0.95	T.	5	16	5	9	ne.	Eagle Printing Co.
Medford §	Taylor	1,420	36	49.3	+6.8	82	23	20	5	41	1.27	−1.15	0.55	3.0	6	14	8	8	e.	William Zeit.
Merrill §§	Lincoln	1,267	18	48.3	+5.6	86	22	5	5	57	1.27	−1.41	0.54	5.0	8	17	2	11	sw.	Otto F. Lueck.
Minocqua	Oneida	1,604	22	45.4	+6.6	84	23	12	5	48	2.96	+0.89	1.80	2.5	7	12	14	4	w.	Benjamin W. Applebee.
Oconto §§	Oconto	590	35	46.7	+3.8	78	24	20	5	44	2.66	+0.11	1.27	T.	8	15	4	11	ne.	W. M. Comstock.
Park Falls §§	Price	1,492	15	46.3	+5.8	84	23	13	5	44	1.41	−1.23	0.45	2.0	7	23	2	5	s.	Flambeau Paper Co.
Plum Island ‡‡	Door	588	18	43.8	+5.0	60	24†	29	6	21	1.55	−0.80	0.90	0.0	4	15	10	5	e.	Keeper Coast Guard Station.
Prentice §	Price	1,551	27	46.8	+5.5	83	23	18	3	50	1.60	−0.62	0.50	4.0	6	10	8	12	s.	Joseph G. Lash.
Rest Lake‡‡	Vilas	1,600	14	45.4	+6.6	85	23	11	5	51	1.29	−0.94	0.60	0.0	4	16	9	5	ne.	Wolcott Johnson.
Rhinelander §§	Oneida	1,550	20	47.0	+5.9	84	23	15	5	46	1.74	−0.69	0.62	5.0	9	14	3	13	sw.	A. J. Gilbertson.
Solon Springs	Douglas	1,083	18	45.0	+5.5	73	24	15	5	43	1.05	−1.18	0.70	0.5	3	12	13	5	n.	John M. Sayles.
Spooner	Washburn	1,104	30	49.2	+6.6	82	23	21	5	40	0.92	−0.98	0.54	0.0	5	16	8	6	ne.	Agricul. Experiment Sta.
Stanley	Chippewa	1,082	22	50.2	+6.8	81	23	23	5	40	2.78	+0.36	0.71	1.0	9	10	17	3	ne.	Fairmount Farm.
Sturgeon Bay	Door	656	27	45.7	+5.8	78	24	20	5	36	2.95	−0.15	1.96	2.0	8	22	2	6	ne.	Agricul. Experiment Sta.
Superior §§	Douglas	701	17	41.3	+4.2	71	9	24	5	38	1.13	−0.97	0.48	2.0	7	13	12	5	ne.	Edward B. Banks.
Tomahawk**	Lincoln	1,450	14	......	......	....	....	....	....	....	1.47	−1.09	0.57	6.5	10	....	....	....	......	Mrs. Esther F. Kopelke.
Weyerhauser	Rusk	1,297	24	49.0^{a}	+6.3	83^{a}	23	19^{a}	5	43^{a}	1.58	−0.81	0.65	0.5	9	14	10	6	ne.	Miss Etta Stiles.
Middle Division																				
Blair	Trempealeau	950	....	50.6	......	86	23	23	1	46	2.12	......	1.45	0.0	7	18	7	5	e.	R. H. Solberg.
Brillion**	Calumet	822	1	......	......	....	....	....	....	....	1.98	......	0.90	0.0	7	13	11	6	e.	C. H. Kuehl.
Coddington	Portage	1,074	4	48.1	......	89	23	18	5	46	2.60	......	1.10	0.0	7	15	10	5	ne.	Agricul. Experiment Sta.
Eau Claire	Eau Claire	800	35	52.6	+6.7	85	23	26	5	44	2.81	+0.40	0.90	T.	6	15	9	6	se.	Robert D. Whitford.
Fond du Lac	Fond du Lac	794	29	50.6	+5.7	85	23	23	5	43	2.32	+0.69	1.03	0.0	7	17	7	6	e.	E. A. Seeley.
Grand River Locks‡‡	Marquette	794	18	51.6	+5.8	88	23	22	5	44	1.90	−0.68	0.65	0.0	7	15	8	7	ne.	H. J. Parkinson.
Green Bay***	Brown	617	40	48.0	+4.8	82	23	23	5	37	1.84	−0.60	0.98	0.6	8	8	13	9	ne.	U. S. Weather Bureau.
Hancock	Waushara	1,086	33	48.1	+3.0	89	23	22	5	37	1.96	−0.69	1.13	0.0	6	20	4	6	w.	A. R. Albert.
Hatfield ‡‡	Jackson	973	29	49.6	+3.8	85	22†	15	1	50	2.57	+0.11	1.58	0.0	6	13	8	9	ne.	Wis. Ry. Light & Power Co.
Hillsboro	Vernon	1,000	35	49.6	+5.3	82	23	20	5	48	1.84	−1.18	0.44	0.0	6	17	10	3	e.	Emil V. Wernick.
La Crosse***	La Crosse	714	54	53.6	+6.4	89	22	29	1	40	1.39	−0.90	0.86	0.0	7	11	9	10	e.	U. S. Weather Bureau.
Manitowoc	Manitowoc	616	74	47.8	+5.6	76	23†	25	5	37	2.15	−0.34	1.15	0.0	7	11	12	7	ne.	Miss Johanna Lups.
Marshfield	Wood	1,283	13	48.9^{b}	+5.7	84^{b}	22	20^{b}	5	42^{b}	1.46	−1.40	0.77	T.	6	16	10	4	se.	Agricul. Experiment Sta.
Mather §§	Juneau	962	22	49.4^{a}	+6.4	85^{a}	23	18^{a}	5	46^{a}	1.92	−0.56	1.14	0.0	5	12	8	10	e.	A. E. Grimshaw.
Mauston**	Juneau	882	24	......	......	....	....	....	....	....	1.34	−1.24	0.48	0.0	7	13	10	7	ne.	Roy E. Holgate.
Meadow Valley	Juneau	974	35	50.0	+5.1	87	22	16	5	51	2.38	−0.02	1.22	0.0	6	9	16	5	ne.	Charles H. Johnson.
Menasha	Winnebago	764	29	50.1	......	80	24	29	7	34	1.95	−0.05	0.71	T.	7	22	4	4	ne.	George T. Allanson.
Mondovi	Buffalo	738	18	49.8	+5.2	84	22	23	1	47	1.55	−0.56	0.55	0.0	6	15	7	8	se.	Samuel Bond.
Neillsville	Clark	1,060	36	50.0	+5.8	85	23	23	5	43	2.51	−0.32	1.47	T.	5	16	9	5	ne.	Carl Stange.
New London §§	Waupaca	780	30	54.4	+9.9	87	23	31	5	33	2.32	−0.37	0.87	0.0	9	16	7	7	ne.	A. L. Haase.
Oshkosh	Winnebago	744	37	50.7	+5.7	84	23	26	5	42	2.19	−0.34	1.02	0.0	9	19	0	11	ne.	State Normal School.
Oshkosh(2)	Winnebago	747	1	49.5	......	84	23	27	1	42	2.18	......	1.07	T.	9	10	10	10	ne.	Buckstaff Observatory.
Pine River	Waushara	900	31	50.7	+5.9	88	23	20	5	41	2.05	−0.53	0.95	T.	6	12	12	6	ne.	Geo. H. Carpenter.
Plymouth	Sheboygan	843	16	48.4	+4.8	83	23	24	5	38	2.40	+0.18	1.18	T.	13	16	9	5	nc.	Paul O. Feldrappe.
Ripon	Fond du Lac	981	15	......	......	....	....	....	....	....	......	......	......	......	....	....	....	....	......	Ripon College.
River Falls§§	Pierce	906	7	49.8	......	83	22	21	12	56	1.32	......	0.41	0.0	7	18	5	7	se.	Prof. C. G. Stratton.
Shawano	Shawano	796	2	47.0	......	83	23	19	5	47	2.37	......	1.16	2.0	6	17	10	3	sw.	Wolf River P. & F. Co.
Sheboygan §§	Sheboygan	678	27	48.2	+5.4	84	23	30	5	41	2.52	+0.17	1.70	0.0	9	19	5	6	ne.	The Sheboygan Press.
Stevens Point	Portage	1,113	32	51.2	+6.4	84	23†	20	5	45	2.03	−0.62	0.87	T.	5	19	6	5	sw.	Postmaster.
Viroqua ††	Vernon	1,274	36	51.2	+5.6	84	22	23	5	40	2.03	−1.06	0.98	0.0	7	14	7	9	n.	R. A. Power.
Waupaca	Waupaca	857	30	50.0	+5.6	86	23†	20	5	47	1.16	−1.50	0.43	T.	6	22	2	6	s.	Waupaca Floral Co.
Wausau***	Marathon	1,247	31	48.4	+4.6	83	23	21	5	42	1.84	−0.69	0.95	3.4	7	10	7	13	s.	U. S. Weather Bureau.
Wisconsin Rapids §	Wood	980	27	47.9	+3.5	86	23	20	5	44	1.82	−0.87	0.90	T.	8	10	7	13	se.	Geo. T. Nixon.
Southern Division																				
Beloit	Rock	750	33	53.3	+5.8	85	23	24	5	45	2.67	−0.06	0.75	0.0	10	14	9	7	ne.	Smith Observatory.
Brodhead	Green	812	28	53.5	+6.0	87	23	23	5†	47	1.93	−0.98	0.66	0.0	5	18	4	8	ne.	Hector D. Kirkpatrick.
Burnett	Dodge	880	22	49.8	+5.7	83	23	23	5	46	3.14	+0.72	1.27	0.0	12	15	7	8	ne.	George W. Smith.
Darlington	Lafayette	867	18	53.4	+7.1	86	23	20	1	49	2.03	−0.36	0.88	0.0	6	16	6	8	n.	J. W. Huntington.
Kilbourn¶	Columbia	900	3	50.2	......	90	22	18	16	48	2.40	......	1.47	0.0	8	11	13	6	ne.	Southern Wis. Power Co.
Lake Mills (near)‡‡	Jefferson	847	35	49.8	+3.9	82	23	20	5	46	2.12	−0.79	0.50	0.0	8	12	11	7	ne.	J. G. Seward.
Lancaster	Grant	1,070	30	55.6	+8.9	87	22	22	5	41	1.57	−1.36	0.45	0.0	9	20	3	7	se.	Frank S. Orton.
Madison***	Dane	974	57	51.5	+6.1	82	23	26	5	34	1.69	−0.69	0.55	0.0	11	9	8	13	se.	U. S. Weather Bureau.
Milwaukee*****	Milwaukee	681	55	49.2	+5.4	84	23	33	5	33	2.69	−0.01	0.97	0.0	10	11	9	10	ne.	U. S. Weather Bureau.
Milwaukee (2)**	Milwaukee	714	....	......	......	....	....	....	....	....	3.36	......	1.06	0.0	11	....	....	....	......	S. S. King.
Portage §	Columbia	809	30	53.4	+6.6	84	23	25	5	40	2.13	−0.62	0.77	T.	10	12	11	7	n.	James H. Martin.
Port Washington	Ozaukee	642	33	47.6	+4.7	85	23	22	6	46	3.42	+0.68	1.45	0.0	11	13	9	8	e.	Carl Fehlandt.
Prairie du Chien §	Crawford	628	35	56.2	+8.0	90	22	25	5	44	2.10	−0.36	0.58	0.0	10	10	9	11	nw.	Jas. A. Gillis.
Prairie du Sac¶	Sauk	750	17	52.4	+4.8	84	23	28	5	36	2.99	+0.86	1.80	0.0	11	17	3	10	ne.	Wis. River Power Co.
Racine	Racine	633	29	50.4	+5.6	85	23	30	1	43	3.63	+1.16	1.97	0.0	8	21	4	5	e.	Daniel Davis.
Richland Center	Richland	747	6	53.6^{b}	......	88^{b}	22	20^{b}	1	49^{b}	2.97	......	1.58	0.0	8	14	11	5	ne.	F. W. Lawrence.
Watertown §	Jefferson	824	35	50.7^{a}	+5.4	83^{b}	24	28	5	36^{b}	3.25	+0.45	1.30	T.	10	16	7	7	e.	Charles J. Salick.
Waukesha	Waukesha	864	30	50.4	+4.7	83	23	25	5†	44	2.66	−0.16	0.72	0.0	10	17	7	6	ne.	Carroll College.
West Bend	Washington	941	8	48.9	......	84	23	22	6	40	4.75	......	1.57	T.	12	10	18	2	se.	Joseph J. Huber.
Williams Bay	Walworth	1,025	22	52.0	+7.4	83	23	27	5	41	4.18	+1.60	1.05	0.0	10	13	5	12	e.	Yerkes Observatory.
For the State	......	......	....	49.0	+5.6	90	22	3	5	57	2.10	−0.41	1.97	0.9	7	15	8	7	ne.	......

Notes explanatory of symbols used in this table are printed on page 16.

Daily Precipitation for April, 1925

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
mery	St. Croix													.25						.48	.18	.03	1.23				.08						2.25
ntigo ‖	Wisconsin											.10			.05	.28				.58		.45		.10	.04								1.60
shland (near)	Lake Superior											.18		T.					.18	.22			.10	.21									0.89
ig St. Germain Dam	Wisconsin										.20								.25	.80			.65	.80		.20							2.90
reakwater Pow.Sta.	Menominee										.44			.04					.25	.46	.03		.20	.10	.08								1.60
rule Island	...do											.05		.03					.10	.44		.01	.02	.19	.68								1.52
hippewa Reservoir	Chippewa															T.			T.	.70			.70	.10	.05								1.55
ornucopia	Lake Superior										.21								.04	.20	T.		.56	.89	.01								1.91
anbury	St. Croix										T.									.65	.10			.80									1.55
eerskin Dam	Wisconsin										.03	.50		.03					.15	.25	.02	T.	.10	.07	.73		.25						2.13
owning	Chippewa																																.....
lorence	Menominee										.20			.06					T.	.40			.15	1.15	.68								2.21
rantsburg	St. Croix																			.67	.10		.08	.59						.11			1.55
igh Falls	Lake Michigan											.13		.11	.05				.15	.95	.33	T.	.14										1.86
on River	Lake Superior											T.		T.					.09	.38			.06	.65									1.18
oepenick	Wisconsin											.02		.10	.20				.20	.40			.20	.30									1.42
ong Lake	...do											.33		.02					.21	.32	.03	.02	.16	.03	1.03		.24						2.39
arinette	Menominee													.19		.15				.95	.39		.08										1.76
edford ‖	Black														.10	.22			.55	*	*	.30		.10									1.27
errill ‖	Wisconsin											.03			.04	.21				.26	.54	.08		.09	.02		T.						1.27
inocqua	...do											.15		.06					.20	.40	T.		.15	.80			.20						2.96
onto ‖	Lake Michigan											.23			.23	.40				1.27	.43	.03		.05		.02							2.66
rk Falls ‖	Chippewa											T.		T.	T.	T.				.18	.45	.04	.40	.10	.12		.12						1.41
um Island	Lake Michigan													.40					.90	.20				.05									1.55
entice ‖	Chippewa											T.			.04	T.	T.			.06	.50			.45	.30		.25						1.60
st Lake	...do												.22	T.	T.						.60		.12		.35		T.						1.29
inelander ‖	Wisconsin									.03		.12			.05					.22	.50	.03		.62	.07		.10						1.74
lon Springs	St. Croix													.05		T.				.70	T.			.30					T.				1.05
ooner	...do											T.		.03					.04	.54			.20	.11									0.92
anley	Chippewa										T.	T.		.07	.22	.04			.71	.55	.29	.23	.27	.40			T.						2.78
urgeon Bay	Lake Michigan											.30		.06	.10	.23			.25	1.96			.04		.01								2.95
perior ‖	Lake Superior													.01	.01					.35	.48	.01	T.	.02	.25								1.13
mahawk ‖	Wisconsin											.04			.07	.08				.12	.57	.17		.24	.03	.12	.03						1.47
yerhauser	Chippewa											.01		.15	.03					.65	.14	.06	.12	.18			.24						1.58
Middle Division																																	
air	Mississippi													.12	.23				1.45	.12	.06	.11	.03										2.12
illion ‖	Lake Michigan															.28				.90	.26	.41		.05	.06	.02							1.98
ddington	Wisconsin													.07	.25				1.10	.90	.02	.24	.02										2.60
u Claire	Chippewa													.05	.30				.53	.55	.48		.90										2.81
nd du Lac	Fox													T.	T.	.24			.61	1.03		.07	.08	T.	.20					.09			2.32
and River Locks	...do															.05			.30	.50		.15	.65	.15	.10								1.90
en Bay***	Lake Michigan										T.			.09	.31	.01			.73	.44	.23	T.	.02		.01		T.				T.		1.84
ncock	Wisconsin													.05	.13				1.13	.15	.40		.10										1.96
tfield	Black									T.				.06	.16				1.58	.18		.25	.34	T.	T.	T.				T.			2.57
lsboro	Wisconsin									T.				T.	.30				.44	.30	.36		.27		.17						T.		1.84
Crosse ***	Mississippi									.02				T	.12				.81	.06	.24		.08	T.		T.			.06	T.			1.39
nitowoc	Lake Michigan													.02	.28	T.			1.15		.40		.05	T.	.12	.13							2.15
rshfield	Wisconsin													.05	.12	T.		.77	.28		.18	.06											1.46
ther ‖	...do															.24				1.14	.13	.21	.20										1.92
uston	...do													T.	.08				.48	.28		.25	.09	.08	.08					T.			1.34
adow Valley	...do														.26	.01		1.22	.18		.26	.45											2.38
nasha	Fox													T.	.11	.06			.43	.71	.24	.32	.08	T.									1.95
ndovi	Mississippi													.05	.20				.55	.35	.20		.20										1.55
llsville	Black									T.				T.	.17	T.			1.47	.29	T.	.18	.40	T.									2.51
v London ‖	Fox												.13	.13	.22	.02			.87	.53	.06	.30	.06										2.32
kosh	...do															.22			.18	1.02	.03	.60	.07		.02	.02	.03						2.19
kosh (2)	...do													T.	.21	.01			1.07	.16	.04	.55	.07		.04		.03						2.18
e River	...do													.08	.11	T.			.95	.44	T.	.46			.01		T.			T.			2.05
mouth	Lake Michigan													.07	.15	.06			.33	1.18	.01	.13	.13	.02	.17	.05	.04			.06	T.		2.40
on	Fox																																.....
er Falls ‖	St. Croix									T.				.15		.20			T.	.40	T.	.41	.05		T.		.05			.06			1.32
wano	Wolf										.03			.15	.45				1.16	.50	.08												2.37
boygan	Lake Michigan														.05	.23				1.70	.05	.13		.13	.07	.14	.02						2.52
ens Point	Wisconsin													.14		.22			.58	.87		.22											2.03
qua	Mississippi														.02				.14	.22		.41	.18	.98						.08			2.03
paca	Fox													.21	.22	.03			.43			.24	.03										1.16
sau ***	Wisconsin										T.			.05	.26	T.			.95	.37	.09		.08			T.	.04						1.84
onsin Rapids ‖	Wisconsin										T.			.04	.28				.90	.36	.06		.10			.02	.06			T.			1.82
uthern Division																																	
oit	Rock									T.				.04		.08				.75	.01	.30	.02		.56	.15				.72	.04		2.67
lhead	...do													T.	T.					.66		.13	T.		.65	.17				.32			1.93
nett	...do													.03	T.	.18			.12	.67		.04	1.27	.36	.31	.11	.02			.03	T.		3.14
ington	...do															.01		.03		.55		.20			.88	.36							2.03
ourn	Wisconsin														.09	.02			1.47	.18	.16		.35	.10	.03					T.			2.40
Mills (near)	...do													.26		.16				.50		.15	.25		.49	.23				.08			2.12
aster	Mississippi									.01				T.	.07	T.			.03	.25	.08	.27			.45	.10				.31			1.57
ison***	Wisconsin													.01	.10			.02	.50	.05	.12	.05	.20	.18	.36	T.				.10	T.		1.69
waukee ***	Lake Michigan													.03	.16	T.			.72	.08		.09	.97		.37	.02				.22	.03		2.69
aukee (2)	...do												.01	.15	.15				T.	.85	T.	.10	1.06	.14	.27	.30				.31	.02		3.36
age ‖	Wisconsin														T.	.18	.02			.58	.14	.11	.09	.77	.18	.04					.03		2.13
Washington	Lake Michigan													.18		.19			T.	1.45	.04	.16	.87	.05	.15	.15				.16	.02		3.42
rie du Chien ‖	Mississippi									.04						.14		.14		.08		.58	.04		.40	.08	.12			.48			2.10
rie du Sac	Wisconsin													T.	.11	.03			.42	.04	.12	.04	1.80	.23	.12	.01	T.			.07			2.99
ne	Lake Michigan													T.	.20					.74		.08	.18		1.97	.10				.33	.03		3.63
land Center	Wisconsin													.01	.13				.17	.20		.48	1.58		.28					.12			2.97
rtown ‖	Rock													.10	.08					.76	.06	.21	.03	1.30	.34	.22				T.	.15		3.25
kesha	Fox													.08		.15				.72		.15	.25	.18	.50	.23				.35	.05		2.66
Bend	Milwaukee													.13	.16	.07			.20	1.57		.17	1.35	.35	.33	.18				.23	.01		4.75
ams Bay	Fox									.01				.02	.15					1.05		.95	.68	.38	.43					.50	.01		4.18

Notes explanatory of symbols used in this table are printed on page 16.

Post-office addresses of stations bearing the symbol (‡‡) in table on preceding page are as follows:—Big St. Germain Dam, Woodruff; Breakwater Power Station, Florence; Brule Island, Florence; Chippewa Reservoir, Winter; Deerskin Dam, Phelps; Grand River Locks, Montello; Hatfield, R.F.D. Merrillan; High Falls, Crivitz; Lake Mills, Jefferson; Long Lake, Eagle River; Plum Island, Detroit Harbor; Rest Lake, Manitowish. ⊕ Record incomplete.

Daily Temperatures for April, 1925

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Antigo	Maximum	62	67	65	57	50	59	70	67	69	65	64	57	65	65	49	55	57	55	34	42	55	75	83	78	70	68	58	58	54	57	....	61.
	Minimum	27	30	35	28	20	28	30	37	37	40	40	32	33	34	28	27	31	34	31	30	34	44	54	59	50	45	35	30	35	33	....	35.
Ashland (near)	Maximum	57	62	44	41	48	66	66	44	73	63	55	55	72	54	51	53	58	48	42	52	60	56	45	77	72	68	56	64	50	46	....	56.
	Minimum	17	26	24	20	13	20	40	27	26	29	29	29	40	32	24	24	22	28	32	23	40	33	38	32	39	42	24	26	34	26	....	28.
Chippewa Reservoir	Maximum	64	66	56	45	54	62	66	66	64	67	64	58	58	51	49	53	57	52	40	45	62	73	83	74	68	64	59	59	58	52	....	59.
	Minimum	18	21	30	22	17	25	29	34	37	34	32	32	36	27	26	20	26	36	32	29	36	46	45	53	39	42	24	26	36	30	....	31.
Downing	Maximum	65	70	65	54	48	58	72	60	74	72	72	70	72	70	60	55	58	52	50	42	42	64	82	74	68	60	60	58	56	58	....	62.
	Minimum	24	26	45	28	24	32	25	40	33	34	42	34	44	50	32	33	28	40	40	36	30	38	60	60	45	42	28	33	36	30	....	36.
Florence	Maximum	66	69	60	44	55	60	70	64	68	65	56	54	62	55	50	55	59	49	40	47	54	78	74	81	72	68	56	56	55	57	....	60.
	Minimum	19	23	30	22	10	20	38	28	25	33	36	28	29	34	21	23	20	22	31	18	34	36	50	51	48	43	18	20	35	32	....	29.
Grantsburg	Maximum	69	71	65	54	62	66	75	72	70	75	74	64	71	57	57	59	60	59	45	45	66	73	84	72	66	67	65	62	59	62	....	64.
	Minimum	30	28	32	20	26	31	32	32	36	36	41	28	41	34	30	28	37	43	37	28	40	51	44	58	40	42	37	40	34	50	....	36.
High Falls	Maximum	68	72	64	48	53	61	74	60	64	66	63	60	60	61	51	59	61	47	33	35	51	76	....	....	84	65	60	56	56	59	....	ᵇ59.
	Minimum	22	28	27	25	15	17	30	33	31	38	38	30	32	28	24	22	20	32	29	32	31	45	....	....	50	41	30	26	35	36	....	ᵇ30.
Long Lake	Maximum	66	69	65	48	54	61	70	62	66	65	61	55	63	62	49	53	57	55	34	45	55	78	82	78	69	65	55	57	56	57	....	60.
	Minimum	12	16	22	20	3	14	23	23	25	27	33	24	28	23	16	13	13	30	30	19	31	34	53	53	39	41	24	18	34	31	....	25.
Medford	Maximum	66	71	66	59	52	61	70	68	65	70	66	60	70	62	50	58	58	55	48	43	60	77	82	77	72	68	65	61	57	60	....	63.
	Minimum	28	30	39	25	20	28	32	36	40	40	44	36	34	34	31	25	33	34	32	30	35	46	61	58	47	42	28	32	35	28	....	35.
Oconto §§	Maximum	62	62	57	43	47	58	74	54	58	56	62	66	54	63	52	59	53	49	41	45	54	67	71	78	76	65	53	56	53	61	....	58
	Minimum	30	33	31	30	20	23	30	33	33	39	40	34	36	35	32	31	29	33	36	33	40	40	46	51	54	35	38	31	40	36	....	35
Park Falls §§	Maximum	68	70	60	50	55	62	70	66	68	66	64	61	68	50	50	56	61	44	37	45	62	76	84	75	67	56	58	58	57	58	....	60
	Minimum	23	26	30	24	13	26	30	35	40	38	29	28	32	31	27	22	23	35	34	28	34	38	54	54	41	39	26	30	36	30	....	31
Rest Lake	Maximum	64	69	72	43	58	59	70	65	63	70	69	52	67	62	57	52	60	56	36	45	60	79	85	77	69	67	54	60	55	53	....	61
	Minimum	20	22	32	21	11	31	35	25	30	19	30	31	32	24	19	14	19	26	30	28	35	42	51	52	37	40	22	30	38	32	....	29
Rhinelander §§	Maximum	65	69	61	50	56	63	69	64	67	66	58	53	66	49	50	55	59	45	39	43	57	79	84	76	70	63	58	60	56	58	....	60
	Minimum	32	23	28	23	15	29	33	33	36	38	37	34	30	31	26	23	21	31	27	29	33	37	51	57	44	36	28	29	35	31	....	33
Solon Springs	Maximum	60	72	57	46	56	63	69	65	70	70	65	59	69	53	50	55	60	48	42	44	66	71	61	73	67	58	62	61	57	56	....	60
	Minimum	26	29	34	20	15	22	30	32	30	35	25	37	35	27	26	19	28	35	30	26	39	38	38	34	37	40	22	30	30	28	....	29
Spooner	Maximum	65	70	65	51	54	63	66	71	68	70	68	67	69	60	48	55	59	57	45	47	64	73	82	73	69	60	60	61	56	56	....	6
	Minimum	29	30	30	25	21	33	35	39	37	36	35	31	32	44	45	27	32	42	34	32	38	53	44	58	45	43	29	39	36	27	....	3
Stanley	Maximum	67	71	68	62	53	63	70	65	65	69	69	65	71	64	53	59	57	50	39	47	63	79	81	73	69	65	61	59	59	60	....	6
	Minimum	28	31	37	27	23	27	35	37	40	41	47	41	37	32	29	28	37	37	32	31	37	50	61	60	58	43	29	35	34	30	....	3
Sturgeon Bay	Maximum	62	64	62	42	44	52	70	49	59	53	55	60	50	62	49	56	52	46	40	47	53	65	69	78	75	65	55	53	49	59	....	5
	Minimum	39	31	31	30	20	26	34	33	33	40	38	31	33	35	31	29	25	32	33	31	45	39	44	49	53	42	36	31	35	38	....	3
Weyerhauser	Maximum	64	70	66	55	55	63	66	....	69	68	68	64	71	58	54	55	59	52	41	46	63	75	83	73	68	63	63	59	59	59	....	ᵃ6
	Minimum	25	27	37	27	19	22	38	....	39	44	44	40	35	32	31	35	34	38	32	30	36	48	51	59	41	41	26	31	39	32	....	ᵃ3
Middle Division																																	
Eau Claire	Maximum	69	73	69	59	56	67	75	68	64	74	73	70	74	62	57	59	56	54	48	45	67	84	85	77	72	64	64	62	58	66	....	
	Minimum	27	29	36	30	26	27	32	42	44	38	50	44	38	38	35	35	43	41	35	33	40	51	64	64	52	46	33	39	42	33	....	
Fond du Lac	Maximum	59	62	62	53	49	61	73	64	62	62	64	69	68	70	55	63	60	58	44	49	58	78	85	79	77	74	63	60	53	59	....	
	Minimum	25	28	31	31	23	29	30	38	41	36	44	37	39	35	32	30	38	36	38	35	39	48	59	61	54	53	38	34	38	40	....	
Green Bay***	Maximum	60	64	62	41	46	59	70	50	57	57	57	63	63	65	52	59	56	50	38	48	56	72	82	75	75	65	59	54	50	55	....	
	Minimum	32	35	35	29	23	30	35	37	38	40	37	37	37	32	34	33	35	35	33	33	38	47	45	59	54	45	38	34	38	38	....	
Hancock	Maximum	60	62	59	58	50	50	55	54	54	65	64	67	67	63	48	56	59	58	44	44	64	75	89	81	72	72	54	51	49	55	....	
	Minimum	23	27	30	29	22	27	31	39	41	35	46	40	36	31	29	30	37	36	34	33	38	48	58	61	50	46	30	35	34	30	....	
Hatfield	Maximum	65	69	68	64	55	66	74	69	58	70	70	69	73	70	54	62	59	56	44	46	67	85	85	81	73	70	62	60	57	60	....	
	Minimum	15	20	30	25	20	25	22	36	39	33	50	37	33	28	25	28	38	36	35	32	37	44	55	62	48	40	27	32	38	27	....	
Hillsboro	Maximum	65	68	68	51	51	62	74	61	56	67	70	74	77	70	54	65	59	48	44	45	67	81	82	75	76	65	62	58	52	59	....	
	Minimum	21	25	28	29	20	22	26	40	38	34	49	38	37	30	26	23	39	37	37	33	39	53	60	60	47	47	32	31	38	31	....	
La Crosse***	Maximum	67	71	69	56	56	66	74	62	54	73	73	75	75	65	57	67	61	52	46	46	72	89	86	72	77	66	62	60	55	61	....	
	Minimum	29	31	38	27	29	33	35	47	42	38	51	49	47	35	31	32	47	41	38	36	42	56	65	62	52	49	38	39	30	37	....	
Manitowoc	Maximum	58	58	56	45	42	42	70	55	50	54	60	66	56	62	51	58	54	46	42	42	52	62	76	76	76	67	57	48	48	54	....	
	Minimum	32	42	35	32	25	29	33	38	36	36	40	36	37	39	32	30	37	32	35	33	33	40	42	44	45	49	39	35	31	39	....	
Marshfield	Maximum	65	70	76	51	52	64	71	62	64	67	66	66	70	62	53	59	58	38	46	62	78	84	77	72	....	....	66	59	55	59	....	
	Minimum	26	34	34	27	20	25	32	35	37	39	48	38	33	31	27	27	34	32	30	35	46	58	57	46	....	....	27	29	35	28	....	
Mondovi	Maximum	68	72	68	52	53	65	73	60	62	74	70	65	72	45	53	60	50	45	41	41	67	84	82	73	72	60	61	55	58	56	....	
	Minimum	23	26	32	29	25	27	26	41	43	33	52	42	41	32	30	34	43	41	37	33	43	55	62	63	50	43	30	36	30	28	....	
New London §§	Maximum	69	72	70	64	55	64	74	70	56	68	69	72	67	68	55	63	63	51	42	49	61	73	87	80	79	77	65	60	52	60	....	
	Minimum	41	46	45	36	31	39	45	41	43	45	50	44	41	42	39	37	42	39	39	40	44	52	54	65	58	53	39	37	43	42	....	
Plymouth	Maximum	61	65	66	44	46	54	72	55	57	59	64	70	61	70	53	61	54	54	41	47	54	74	83	76	76	67	58	53	49	56	....	
	Minimum	31	37	34	31	24	25	37	35	35	42	40	32	34	37	32	28	34	32	35	33	34	44	48	61	56	53	36	31	36	36	....	
Ripon	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
Wausau***	Maximum	65	71	66	52	51	60	70	60	63	67	62	62	68	60	51	58	56	47	36	46	58	75	83	74	71	61	58	56	55	57	....	
	Minimum	28	29	35	26	21	27	32	41	42	39	42	36	34	33	31	28	36	35	32	31	38	48	54	59	52	44	33	33	37	34	....	
Wisconsin Rapids	Maximum	66	72	66	51	50	60	70	61	64	68	60	61	71	65	50	60	54	46	41	45	56	74	86	72	71	66	62	60	55	60	....	
	Minimum	27	28	32	25	20	25	32	38	40	37	40	34	30	31	30	26	34	33	30	30	37	46	54	59	52	34	30	31	37	30	....	
Southern Division																																	
Brodhead	Maximum	65	70	70	57	56	67	77	68	62	71	78	83	73	77	61	68	66	67	59	49	68	84	87	77	78	72	63	60	51	57	....	
	Minimum	25	29	32	34	23	23	30	45	45	38	45	37	42	41	34	28	47	36	41	38	38	52	57	61	50	53	39	34	38	36	....	
Burnett	Maximum	61	62	68	54	50	61	74	71	58	66	68	75	67	71	55	63	61	56	46	47	62	77	83	78	75	66	60	57	52	60	....	
	Minimum	28	28	32	30	23	25	28	35	40	34	39	36	34	34	31	27	36	32	36	33	36	47	55	60	53	50	35	33	36	33	....	
Darlington	Maximum	67	70	68	64	55	66	76	73	62	73	78	80	76	74	68	64	65	63	63	50	70	84	86	81	76	75	67	62	56	67	....	
	Minimum	20	21	27	34	23	22	27	42	46	36	50	38	42	35	28	24	45	37	40	38	38	52	56	59	50	52	38	32	38	33	....	
Kilbourn	Maximum	66	69	67	52	54	64	73	63	60	68	71	75	72	69	56	63	59	56	50	49	67	90	85	74	75	66	63	58	53	60	....	
	Minimum	20	25	28	30	23	21	25	38	41	36	41	40	39	33	19	18	39	35	35	36	40	50	57	59	49	44	34	36	39	33	....	
Lake Mills (near)	Maximum	60	66	66	55	52	61	74	62	60	66	70	78	71	73	58	63	62	58	56	49	65	79	82	75	75	72	59	58	49	55	....	
	Minimum	22	27	32	24	20	35	34	36	39	36	38	32	38	36	29	26	38	33	33	34	35	45	55	56	50	47	36	31	34	32	....	
Madison***	Maximum	59	63	64	46	50	62	71	62	59	66	66	73	69	71	54	64	60	57	43	47	63	80	82	73	75	66	59	56	48	54	....	
	Minimum	32	40	39	30	26	30	37	43	43	46	43	42	41	38	34	38	42	40	39	36	38	52	61	59	54	49	43	39	35	38	....	
Milwaukee***	Maximum	56	60	53	41	44	43	64	52	52	55	67	73	66	61	55	62	55	49	42	44	51	75	84	73	76	68	53	49	45	51	....	
	Minimum	35	44	39	34	33	35	36	41	39	44	42	40	38	37	35	39	40	39	37	36	38	42	55	62	59	53	42	39	38	41	....	
Portage	Maximum	65	70	69	64	53	62	73	71	63	67	72	76	72	73	58	65	63	61	44	48	64	79	84	81	78	76	66	63	56	60	....	
	Minimum	29	30	35	33	25	29	34	40	43	43	48	45	38	40	34	35	40	36	39	36	40	52	60	62	53	53	39	37	41	37	....	
Prairie du Chien	Maximum	70	74	74	69	59	66	76	65	63	75	76	82	77	76	61	70	64	61	57	52	72	90	86	77	80	71	66	62	56	64	....	
	Minimum	32	30	33	36	25	53	33	42	44	37	54	44	46	38	31	30	47	47	43	51	51	58	64	61	50	52	37	36	40	33	....	
Prairie du Sac	Maximum	62	65	66	47	53	62	74	62	60	65	68	74	72	71	55	65	63	54	45	48	66	81	84	75	76	67	61	62	53	57	....	
	Minimum	30	33	35	33	28	32	38	43	44	42	48	42	42	39	34	33	44	42	39	37	41	54	58	60	52	49	43	41	40	37	....	
Richland Center	Maximum	69	72	60	68	....	....	74	69	60	71	74	79	76	74	59	65	62	56	47	46	71	88	87	81	79	72	64	64	53	59	....	
	Minimum	20	25	39	48	....	....	29	26	42	35	51	51	42	34	29	25	44	40	44	35	40	55	58	55	51	48	34	32	38	33	....	
Williams Bay	Maximum	62	66	61	66	48	62	74	62	57	64	72	77	65	73	57	63	63	58	54	50	65	76	83	76	75	68	78	58	48	55	....	
	Minimum	28	35	36	32	27	28	33	40	41	42	42	37	40	45	34	33	41	35	38	35	34	49	62	58	56	55	40	34	37	35	....	

NOTES—Explanatory of Symbols used in Foregoing Tables:

The departures from normal temperature and precipitation are computed only for such stations as have more than ten years of record, but all complete reports are u
determining Section means. Reference letters, ᵃ,ᵇ,ᶜ, etc., appearing in tables indicate number of days missing; for example, ᵇ represents two days, etc. T. P
tation is less than 0.01 inch of rain or melted snow. † Also on other dates. †† Received too late to be included in means and summaries. ☞ Except as oth
indicated, observations are generally made late in the afternoon, near sunset, and data recorded are for the 24 hours ending at the time of observ
*** Regular Weather Bureau station; data recorded for the 24-hour period, midnight to midnight. ‖ Precipitation measured in the morning; amount then re
is for the preceding 24 hours. §§ Precipitation measured and thermometers read in the morning; the maximum temperature then read is charged to the pre
day, on which it almost always occurs. § Precipitation measured in the morning, but thermometers are read in the evening. ‡ Separate dates of falls not rec
* Precipitation included in the next following measurement. **Records precipitation only. ¶ Kilbourn and Prairie du Sac, observations at 12 mid.
‡‡ Post-office addresses of these stations are printed on page 15.

WBO, Milwaukee, 5-16-25—1035

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

JUL 7 1925

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIII Parkersburg, W. Va., May, 1925 No. 5

GENERAL SUMMARY

May was exceptionally cool, especially the second and third decades, when heavy to killing frosts or freezing temperature occurred in practically all the northern and central counties. The month was also characterized by frequent hailstorms and by high wind in localities on the 24th. Following a warm April, which rapidly advanced farm work, germination and growth, the cold periods in the three decades in May caused great damage to crops. Much corn had to be replanted. The cold weather on the 27th killed potato vines, vegetables, and grapes in many localities of the northern counties Low temperature on the 8th, 12th, 19th, and 27th caused much damage to fruit, making apples drop badly. Excepting May in 1917 and 1924, the temperature was the lowest of May State record. The rainfall was considerably below the normal, but was sufficient for growth, except in the extreme eastern counties, where the conditions were droughty.

TEMPERATURE

The monthly mean for the State, determined from 53 stations, was 56.8°. The departure from the normal for 43 stations having ten or more years of record was — 4.8°. The temperature was near the normal or slightly above only on the 10th, 14-16th, 21st-23d, and 28th- 31st, with the highest readings on the 23d. Unusually cool weather prevailed from the 1st to the 9th, 17th to the 20th, and the 24th to the 28th, with the lowest readings occurring generally on the 8th and 27th.

PRECIPITATION

The average rainfall, determined from 85 stations, was 3.35 inches. The departure from the normal for 49 stations having ten or more years of record was —0.84 inch. Most of the rainfall was received on the 1st, 4-6th, 10-11th, 16-17th, 21st-22d, 24-25th, and 29th, the greatest amounts being measured on the 10-11th and 24-25th. Traces of snow fell in a few of the more elevated localities on the 1st, 5th, and 6th.

LIGHT HAIL

Light hail fell in sections of the following counties on the dates given: 1st.—Harrison, Lewis, Ohio and Wood. 2d.—Harrison. 4th.—Lewis, Monongalia, Randolph and Upshur. 6th.—Harrison. 10th and 11th.—Grant. 16th.—Mingo. 18th.—Berkeley. 24th.—Grant, Harrison, Ohio, Randolph, Roane, Summers, Upshur, Webster and Wirt. 25th.—Berkeley, Brooke and Grant.

HEAVY HAIL

On May 4, about 1:30 p. m., a heavy hail storm moved eastward over Parkersburg, being heaviest over the northern portion of the city. The path of the storm was about one-half mile in width and the storm moved about six miles. In north Parkersburg gardens and fruit trees were considerably damaged. The stones were about the size of a small marble. The loss from this storm was not more than $500.00.

On May 24, about 2:15 p. m., a destructive hail storm moved southwestward from near Beverly to Mill Creek, Randolph County, about 12 miles. The path of the storm was from two to three miles in width. Shingles and rubberoid on several roofs were destroyed, windows on the west side of buildings broken, and crops and apples much injured. Many of the stones were an inch in diameter and some were reported as being nearly two inches in diameter. The approximate loss was about $25,000.

HIGH WINDS

About 2 p. m., May 21, a destructive wind storm, attending a severe electric storm, passed in an easterly direction over Barbour, Taylor, and northern Randolph counties into Tucker County. The greatest property loss occurred at Valley Bend and Huffman, Randolph County. At Valley Bend, Antioch church was moved from its foundation, its sides bulged and windows broken. Many trees were also uprooted. At Huffman, about four and one-half miles from Valley Bend, two barns were destroyed, one small house blown from its foundation and torn to pieces, and several small buildings damaged. At Huffman a funnel-shaped cloud was observed. Another observer described the cloud as wedge-shaped, the sharp end forward and downward. At Pierce, about 20 miles northeast of Huffman, the storm demolished a coal tipple, killing three boys who had taken refuge under it. So far as known, the damage caused by this storm was approximately $20,000.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio...	30 00	71	47	61	273.4	62	5,025	6.8	29	sw.	3
Columbus, Ohio...	30.00	75	56	55	279.6	62	7,439	10.0	62	nw.	16
Elkins..............	30.00	77	50	59	258.1	58	4,286	5.8	36	nw.	4
Lexington, Ky.....	30.01	75	60	....	210.9	48	9,251	12.4	50	sw.	16
Parkersburg.......	30.01	70	64	65	247.6	56	3,920	5.3	36	nw.	21
Pittsburgh, Pa.....	29.99	71	56	56	241.8	54	7,196	9.6	56	sw.	16
Wytheville, Va....	29.98	79	53	64	275.0	63	4,377	5.9	24	w.	24

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	57.2	....	....	3.18						
1892	62.2	96	32	5.04	....	....	....	....	....	....
1893	59.5	92	30	4.51	....	....	....	....	....	....
1894	62.1	100	28	4.44	6.41	1.83	....	12	9	10
1895	61.6	105	20	2.60	9.40	2.17	....	16	9	6
1896	68.3	95	33	3.01	6.31	0.79	....	12	11	8
1897	57.6	90	23	4.60	5.92	0.65	....	11	13	7
1898	63.0	94	28	4.51	7.06	2.17	....	13	10	8
1899	64.1	96	35	5.17	6.15	2.76	....	13	10	8
1900	62.5	98	21	2.99	7.68	3.17	....	11	11	9
1901	61.8	96	21	6.15	6.75	0.35	....	14	9	8
1902	65.2	98	25	3.17	8.88	2.50	....	11	10	10
1903	64.3	95	20	3.03	6.09	1.30	....	14	11	6
1904	61.8	98	25	3.55	6.24	0.80	T.	18	9	4
1905	64.2	96	26	4.95	5.80	1.54	T.	12	11	8
1906	62.7	98	22	2.59	7.96	1.90	0	12	10	9
1907	59.0	93	24	3.88	6.89	0.39	T.	15	9	7
1908	63.4	96	28	6.19	6.37	1.38	T.	12	10	9
1909	60.8	93	21	3.82	11.45	2.73	0.1	9	12	10
1910	57.9	96	19	3.92	6.05	1.80	0.1	14	9	8
1911	66.0	100	22	1.46	5.87	1.55	0	11	10	10
1912	63.3	94	31	3.93	6.35	0.03	0	20	8	3
1913	61.6	95	19	5.16	7.50	1.16	0	15	8	8
1914	62.4	100	24	1.96	8.86	1.89	0	14	8	9
1915	61.1	92	29	4.22	3.75	0.55	0	18	8	5
1916	64.0	97	28	3.58	6.85	2.56	0	10	9	12
1917	55.5	95	25	4.88	6.00	0.90	T.	14	9	8
1918	66.7	97	25	4.34	5.45	2.45	T.	11	8	12
1919	61.5	100	30	5.25	10.28	1.85	T.	15	9	7
1920	58.9	95	24	2.76	10.71	2.75	0	12	7	12
1921	61.4	96	24	4.48	6.97	1.08	T.	16	6	9
1922	63.7	94	26	3.67	10.67	2.12	T.	12	7	12
1923	59.7	93	21	2.58	5.83	1.55	0	14	7	10
1924	55.5	93	23	7.20	5.33	0.18	1.3	16	6	9
1925	56.8	100	21	3.35	12.20	3.91	0.1	9	7	15
					6.56	0.70	0.2	13	8	10
Means and extremes	61.6	105	19	4.00	12.20	0.03	0.1	13	9	9

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., May, 1925

See temperature and precipitation data in Climatological Tables, Pages 18, 19, and 20

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation	.060	.070	.196	.120	.108	.137	.119	.177	.145	.190	.068	.090	.111	.121	.038	.241	.231	.213	.180	.190	.185	.265	.235	.200	.251	.100	.111	.165	.214	.231	.178	4.940
	Wind movement	72	74	80	52	86	75	57	60	47	21	37	52	42	28	36	34	70	110	51	36	34	58	46	113	107	83	44	31	35	61	31	1,763

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for May, 1925

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,700	24	53.4	− 3.3	87	23	26	27	48	6.56	+2.34	1.19	T.	11	16	3	12	w.	U. G. Clark
Brandywine††	Pendleton	....	9	55 2	....	89	23	28	27	43	1.40	....	0.45	0	6	22	2	7	sw.	Elmer Keister
Burlington	Mineral	875	31	54.2	− 6.8	98	23	30	14	51	3.15	−0.54	1.50	0	5	15	10	6	e.	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	36	....	....	....	....	....	....	....	2.32	−1.55	1.09	0	9	....	....	....	....	J. C. Newcomer
Martinsburg	Berkeley	435	33	60.1^{a}	− 2.8	100^{a}	23	33	6	42^{a}	2.15	−1.85	0.80	0	9	20	5	6	sw.	Dr. H. S. Gardner
Moorefield	Hardy	900	29	59.0	− 4.2	97	23	26	27	50	1.10	−2.45	0.62	0	5	27^{a}	2^{a}	1^{a}	....	M. S. Henkel
Piedmont	Mineral	919	12	56.2	− 1.9	89	23	32	6†	39	2.35	....	0.79	0	8	11	12	8	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	27	60.2^{i}	− 2.5	94^{i}	22†	32^{h}	27	49^{i}	....	....	....	0	....	9^{h}	4^{h}	10^{h}	....	Richard A. Bergdoll
Stony River Dam	Grant	3,300	5	....	....	....	....	....	....	....	2.59	....	0.57	2.5	11	7	8	16	w.	A. C. Becker
Upper Tract	Pendleton	1,230	26	54.4^{e}	− 6.3	84^{e}	23	28^{e}	27	45^{e}	0.70	−2.48	0.50	0	3	17^{f}	0^{f}	8^{f}	....	J. M. Mallow
Wardensville	Hardy	1,200	7	58.2^{a}	....	92^{a}	23	29	6†	45^{a}	1.75	....	0.65	0.5	8	13	12	6	w.	Luther F. Sutton
Averages and	**extremes**	....	....	57.0	− 4.0	100	23	26	27	51	2.52	−1.09	1.50	0.3	8	15	7	9	w.	
Northern Division																				
Aberdeen	Upshur	1,060	1	....	....	....	....	....	....	....	3.91	....	1.61	0	13	6	19	6	nw.	L. Else Bond
Bens Run	Pleasants	622	23	57.6	− 5.6	85	16†	32	16	53	3 39	−1.14	1.25	0	8	15	10	6	....	J. D. Riggs
Benson	Harrison	1,080	2	56.8	....	91	23†	29	8	46	4.29	....	1.85	T	11	14	12	5	....	R. D. Marts
Brownsville	Lewis	1,032	2	58.2	....	92	23	27	8	48	4.10	....	1.80	T.	12	11	14	6	....	S. L. Montgomery
Bruceton Mills	Preston	1,549	5	....	....	....	....	....	....	....	4.71	+0.30	1.35	T.	12	4	17	10	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	28	56.2	− 5.4	87	23	32	8†	34	3.86	−0.74	1.35	0	9	19	5	7	....	H. A. Darnall
Cheat Bridge	Randolph	3,558	7	47.9^{a}	....	78^{a}	16	21	27	44^{a}	3.84	....	1.35	3.5	10	19	6	6	....	H. F. Cromer
Clarksburg	Harrison	1,015	3	57.1^{a}	....	89^{a}	23	31	8	44^{a}	4.12	....	1.72	0	11	9	9	13	w.	Clarksburg Water Board
Cortland	Tucker	3,300	14	....	....	....	....	....	....	....	4.75	+0.26	2.00	0	7	5	20	6	....	G. W. Harmon
Crawford	Lewis	1,087	2	....	....	....	....	....	....	....	3.52	....	1.57	T.	10	16	9	6	....	George W. Blair
Creston	Wirt	701	23	58.4	− 4.9	91	23	31	8	48	4.13	+0.22	1.50	0	12	12	5	14	w.	J. M. Reed
Dam 10 Mon. R.	Marion	786	4	....	....	....	....	....	....	....	4.11	....	1.65	0	13	....	....	....	....	Lockmaster
Dam 12 O. R.	Ohio	614	9	....	....	....	....	....	....	....	3.19	....	1.42	0	12	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	605	9	....	....	....	....	....	....	....	2.51	....	1.36	0	10	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	839	4	....	....	....	....	....	....	....	3.65	....	1.52	0	14	....	....	....	....	Lockmaster
Davis	Tucker	3,093	16	....	....	....	....	....	....	....	3.53	−0.62	0.80	2.0	10	6	12	13	w.	Ross C. Male
Elkins	Randolph	1,947	24	54.5	− 4.7	86	23	30	27	42	2.60	−1.38	0.93	T.	11	8	11	12	nw.	U. S. Weather Bureau
Evenwood	Randolph	....	0	....	....	....	....	....	....	....	3.55	....	1.05	T.	7	13	8	10	....	Claude A. Cunningham
Fairmont	Marion	883	19	58.2	− 3.9	92	23	34	27	43	3.71	−0.25	1.60	T.	12	19	3	9	w.	Creed E. Bolyard
Glenville	Gilmer	738	31	62.9	− 0.6	92	23	30	8	51	4.15	−0.06	1.56	0	12	16	9	6	w.	Howard R. Brannon
Grafton (near)	Taylor	1,000	32	54.9^{a}	− 7.1	92^{a}	23	24	8	51^{a}	3.94	−0.34	1.57	0	8	13	8	10	w.	Curtis Boice
Horner	Lewis	1,044	2	....	....	....	....	....	....	....	4.39	....	1.43	0	12	21	5	5	....	Thomas E. Miles
Horton	Randolph	2,775	0	....	....	....	....	....	....	....	2.84	....	0.71	T.	9	9	11	11	sw.	J. W. White
Janelew (near)	Lewis	1,020	2	57.9	....	88	16†	30	8†	48	3.85	....	1.60	T.	7	17	9	5	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	27	54.6	− 6.1	87	23	28	27	44	4.67	+0.38	1.45	0	10	17	3	11	w.	Allen Smith
Mannington	Marion	974	22	56.0	− 4.7	89	23	30	8	43	3.74	−0.31	1.62	0	11	13	5	13	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	32	57.2	− 5.2	89	23	30	27	44	3.80	+0.18	1.80	0	9	6^{a}	12^{a}	12^{a}	....	Prof. E. L. Andrews
Moundsville	Marshall	642	22	57.4^{a}	− 5.2	92^{a}	22	32^{a}	24	45^{b}	2.53	−0.77	1.41	0	8	14	7	10	sw.	Fred N. Wilson
New Cumberland	Hancock	987	27	54.6	− 5.9	97	23	31	6†	48	3.19	−0.11	0.90	0	10	11	4	16	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	31	56.2	− 7.1	92	23	28	8	46	2.83	−0.91	1.00	0	9	17	3	11	s.	Wm. Ankrom
Parkersburg	Wood	638	38	58.8	− 5.0	92	23	36	27	39	2.70	−0.76	0.95	T.	12	12	8	11	sw.	U. S. Weather Bureau
Parsons	Tucker	1,656	25	56.8	− 2.1	92	22	27	8	47	1.95	−1.48	....	T.	....	14	8	9	....	J. W. Swisher
Philippi^{a}	Barbour	1,149	28	57.6	− 4.0	88	22	32	6	43	3.45	−0.83	1.13	0	9	13	4	13	w.	Prof. W. B. Pimm
Pickens	Randolph	2,697	22	53.0	− 5.9	85	23	27	27	43	4.22	−1.11	1.38	3.0	10	18	5	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	2	....	....	....	....	....	....	....	4.06	....	1.80	0	10	8	19	4	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	38	....	....	....	....	....	....	....	4.68	+0.32	1.00	0	13	....	....	....	....	J. F. Pierce
Saint Marys	Pleasants	577	16	....	....	....	....	....	....	....	3.31	−0.55	1.00	0	10	....	....	....	sw.	Wm. Hughes
Smithfield	Wetzel	835	19	55.8	− 5.0	84	23†	29	8	48	4.14	−0.04	1.49	0	12	22	1	8	sw.	G. M. Whisler
Terra Alta	Preston	2,612	24	50.2	− 8.0	79	23	27	27	40	3.93	−1.06	1.11	3.1	14	4	13	14	sw.	J. J. Shanahan
Valley Chapel	Lewis	1,011	2	59.7	....	93	23	30	8	46	4.35	....	1.80	0	9	18	8	5	nw.	J. C. Campbell
Vandalia	Lewis	1,120	2	....	....	....	....	....	....	....	4.19	....	1.53	0	5	....	....	....	....	Miss Phyllis West
Wellsburg	Brooke	1,225	24	55.8	− 4.6	91	23	30	8†	48	4.16	+0.68	1.07	0	14	14	10	7	w.	George P. Pfister
Wheeling	Ohio	645	38	56.0^{a}	− 6.5	94^{a}	23	22	2	47^{a}	3.21	−0.25	1.29	0	11	9	11	11	sw.	Miss M. B. Forsyth
Wymer	Randolph	....	....	....	....	....	....	....	....	....	2.47	....	0.80	2.0	8	11	0	20	e.	T. R. Ratzer
Averages and	**extremes**	....	....	56.3	− 5.1	97	23	21	27	53	3.69	−0.40	2.00	0.3	10	13	9	9	w.	
Southern Division																				
Arbovale	Pocahontas	2,737	....	....	....	....	....	....	....	....	2.83	....	0.87	T.	11	11	8	12	w.	H. S. Sutton
Bancroft	Putnam	574	21	58.3	− 4.8	89	23	35	8	38	3.19	−0 95	0.63	0	10	24	0	7	ne.	R. E. Dent
Beckley	Raleigh	2,440	25	57.0	− 2.7	84	23	32	25	36	1.53	−1.89	0.68	0	4	15	11	5	w.	K. E. Williams
Bluefield	Mercer	2,558	30	56.4^{f}	− 5.4	82^{f}	22	30^{f}	27	40^{f}	1.02	−2.62	0.46	0	9	16^{e}	0^{e}	10^{e}	....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	10	....	....	....	....	....	....	....	2.60	....	1.60	0	2	3	0	28	s.	Miss Katie Jarvis
Charleston	Kanawha	597	22	60.4	− 5.5	92	23	35	8	49	3.85	−0.22	1.74	0	11	17	0	14	....	R. O. Fields
Clay	Clay	706	9	....	....	....	....	....	....	....	4.03	....	0.86	0	11	....	....	....	....	Ted Thomas
Dam 6 G. K.	Kanawha	....	....	....	....	....	....	....	....	....	2.50	....	0.71	0	9	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	557	9	....	....	....	....	....	....	....	2.61	....	0.92	0	10	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	551	9	....	....	....	....	....	....	....	3.50	....	1.26	0	12	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	505	9	....	....	....	....	....	....	....	4.77	....	2.20	0	12	....	....	....	....	U. S. Engineer Office
Gary	McDowell	1,426	9	60.2	....	94	20	31	8	53	1.85	....	0.35	0	12	....	....	....	....	U. S. Coal & Coke Co.
Green Sulphur Springs	Summers	1,600	28	60.8	− 0.4	88	23†	30	27	42	2.81	−0.85	0.93	0	9	14	4	13	w.	W. H. Gwinn
Huntington	Cabell	538	31	58.9	− 3.6	89	23	37	8	35	4.58	+0.57	2.34	0	13	10	11	10	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	6	....	....	....	....	....	....	....	3.62	....	1.00	0	8	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	9	....	....	....	....	....	....	....	3.81	....	0.99	T.	12	....	....	....	....	Cabin Creek Con. Coal C
Lewisburg	Greenbrier	2,200	25	56.0	− 4.3	85	23	28	27	38	2.04	−1.60	0.54	0	9	14	8	9	nw.	Geo. T. Argabate
Logan	Logan	700	22	....	....	....	....	....	....	....	3.15	−1.01	0.98	0	10	....	....	....	....	J. R. Wampler
Marlinton	Pocahontas	2,131	26	52.4	− 5.0	84	23	24	8	38	2.05	−1.96	0.54	0	9	6	22	3	sw.	S. L. Brown
Point Pleasant	Mason	553	32	60.7	− 4.4	93	30	33	8	52	4.07	+0.12	1.80	0	12	23	0	8	ne.	Miss Grace E. Henson
Powellton	Fayette	933	28	....	....	....	....	....	....	....	2.44	−1.66	1.10	0	7	....	....	....	....	Elkhorn-Piney Coal Co.
Ravenswood (Dam 22)	Jackson	538	10	57.4	....	90	23	29	6	49	3.16	....	1.40	0	11	14	0	17	ne.	Lockmaster
Robertsburg	Putnam	574	25	57.5	− 6.1	88	22†	31	8	41	3.31	−0.29	1.27	0	12	16	0	15	....	M. Frazier
Ryan	Roane	700	22	56 6	− 5.3	89	23†	28	8	44	3.23	−0.47	1.28	0	13	12	7	12	....	Wm. E. Ryan
Sharples	Logan	....	5	....	....	....	....	....	....	....	3.16	....	0 70	0	9	....	....	....	....	E. H. Locke
Sissonville	Kanawha	625	....	....	....	....	....	....	....	....	3.35	....	1.17	0	6	....	....	....	....	J. N. Johnson
Spencer	Roane	784	21	58 3	− 3.7	91	23	32	8	41	4.25	+0.55	1 35	0	10	4	15	12	....	A. M. McKown
Summersville	Nicholas	1,894	1	55.7	....	84	23	29	8†	38	3.30	....	0.90	T.	9	16	4	11	....	J. O. McMillion
Sutton	Braxton	839	19	55.4	− 8.7	88	23†	28	8	47	4.29	−0.20	1.45	0	8	23	0	8	....	C. B. Eakle
Union^{e}	Monroe	2,250	21	56.6	− 4.1	89	22†	27	8†	48	1.45	−1.31	0.38	T.	9	5	12	9	....	W. M. H. Young
Wayne	Wayne	598	....	....	....	....	....	....	....	....	3.80	....	1.37	0	8	....	....	....	....	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,940	15	58.4^{a}	− 2.0	93^{a}	22	27	7	46^{a}	2.20	−1.67	0.75	0	11	23	0	8	....	E. J. Comar
Williamson	Mingo	660	25	57.8	− 7.1	87	22	37	8	40	3.50	−0.31	0.98	0	10	19	4	8	w.	J. F. Keyser
Averages and	**extremes**			57.6	− 4.7	94	20	24	8	53	3.11	−0.83	2.34	T.	10	14	6	11	w.	
State averages and	**extremes**			56.8	− 4.8	100	23	21	27	53	3.35	−0.84	2.34	0.2	10	13	8	10	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for May, 1925

Stations	Drainage basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac	.23	1.19	T.		1.07	.63	T.			.19	1.10	.73		.05			.07					.17			1.13				T.			6.56
Brandywine	do				.05	T.	.25				T.	.45			.45			.05							.15								1.40
Burlington	do	.60	T.	T.	T.		T.	.30		.35	.40	1.50						T.															3.15
Harpers Ferry ‖	do	.09				.29		.08			.17	.01	.47					.04					.08			1.09							2.32
Martinsburg ‖	do	.12			.02	.24		.08			.10	.40	.37													.80					.02		2.15
Moorefield	do				.04		.05				.18	.62													.21								1.10
Piedmont	do	.30	.01		.14		.09				.48	.47											.07		.79								2.35
Stony River Dam‖	do		.35		.03	.25	.20				.14	.35	.57					.11					.08			.46					.05		2.59
Upper Tract	do	.10				T.							.50												.10								0.70
Wardensville‖	do	.16	.04		T.	.11	.04	T.			.15	.45						T.					T.			.65	T.				.15		1.75
Northern Division																																	
Aberdeen	Monongahela	.44	.01		.18	.01	.28				.25	1.61	.01					.19					.03		.79	.07					.04		3.91
Bens Run	Ohio	.30			.14		.28				.31	1.25						.49				.18			.44								3.39
Benson	Monongahela	.35	.02	T.	.09	.06	.44				.36	1.85						.20					.01		.84	.07							4.29
Brownsville	do	.38	.03		.22	.03	.21			.03	.23	1.80						.17					.01		.90	.09				T.			4.10
Bruceton Mills	do	.70		.05	.34	.02	.08	.06			.50	1.35						.18				.66			.70	.07				T.			4.71
Buckhannon	do	.40			.20	.15	.15				.36	1.35						.25					.10		.90					T.			3.86
Cheat Bridge ‖	Monongahela	.30			.29	.41	.10			.03		.29	.81			1.35		.22	T.			.04				T.							3.84
Clarksburg ‖	do	.14	.12		.03	.13	.31	.01			.30	1.72	.40					.26								.76							4.12
Cortland ‖	do					.65			.05	.65	2.00	.70					.20								.50								4.75
Crawford	do	.37			.41	.05	.13			.04	.12	1.35						.40							.57	.08							3.52
Creston ‖	Little Kanawha	.20	.10		.05	.09	.22			.05	.22	1.10	.40					.25					.15			1.30							4.13
Dam 10, Mon. R.‖	Monongahela	.20	.32		.07	.28	.06	.07			.14	1.65	.26					.20					.04			.77					.05		4.11
Dam 12, O. R.‖	Ohio	.12	.10		.02	.01	.01	.13				1.42						.58					.04		.36	.39	.01						3.19
Dam 13, O. R.‖	do	.09	.10		.09		.02	.04			.02	1.36						.57					.04		.18								2.51
Dam 15, Mon. R.‖	Monongahela	.16	.14		.06	.14	.11	.04			.12	1.52	.32			.08		.16					.05			.67					.08		3.65
Davis ‖	do	.33	.37		T.	T.	.16				.42	.65	.80		T.	.04		.16					.03			.57							3.53
Elkins ***	do	.28		T.	.37	.04	.11			T.	.21	.78			T.		.07	.21				.04			.47	.02							2.60
Evenwood‖	do	.40			.41						.22	.69			1.05		.10								.68								3.55
Fairmont ‖	do	.36	.15		.05	.11	.16	.01			.15	1.60	.19			T.		.22	T.				.03		T.	.68							3.71
Glenville ‖	Little Kanawha	.25	.22		.06	.33	.09			.04	.22	.94	.62					.24					.04			1.10							4.15
Grafton (near) ‖	Monongahela	.40	.22		.33	.32					.29	1.57						.13							.68								3.94
Horner	do	.45	.05		.24	.09	.16			.06	.42	1.43	.05									.26			1.10	.08							4.39
Horton	Monongahela	.26			.31	.11	.10				.31	.71			.44			.28							.32	T.							2.84
Janelew(near)	do	.45			.20		.25				.25	1.60						.20							.90								3.85
Lost Creek	do	.34		T.	.10	.05	.38				.86	1.45						.19					.02		1.08					.20			4.67
Mannington	do	.31	T.	T.	.32	.04	.21	.04			.20	1.62			T.			.31					.03		.65	.01				T.			3.74
Morgantown	do	.29		.03	.38		.08	.13			.30	1.80						.03							.76								3.80
Moundsville‖	Ohio	.19		.07	.02		.02	.03			T	1.41				.53									.26								2.53
New Cumberland‖	do	.20	.10		.10	.14	.05				.04	.84						.42					T.		.90	.40							3.19
New Martinsville	do	.25			.30	.05	.20				.40	1.00						.20							.33	.10							2.83
Parkersburg ***	do	.12		.10	.29	.01	.26			T.	.66	.66					.23	T.				.05	.01	T.	.30	.01				T.			2.70
Parsons	Monongahela				*	*	T.			*	*	*	*	1.15											*	*	.80						1.95
Philippi	do	.49			.13	.05	.25				.52	1.13					.20							.60	.08								3.45
Pickens	do	.60	.05		.52	T.	.17			.05	.16	1.38						.54				T.			.67	.08							4.22
Roanoke	do	.29		T.	.30	.25	.20					1.80	.03					.25					.01		.90	.03							4.06
Rowlesburg ‖	do	.40	.46		.05	.36	.22	.11			.30	1.00	.61					.27					.02			.84					.04		4.68
aint Marys ‖	Ohio	.12	.12		.15	.08	.37				.32	1.00						.39					.36			.40							3.31
mithfield‖	Fishing Creek	.61	.13		.13	.12	.23				.25	1.37	.12					.37					.13		.01	.67							4.14
erra Alta	Monongahela	.64	.03		.31	.12	.23	.01			.58	1.11	.01		.03			.09					.05		.69	.03				T.			3.93
alley Chapel	do	.46			.14	.07	.51				.20	1.80						.18					.02		.97								4.35
andalia	do	.60									.73	1.53						.28							1.05								4.19
Wellsburg	Ohio	.15		T.	.16	.18	.23	.10		.08	.25	.84					.20	.60				.10	.10		1.07	.10							4.16
Weston	Monongahela																																....
heeling ‖	Ohio	.11	.40		.02	T.	.05	.06				1.29						.48					.06		.46	.26	.02			T.	T.		3.21
ymer	Monongahela	.24			.40		.07				.07	.80			.42						.03				.44								2.47
Southern Division																																	
bovale	Great Kanawha	.07			.36	.03	.10			.14	.87	.25	.04		.52			.26							.19	T.							2.83
ncroft ‖	do	.43	.12		.05	.16	.10				.15	.63	.58					.44								.53							3.19
ckley	do				.68					.41		.02													.42								1.53
uefield	do	.02	.04		.10	.04				.46		.02	.05	.05												.24							1.02
mden-on-Gauley‖	do				1.00																				1.60								2.60
arleston ‖	do	.46	.16		.20	.32	.05			.18	.14	.72	1.02					.22								.38							3.85
ay ‖	do	.24	.29		.14	.17	.09			.08	.07	.84	.86					.68								.57							4.03
m 6 G. K. ‖	do	.44	.18	.25		.17	.05			.10		.71						.18								.42							2.50
m 19 O. R. ‖	Ohio	.12	.12		.12	.02	.23				.40	.92	.02					.32					T.		T.	.34				T.			2.61
m 20 O. R. ‖	do	.05	.06		.13		.33			.03	.39	1.26					.02	.38					.05			.54					.26		3.50
m 26 O. R. ‖	do	.30	.10		.10	.06	.08				.25	2.20	.30					.30					.13			.90					.05		4.77
ry ‖	Big Sandy	.10	.11		.05	.21				.30	.35	.02	.18		.01			.30								.20			.02				1.85
een Sulphur Spgs.	do	.42			.55	.38				.26	.35	.18	.21	T.			.14								.32								2.81
ntington ‖	Ohio	.16	.10		.16	.36	.10			.20	.04	1.82	.52					.54					.06			.46					.06		4.58
nawha Falls‖	Great Kanawha	.80	.20		.12						.10	.25	1.00					.60								.55							3.62
yford‖	do	.40	.21		.15	.59	.03			.17	.18	.31	.99					.29					.05			.44							3.81
visburg	do	.11			.20	.03				.33	.02	.31	.38		T.			.12							.54								2.04
gan ‖	Guyandotte	.30	.16		.17	.46				.18	.13	.33	.65					.32								.45							3.15
rlinton	Great Kanawha	.11			.31		.14			.48	.06	.38	.12					.22							.23								2.05
nt Pleasant ‖	Ohio	.32	.10		.12					.42	.25	1.40	.40					.28					.02		.02	.40				T.	.34		4.07
vellton	Great Kanawha	.70			.10	.10					.03	1.10											.01		.40								2.44
enswood (Dam 22	Ohio	.20	.10		.06		.23				.25	1.40	.15					.20					.04			.40					.13		3.16
ertsburg ‖	Great Kanawha	.30	.06		.11	.17	.12			.04	.13	1.27	.33					.37								.40					.01		3.31
n	do	.32		.10	.27	.05	.16			.15	.12	1.28					.01	.33				.02			.41					.01			3.23
rples‖	Coal River	.28	.13			.62	.02				.30	.26	.70					.42								.43							3.16
onville‖	Great Kanawha		.47				.29					1.17	.51					.55								.36							3.35
eer ‖	do	.32	.03		T.	.25	.11			.10	.12	1.28	.48					.21								1.35							4.25
mersville	Gauley	.24	.15		.47		.10			.40	.26	.90						.50							.28	T.							3.30
on	Great Kanawha	.60			.28	.37	.12				.32	1.45						.40							.75								4.29
n	do	.04			.25	.17	.02			.38		.20	.24		.05											.10							1.45
ne ‖	Big Sandy	.15	.15		.20					.36		1.37	.57					.55								.45							3.80
te Sulpr. Spgs ‖	Great Kanawha	.06		.02	.28	.02			.15	.12	.12	.52			.06		.10								.75								2.20
iamson ‖	Big Sandy	.15	.27		.08	.22	T.			.40	.18	.38	.60					.88								.34							3.50

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for May, 1925

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	45	53	59	60	57	50	54	59	70	73	61	65	72	70	73	81	78	68	72	78	77	81	87	84	55	48	67	74	72	73	80	67.
	Minimum	33	34	31	39	38	29	36	29	32	41	51	36	32	38	33	33	60	40	29	30	38	51	60	54	30	36	26	58	58	41	37	39.
Brandywine	Maximum	50	55	60	60	53	55	58	56	60	70	67	68	75	65	74	76	80	65	72	75	80	82	89	85	64	60	70	68	75	80	83	68.
	Minimum	33	37	35	44	39	32	34	30	34	36	55	49	40	45	39	44	46	45	40	38	37	50	58	55	40	42	28	44	45	49	54	41.
Burlington	Maximum	56	49	50	59	59	58	71	71	69	65	60	60	58	60	55	41	50	54	65	70	81	85	98	91	86	68	70	70	85	90	89	67.
	Minimum	36	32	34	39	40	31	31	34	35	32	40	38	35	30	31	32	33	39	40	55	61	65	61	65	35	40	45	51	44	45	40	40.
Martinsburg§	Maximum	59	61	70	62	62	63	66	71	75	69	70	70	73	75	78	85	81	70	80	83	88	81	100	90	59	66	73	79	80	84	....	74.
	Minimum	38	44	39	47	42	33	37	34	42	49	55	50	39	43	48	49	61	46	40	41	50	56	61	65	40	43	37	46	51	51	53	46.
Moorfield	Maximum	55	67	70	67	58	68	65	70	76	75	70	76	76	76	77	89	86	73	78	84	87	88	97	93	74	61	73	81	84	86	87	76.
	Minimum	34	38	35	44	42	29	37	29	35	48	52	43	41	39	39	42	62	43	33	34	42	51	60	58	36	40	26	44	49	45	41	41.
Piedmont	Maximum	51	57	63	63	53	54	57	62	68	67	60	65	72	70	72	84	75	73	74	78	80	82	89	84	53	58	68	75	77	75	81	69.
	Minimum	38	40	38	43	41	32	40	32	41	48	46	40	39	43	42	45	55	58	37	39	48	49	60	50	37	42	34	47	51	47	46	43.
Romney	Maximum	55	68	64	....	....	....	....	....	73	....	....	70	74	....	87	88	64	69	78	85	84	94	94	81	57	62	72	80	82	88	....	75.
	Minimum	34	40	38	44	....	....	....	....	..	49	....	....	38	41	....	44	60	45	35	36	47	54	58	60	37	39	32	48	52	48	46	44.
Upper Tract	Maximum	64	63	62	62	63	63	63	63	64	64	65	65	....	....	....	....	65	65	72	74	76	83	84	83	83	78	73	77	75	76	....	70.
	Minimum	31	34	37	37	36	35	33	30	30	32	34	35	....	....	....	....	38	39	35	37	44	45	48	55	55	40	28	44	44	46	....	38.
Wardensville§	Maximum	61	64	65	67	54	59	61	70	70	71	71	73	72	74	75	84	80	73	76	80	83	83	92	85	55	61	71	77	88	90	....	72.
	Minimum	33	30	31	35	41	29	36	29	37	42	56	56	51	49	48	62	64	46	32	35	44	51	53	56	37	41	29	44	50	52	54	43.
Northern Division																																	
Bens Run	Maximum	56	61	66	67	54	58	60	65	70	69	66	68	65	75	77	85	79	72	72	76	80	79	85	80	54	58	69	77	75	81	85	70.
	Minimum	41	40	40	49	43	40	35	40	45	45	53	40	41	51	45	32	59	40	41	45	51	56	55	44	35	44	37	48	51	52	50	44.
Buckhannon	Maximum	50	54	64	60	60	57	56	64	66	77	64	62	73	60	70	82	70	63	69	71	78	81	87	83	57	54	65	74	73	75	78	67.
	Minimum	39	44	37	50	42	38	38	32	44	52	53	42	40	42	43	44	59	45	36	39	50	56	65	57	35	43	32	48	53	47	48	44.
Clarksburg	Maximum	52	59	66	66	52	57	59	68	72	78	60	69	81	69	78	86	69	66	74	80	82	85	89	83	53	57	71	79	77	82	....	70.
	Minimum	39	41	35	50	39	36	36	31	40	50	57	43	38	47	43	42	53	46	35	39	48	55	63	45	36	41	33	45	49	49	47	43.
Creston	Maximum	56	61	65	67	60	60	61	67	69	75	66	74	79	73	75	86	81	69	78	79	84	87	91	86	54	63	79	81	78	87	86	73.
	Minimum	41	42	35	47	34	37	36	31	43	54	53	39	39	47	43	44	60	41	37	38	48	54	63	50	35	33	34	33	50	50	47	43.
Elkins	Maximum	47	55	61	62	47	53	54	61	66	76	64	68	77	69	71	83	68	65	70	76	77	82	86	78	45	52	68	74	73	73	79	67.
	Minimum	36	40	35	44	39	35	37	31	38	50	50	43	39	47	40	41	48	42	34	36	47	54	68	38	32	35	30	45	51	48	45	41.
Fairmont§	Maximum	53	62	65	63	52	56	61	67	74	77	58	72	81	69	78	84	72	70	79	82	84	87	92	77	54	60	74	81	80	83	87	72.
	Minimum	39	38	40	49	41	37	38	35	41	51	58	37	40	46	44	45	45	45	36	42	50	55	58	63	35	40	34	43	50	52	49	44.
Glenville	Maximum	52	65	76	65	73	61	73	75	85	91	84	71	81	81	80	90	85	80	79	78	83	90	92	90	65	60	75	81	79	86	86	77.
	Minimum	40	42	34	46	44	40	36	30	34	43	50	44	70	60	73	74	52	45	52	45	56	60	65	58	38	39	32	42	46	49	48	48.
Grafton (near)	Maximum	53	60	65	66	52	57	60	67	72	80	72	70	80	68	75	86	72	69	75	81	83	86	92	80	54	59	70	79	80	80	....	71.
	Minimum	34	35	29	43	33	29	32	24	34	42	54	30	31	45	35	35	59	40	27	32	40	50	54	56	38	37	28	38	43	44	40	38.
Lost Creek	Maximum	48	56	61	61	56	54	67	63	66	74	64	67	75	71	72	82	77	63	71	75	79	82	87	84	51	54	66	73	74	76	78	68
	Minimum	38	39	31	48	38	34	33	29	37	50	50	36	35	49	39	38	58	43	31	34	38	51	58	46	33	40	28	42	45	45	42	40
Mannington	Maximum	55	58	62	65	58	56	57	63	69	76	68	69	76	73	72	83	80	65	72	77	81	83	89	85	53	56	67	76	77	78	81	70
	Minimum	39	36	33	46	38	32	36	30	41	48	52	35	35	50	40	40	56	42	33	37	44	53	61	45	36	41	31	43	48	46	45	41
Morgantown	Maximum	51	58	62	61	57	54	55	64	70	75	63	62	78	70	73	82	79	65	76	77	81	83	89	86	54	64	68	77	77	76	82	70
	Minimum	38	35	43	47	40	37	38	38	48	52	50	37	40	50	40	49	53	42	32	44	52	51	70	43	33	40	30	47	56	48	50	44
New Cumberland§	Maximum	53	63	63	62	50	55	56	64	74	64	59	72	75	72	74	83	64	63	74	79	81	84	97	45	52	60	67	78	77	84	87	68
	Minimum	40	32	34	46	38	31	33	32	45	48	46	34	38	41	40	39	47	41	35	39	45	44	49	42	31	43	36	40	52	46	46	40
New Martinsville	Maximum	55	61	64	67	57	57	60	70	72	70	65	70	80	75	75	85	72	65	75	80	83	85	92	82	53	60	72	81	73	82	87	71
	Minimum	38	33	34	45	37	32	36	28	41	48	48	35	35	46	40	39	51	42	35	39	44	52	60	40	30	40	33	43	45	46	44	40
Parkersburg	Maximum	57	60	65	65	53	60	60	69	68	73	61	70	77	74	75	86	66	66	73	76	83	86	92	76	52	57	69	79	78	80	85	70
	Minimum	41	41	43	46	43	41	41	36	50	54	50	42	43	54	46	47	49	43	44	44	57	58	73	39	37	44	36	50	57	53	53	46
Parsons	Maximum	53	50	65	68	60	58	65	60	69	81	70	81	78	72	70	88	69	75	78	80	88	92	88	70	56	56	76	78	80	88	89	72
	Minimum	35	35	32	40	40	43	39	27	38	43	45	40	40	46	45	48	48	38	34	47	48	48	50	48	34	38	31	42	43	45	42	41
Philippi	Maximum	49	59	63	78	59	54	62	66	68	78	66	67	77	82	84	82	69	73	78	80	83	88	87	51	55	69	76	76	76	81	....	71
	Minimum	37	41	42	49	41	32	39	37	46	52	50	39	40	42	49	47	43	35	45	42	55	67	44	33	40	33	48	54	48	51	....	44
Pickens	Maximum	43	54	60	59	47	53	55	64	61	75	62	68	75	68	72	81	66	68	71	75	77	76	85	83	50	41	70	75	75	76	80	66
	Minimum	30	34	29	39	35	31	32	28	35	46	54	43	38	45	38	41	52	41	30	37	52	48	52	45	28	34	27	39	46	44	44	39
Terra Alta	Maximum	37	46	52	51	50	42	48	53	63	64	57	64	67	66	66	76	76	61	63	68	72	75	79	78	49	47	62	70	67	70	72	61
	Minimum	32	35	37	41	37	29	35	36	33	40	50	33	32	42	33	36	54	37	29	31	42	53	67	49	28	34	27	42	47	38	48	38
Wellsburg	Maximum	55	69	61	65	50	59	59	66	68	70	66	73	78	74	76	85	68	71	77	79	83	83	91	85	52	64	72	78	78	80	89	71
	Minimum	39	31	30	47	38	33	32	30	44	45	48	32	35	42	37	37	51	40	34	39	42	42	62	39	32	40	34	43	49	45	45	39
Weston	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Wheeling§	Maximum	55	64	64	67	52	59	59	69	72	68	64	74	79	77	78	87	70	68	78	82	84	87	91	61	55	62	72	82	80	84	....	71
	Minimum	38	22	36	48	38	35	30	30	44	49	49	34	38	43	40	40	48	42	34	42	45	48	50	49	30	30	35	40	48	46	50	40
Southern Division																																	
Bluefield	Maximum	45	53	....	62	59	60	60	63	61	....	70	65	72	72	75	80	....	75	74	75	81	82	80	....	71	64	70	74	70	....	....	68
	Minimum	35	36	....	36	41	38	35	33	44	....	49	50	51	53	45	54	...	51	43	56	49	63	50	...	34	31	30	50	50	....	....	4
Charleston	Maximum	51	63	68	68	58	62	62	71	69	80	65	70	80	75	78	88	72	71	79	82	84	90	92	87	55	62	76	81	86	88	89	7
	Minimum	41	40	40	46	42	40	40	35	46	55	43	44	46	46	48	51	46	41	41	44	54	59	66	38	38	37	38	52	55	64	65	46
Gary §	Maximum	52	69	76	66	57	63	64	67	59	93	78	66	78	79	83	90	73	70	90	94	92	93	88	84	49	55	74	77	76	81	86	74
	Minimum	40	38	35	43	41	37	35	31	39	46	58	53	53	56	45	47	56	56	47	41	46	52	58	55	39	38	34	40	49	51	50	45
Hinton §	Maximum	....	....	....	....	62	62	60	64	66	78	68	72	75	66	72	81	76	74	68	72	73	76	82	64	52	50	70	70	65	71	....	69
	Minimum	....	....	....	....	....	46	46	42	48	52	60	55	56	57	50	56	66	57	56	51	56	57	64	64	34	32	31	53	61	57	54	52
Huntington §	Maximum	55	61	64	67	57	62	60	67	59	70	61	65	72	71	70	80	65	66	70	76	83	83	89	80	54	58	69	74	73	79	84	69
	Minimum	40	43	46	52	43	42	42	37	44	51	57	46	45	52	51	50	59	48	45	45	48	58	63	68	39	42	39	47	55	57	54	48
Lewisburg	Maximum	49	57	63	64	58	59	60	62	60	75	69	64	73	70	73	81	74	69	72	75	78	83	85	84	62	53	66	75	74	75	80	69
	Minimum	36	34	31	39	41	33	33	29	40	45	59	52	46	51	41	46	58	48	45	40	45	50	56	57	38	30	28	42	48	46	43	42
Marlinton	Maximum	44	50	56	64	48	54	52	60	52	70	64	66	72	64	70	76	66	70	70	72	74	80	84	80	58	52	64	72	70	74	76	65
	Minimum	34	36	26	36	38	30	28	24	36	48	48	50	48	48	38	40	38	40	36	34	44	52	54	52	36	34	26	40	46	44	40	39
Point Pleasant	Maximum	62	69	68	69	61	59	71	81	76	75	72	75	80	79	79	78	76	92	80	85	90	92	92	92	70	67	75	85	80	93	89	77
	Minimum	38	41	38	49	41	39	39	33	40	50	55	41	40	50	45	43	41	40	38	40	48	50	65	49	35	40	35	40	50	50	50	43
Ravenswood	Maximum	57	61	61	68	59	60	61	68	67	75	67	70	79	74	76	84	78	63	74	80	82	86	90	86	54	60	71	79	76	83	85	73
	Minimum	43	43	38	36	34	29	37	33	47	55	43	37	38	47	34	35	58	43	38	39	48	52	64	46	35	44	33	45	51	50	48	42
Robertsburg§	Maximum	58	62	66	67	58	62	60	70	65	72	73	70	78	74	78	85	66	66	74	78	82	88	88	80	50	63	73	80	77	83	88	72
	Minimum	36	40	38	46	42	36	38	31	36	48	54	42	38	41	44	44	47	44	42	39	43	52	58	61	37	36	32	40	48	50	48	43
Ryan	Maximum	55	60	74	64	55	58	60	68	67	76	62	67	76	75	75	85	70	68	74	80	81	87	89	89	62	57	70	78	75	80	84	7
	Minimum	38	39	32	44	42	36	34	28	42	52	51	45	37	45	42	41	52	42	35	37	42	50	57	45	32	41	30	40	45	47	43	47
Spencer §	Maximum	59	60	66	65	55	60	60	69	70	78	64	69	78	79	67	84	68	69	74	79	82	88	91	79	56	57	71	70	74	80	84	7
	Minimum	40	48	36	50	45	39	39	32	48	50	59	45	39	43	45	48	52	44	38	38	43	53	56	69	35	43	33	43	52	58	48	4
Summersville	Maximum	48	56	62	64	58	57	57	64	62	71	65	68	74	72	72	82	80	65	69	74	77	82	84	82	63	51	67	73	73	74	78	65
	Minimum	37	38	31	41	42	35	35	29	42	50	54	47	42	50	41	44	60	47	35	38	45	51	55	54	34	40	29	44	47	49	44	42
Sutton	Maximum	55	57	63	63	64	64	64	68	68	72	72	66	71	71	75	85	85	70	73	76	82	84	88	88	68	67	67	66	74	87	87	73
	Minimum	36	38	32	33	33	34	37	28	40	43	36	41	39	41	42	42	38	45	32	36	42	42	44	43	34	32	33	39	42	47	45	38
Union	Maximum	51	61	....	67	63	64	65	65	66	....	79	69	77	77	77	84	....	84	75	81	81	89	89	....	86	53	73	77	75	82	....	73
	Minimum	35	36	....	30	39	31	29	27	36	....	45	50	44	50	38	47	....	47	41	40	43	48	56	....	38	28	27	39	46	43	....	39
White Sulphur Spgs§	Maximum	60	69	65	57	61	65	69	60	83	69	69	71	74	83	88	79	78	79	82	86	91	93	88	52	63	74	82	79	85	86	....	74
	Minimum	34	29	37	42	31	30	27	37	41	58	53	47	51	44	44	60	48	45	39	43	48	52	44	42	33	28	40	48	45	41	46	42
Williamson§	Maximum	52	59	64	64	57	61	63	65	58	75	70	76	73	73	75	83	70	67	70	76	79	87	85	83	51	56	69	75	73	78	83	70
	Minimum	40	40	40	45	44	39	44	37	38	38	50	50	49	41	42	43	50	52	48	44	46	53	60	60	39	39	39	41	53	55	54	4

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[WBO, Cleveland, 6-26-25—820]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIII PARKERSBURG, W. VA., JUNE, 1925 No. 6

GENERAL SUMMARY

The past month was exceptionally warm, especially the first and second decades, the average temperature, 72.2°, being the highest of June State record, except in 1892, 1919 and 1921. Maximum temperatures of 100° or slightly above occurred at sixteen stations. As a rule, however, the night temperatures were only moderately above the normal. The precipitation averaged considerably below the normal and was unfavorably distributed, the conditions being droughty until the 16th. The rainfall over the eastern counties was also insufficient for growth during nearly the entire month. The month was free from damaging storms. Corn was backward early in the month but made excellent growth during the last two decades. Wheat also improved and the crop was in fair to good condition at the close of the month. The potato crop was injured by high temperature and lack of moisture. At the close of the month haying and wheat cutting were general, with fair to good yields, and pastures were generally good.

TEMPERATURE

The monthly mean for the State, determined from 46 stations, was 72.2°. The departure from the normal for 35 stations having ten or more years of record was +3.1°. The temperature was above the normal from the 1st to the 9th and the 13th to the 23d, the highest readings occurring generally on the 4th and 5th. The temperature was near the normal on the 10-12th and was slightly below the normal daily after the 23d.

PRECIPITATION

The average precipitation for the State, determined from 82 stations, was 3.51 inches. The departure from the normal for 43 stations having ten or more years of record was −0.51 inch. The rainfall was heaviest over the central counties and lightest over the eastern and southern counties. Most of the rainfall was received from the 6th to the 10th, 14th to the 18th, 23d to the 25th, and on the 28-29th, the greatest amounts being measured on the 7th, 16th, 18th, 25th, and 29th.

HAIL

Light to moderate hail fell in sections of the following counties n dates given herewith: 6th -Berkeley, Grant, Lewis, Marshall, Iineral, Ohio, Randolph, and Tucker. 7th.-Randolph. 9th.-Ionongalia. 10th.-Lewis, Randolph, and Upshur. 25th.-Vebster. 28th.-Wetzel. On the 6th the hail was moderately eavy at Bayard, Grant County; Burlington, Mineral County; nd Martinsburg, Berkeley County. It was also moderately eavy at Wymer, Randolph County, on the 10th.

LIBRARY OF THE

MISCELLANEOUS PHENOMENA

Fogs, dense: Bancroft, 6th; Creston, 6th; Elkins, 1st; Grafton, 8th; Mannington, 8th, 15th, 20th, and 30th; Rowlesburg, 1st; St. Marys, 8th.

Thunderstorms (dates and number of stations reporting): 2d, 2; 5th, 5; 6th, 17; 7th, 13; 8th, 1; 9th, 8; 10th, 3; 11th, 1; 15th, 2; 16th, 9; 17th, 8; 18th, 7; 19th, 2; 21st, 1; 22d, 2; 23d, 3; 24th, 4; 25th, 4; 27th, 3; 29th, 4.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.00	72	50	52	299.0	67	4,615	6.4	28	nw.	15
Columbus, Ohio	30.00	72	54	57	311.6	69	7,215	10.0	41	nw.	22
Elkins	30.02	81	56	68	275.5	62	3,151	4.4	25	nw.	16
Lexington, Ky	30.02	76	59	....	265.8	60	8,532	11.8	39	n.	6
Parkersburg	30.03	77	64	64	314.5	71	3,402	4.7	26	nw.	17
Pittsburgh, Pa	30.00	69	52	56	298.4	66	6,960	9.7	35	nw.	6
Wytheville, Va	30.01	77	50	63	299.0	68	3,490	4.8	23	sw.	25

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	71.2	.....	.....	5.02	.....	.....	.....	.....	.....	.....
1892	74.1	99	41	3.90	.....	.....	.....	.....	.....	.....
1893	70.2	99	40	3.81	6.41	1.83	.....	13	10	7
1894	70.4	103	32	3.27	6.78	1.25	.....	16	10	4
1895	72.1	102	38	2.92	5.66	1.20	.....	15	10	5
1896	69.8	95	39	5.35	9.86	0.11	.....	8	14	8
1897	69.3	96	35	4.31	6.77	1.31	.....	12	12	6
1898	70.9	99	41	3.21	7.50	0.66	.....	14	11	5
1899	72.0	98	35	4.99	8.93	1.46	.....	14	9	7
1900	71.2	98	41	5.39	15.62	2.49	.....	9	12	9
1901	70.7	104	32	5.67	11.10	1.37	.....	12	12	6
1902	68.0	100	33	5.19	8.49	2.45	.....	11	13	6
1903	65.1	93	34	4.80	12.30	2.01	.....	8	11	11
1904	69.5	97	36	4.20	8.29	2.05	.....	10	13	7
1905	70.6	100	34	4.38	7.72	1.74	.....	13	11	6
1906	70.9	101	38	5.25	9.32	2.84	.....	11	12	7
1907	65.3	97	33	6.09	11.95	1.93	.....	10	11	9
1908	69.2	98	36	3.12	6.75	1.35	.....	15	10	5
1909	71.1	101	35	5.73	9.19	2.47	.....	9	13	8
1910	66.6	96	32	5.67	11.27	1.52	.....	10	10	10
1911	70.7	101	40	4.44	9.34	1.88	.....	14	10	6
1912	67.3	95	29	4.27	9.21	1.11	.....	13	10	7
1913	69.5	99	29	3.44	6.55	0.86	.....	18	8	4
1914	72.0	100	30	3.00	6.60	0.62	.....	15	11	4
1915	67.7	95	33	3.63	7.09	1.21	.....	15	8	7
1916	65.8	91	35	5.42	14.54	2.50	.....	14	5	8
1917	67.7	99	31	3.81	6.58	1.38	.....	14	9	7
1918	68.2	99	34	4.17	10.11	0.87	.....	16	7	7
1919	73.0	100	40	5.06	10.15	1.67	.....	16	8	6
1920	67.9	98	36	5.01	9.70	2.53	.....	13	7	10
1921	72.4	101	38	4.01	8.67	0.47	.....	15	9	6
1922	70.7	97	33	4.66	7.95	1.75	.....	12	9	9
1923	70.2	102	35	4.54	10.37	1.25	.....	16	7	7
1924	68.7	98	32	4.67	7.63	1.90	.....	13	8	9
1925	72.2	109	35	3.51	8.06	1.05	.....	16	8	6
Means and extremes	69.8	109	29	4.45	15.62	0.11	.....	13	10	7

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., June, 1925

See temperature and precipitation data in Climatological Tables, Pages 22, 23, and 24

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
larksburg	Evaporation	.233	.267	.244	.322	.289	.270	.088	.115	.265	.180	.370	.235	.300	.255	.190	.340	.153	.220	.236	.235	.288	.270	.250	.100	.008	.202	.180	.250	.245	.065	....	6.665
	Wind movement	32	29	25	35	26	24	39	18	30	36	100	59	44	33	32	55	30	83	60	4	46	51	34	49	54	64	56	19	42	23	....	1,223

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for June, 1925

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,700	24	68.2	+ 4.9	94	4	38	1	49	8.06	+3.16	2.51	0	13	17	7	6	sw.	U. G. Clark
Brandywine††	Pendleton	.....	9	71.1	.....	94	2	47	11	38	3.90	.....	1.20	0	8	18	5	7	sw.	Elmer Keister
Burlington	Mineral	875	31	74.0	+ 5.7	109	3	39	13	51	3.40	−0.57	1.70	0	4	14	15	1	e.	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	36	.....	.....	.....	.....	.....	.....	.....	2.31	−1.39	0.63	0	9	.....	.....	.....	.....	J. C. Newcomer
Inwood	Berkeley	569	3	73.4	.....	100	4†	45	1†	47	2.91	.....	1.38	0	7	19	10	1	se.	H. W. Prettyman
Martinsburg	Berkeley	435	33	76.5^a	+ 5.9	104^a	4†	49	12	46^a	3.64	−0.65	1.37	0	11	20	10	0	e.	Dr. H. S. Gardner
Moorefield	Hardy	900	29	73.0	+ 3.4	101	4	41	12	53	1.69	−2.47	0.62	0	7	28	2	0	.....	M. S. Henkel
Piedmont	Mineral	919	12	70.4	.....	96	4	45	12	40	2.74	.....	0.76	0	9	18	4	8	nw.	C. A. Suter, Jr.
Romney ††	Hampshire	824	27	.....	.....	.....	.....	.....	.....	.....	2.06	.....	0.93	0	4	.....	.....	.....	.....	Richard A. Bergdoll
Stony River Dam	Grant	3,300	5	.....	.....	.....	.....	.....	.....	.....	4.19	.....	1.40	0	6	7	12	11	w.	A. C. Becker
Upper Tract	Pendleton	1,230	26	68.0^g	+ 0.1	92^g	1†	43^g	1†	49^g	1.05	−3.14	0.50	0	6	20^d	0^d	6^d	w.	J. M. Mallow
Wardensville	Hardy	1,200	7	71.8	.....	100	4	40	12	50	2.34	.....	0.78	0	6	19	6	5	s.	Luther F. Sutton
Averages and	extremes	.....	.....	71.9	+ 4.0	109	3	38	1	53	3.23	−0.84	2.51	0	7	18	8	4	w.	
Northern Division																				
Aberdeen	Upshur	1,060	1	.....	.....	.....	.....	.....	.....	.....	5.73	.....	1.62	0	12	8	13	9	w.	L. Else Bond
Bens Run	Pleasants	622	23	74.4	+ 4.1	99	5	48	11	38	4.28	−0.24	0.85	0	13	16	12	2	.....	J. D. Riggs
Benson ††	Harrison	1,080	2	71.6	.....	97	4†	41	1	48	5.02	.....	1.49	0	11	9	19	2	.....	R. D Marts
Brownsville	Lewis	1,032	2	72.6	.....	100	5	41	11	48	4.13	.....	0.82	0	11	14	11	5	.....	S. L. Montgomery
Bruceton Mills	Preston	1,549	5	.....	.....	.....	.....	.....	.....	.....	5.49	+0.91	1.15	0	11	5	20	5	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	28	71.2	+ 2.6	92	5	48	1	37	4.63	−0.26	0.90	0	9	20	8	2	.....	H. A. Darnall
Cheat Bridge	Randolph	3,558	7	60.4^a	.....	80^a	15†	36	12	37^a	5.08	.....	1.46	0	12	22	0	8	.....	H. F. Cromer
Clarksburg	Harrison	1,015	3	72.7^a	.....	100^a	4	47	1	46^a	3.88	.....	0.88	0	13	15	7	8	w.	Clarksburg Water Board
Cortland	Tucker	3,300	14	.....	.....	.....	.....	.....	.....	.....	6.13	+1.35	1.80	0	9	4	23	3	.....	G. W. Harmon
Crawford	Lewis	1,087	2	.....	.....	.....	.....	.....	.....	.....	2.23	.....	0.74	0	9	15	10	5	.....	George W. Blair
Creston	Wirt	701	23	74.0	+ 3.4	100	4†	47	1†	45	3.31	−0.96	0.99	0	11	17	6	7	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	786	4	.....	.....	.....	.....	.....	.....	.....	4.22	.....	0.83	0	14	.....	.....	.....	.....	Lockmaster
Dam 12 O. R.	Ohio	614	9	.....	.....	.....	.....	.....	.....	.....	3.34	.....	1.29	0	10	.....	.....	.....	.....	Lockmaster
Dam 13 O. R.	Ohio	605	9	.....	.....	.....	.....	.....	.....	.....	4.06	.....	0.97	0	12	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R.	Monongalia	839	4	.....	.....	.....	.....	.....	.....	.....	2.88	.....	0.58	0	12	.....	.....	.....	.....	Lockmaster
Davis	Tucker	3,093	16	.....	.....	.....	.....	.....	.....	.....	7.59	+2.67	1.58	0	14	16	11	3	w.	Ross C. Male
Elkins	Randolph	1,947	24	68.8	+ 1.9	92	5	45	1	41	6.11	+1.07	1.62	0	11	7	14	9	w.	U. S. Weather Bureau
Evenwood	Randolph	.....	0	.....	.....	.....	.....	.....	.....	.....	6.50	.....	1.18	0	10	12	14	4	.....	Claude A. Cunningham
Fairmont	Marion	883	19	74.4	+ 4.1	103	5	47	11	42	3.22	−1.23	0.82	0	10	23	1	6	w.	Creed E. Bolyard
Glenville	Gilmer	738	31	74.2	+ 3.4	100	5	45	11†	47	2.63	−1.84	0.95	0	7	20	7	3	w.	Howard R. Brannon
Grafton (near)	Taylor	1,000	32	69.0^a	− 0.2	99^a	5	38	1	55^a	4.85	+0.32	1.20	0	9	15	9	6	w.	Curtis Boice
Hornert††	Lewis	1,044	2	.....	.....	.....	.....	.....	.....	.....	4.13	.....	0.76	0	10	21	5	4	.....	Thomas E. Miles
Horton	Randolph	2,775	0	.....	.....	.....	.....	.....	.....	.....	4.82	.....	1.30	0	11	6	14	10	sw.	J. W. White
Janelew (near)	Lewis	1,020	2	72.0	.....	98	5	44	1	47	5.43	.....	1.50	0	10	18	9	3	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	27	70.0	+ 2.2	93	4†	42	1	44	6.19	+2.00	1.52	0	11	15	5	10	w.	Allen Smith
Mannington	Marion	974	22	70.6	+ 2.5	95	5	44	11	42	4.95	+0.73	1.27	0	13	16	9	5	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	32	73.4	+ 4.3	98	4	44	11	41	4.33	−0.21	1.21	0	10	8	16	6	s.	Prof. E. L. Andrews
Moundsville	Marshall	642	22	72.6^a	+ 2.8	99^a	4	46	10	42^a	2.86	−0.62	0.83	0	10	12	10	8	sw.	Fred N. Wilson
New Cumberland	Hancock	987	27	71.9	+ 4.0	98	4	42	11	43	4.92	+0.25	3.31	0	10	18	6	6	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	31	72.8	+ 1.4	102	5	43	11	49	4.12	+0.05	1.20	0	10	17	9	4	s.	Wm. Ankrom
Parkersburg	Wood	638	38	75.3	+ 3.9	98	5	51	11	37	3.48	−1.17	1.07	0	12	15	7	8	se.	U. S. Weather Bureau
Parsons	Tucker	1,656	25	70.8	+ 4.7	102	5	46	12	46	4.70	−0.54	2.15	0	6	20	5	5	.....	J. W. Swisher
Philippi ††	Barbour	1,149	28	72.0	+ 3.6	95	5	41	11	37	4.82	+0.30	1.13	0	11	15	5	10	w.	Prof. W. B. Pimm
Pickens ^{a}††	Randolph	2,697	22	67.0	+ 1.9	93	5	41	11	40	5.05	−1.06	1.69	0	10	17	9	3	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	2	.....	.....	.....	.....	.....	.....	.....	2.83	.....	0.75	0	9	13	14	3	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	38	.....	.....	.....	.....	.....	.....	.....	4.34	−0.68	1.60	0	10	.....	.....	.....	.....	J. F. Pierce
Saint Marys	Pleasants	577	16	.....	.....	.....	.....	.....	.....	.....	3.83	+0.06	0.87	0	12	.....	.....	.....	sw.	Wm. Hughes
Smithfield	Wetzel	835	19	72.0	+ 4.1	94	2†	40	1	48	5.61	+1.02	0.95	0	13	20	5	5	se.	G. M. Whisler
Terra Alta	Preston	2,612	24	61.6	− 4.2	88	4†	35	14†	47	5.23	−1.75	1.15	0	14	7	14	9	sw.	J. J. Shanahan
Valley Chapel	Lewis	1,011	2	74.0	.....	99	5†	46	1	46	4.32	.....	1.30	0	12	17	9	4	w.	J. C. Campbell
Vandalia ††	Lewis	1,120	2	.....	.....	.....	.....	.....	.....	.....	1.72	.....	0.63	0	6	.....	.....	.....	.....	Miss Phyllis West
Wellsburg	Brooke	1,225	24	71.8	+ 4.2	98	3	40	11	48	3.97	−0.52	1.71	0	10	16	10	4	w.	George P. Pfister
Wheeling	Ohio	645	38	73.4	+ 2.5	103	5	44	11	46	5.00	+1.19	2.35	0	12	13	14	3	w.	Miss M. B. Forsyth
Wymer	Randolph	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.15	.....	0.98	0	10	12^c	0^c	15^c	e.	T. R. Ratzer
Averages and	extremes	.....	.....	71.4	+ 2.7	103	5	35	14†	55	4.50	+0.07	3.31	0	11	14	10	6	w.	
Southern Division																				
Arbovale	Pocahontas	2,737	.....	.....	.....	.....	.....	.....	.....	.....	2.68	.....	0.81	0	14	12	15	3	w.	H. S. Sutton
Bancroft	Putnam	574	21	73.8	+ 2.9	94	4	51	11	38	2.45	−2.18	0.82	0	7	23	0	7	ne.	R. E. Dent
Beckley ††	Raleigh	2,440	25	71.4	+ 4.2	92	4	50	6	41	2.93	−1.50	0.97	0	6	14	11	5	w.	K. E. Williams
Bluefield ††	Mercer	2,558	30	71.7^d	− 2.9	92^d	5	49^d	1	38^d	4.21	−0.57	0.90	0	11	16^c	0^c	11^c	.....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,062	10	.....	.....	.....	.....	.....	.....	.....	2.02	.....	1.00	0	3	28	1	1	s.	Miss Katie Jarvis
Charleston	Kanawha	597	22	75.7^a	+ 2.6	102^a	3	52	10†	39^a	2.15	−2.38	0.75	0	5	20	0	10	.....	R O. Fields
Clay	Clay	706	9	.....	.....	.....	.....	.....	.....	.....	3.93	.....	1.33	0	8	.....	.....	.....	.....	Ted Thomas
Dam 6 G. K.	Kanawha	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.43	.....	1.15	0	6	.....	.....	.....	.....	Lockmaster
Dam 19 O. R.	Wood	557	9	.....	.....	.....	.....	.....	.....	.....	3.39	.....	0.80	0	10	.....	.....	.....	.....	Lockmaster
Dam 20 O. R.	Wood	551	9	.....	.....	.....	.....	.....	.....	.....	2.98	.....	0.98	0	8	.....	.....	.....	.....	Lockmaster
Dam 26 O. R.	Mason	505	9	.....	.....	.....	.....	.....	.....	.....	1.45	.....	0.40	0	9	.....	.....	.....	.....	U. S. Engineer Office
Gary	McDowell	1,426	9	73.8^d	.....	94^d	4	53^d	11†	36^f	5.32	.....	1.25	0	10	.....	.....	.....	.....	U. S. Coal & Coke Co.
Green Sulphur Springs	Summers	1,600	28	77.0	+ 8.5	96	5	48	12	34	3.47	−0.70	1.11	0	9	13	6	11	w.	W. H. Gwinn
Hinton	Summers	1,450	28	.....	.....	.....	.....	.....	.....	.....	2.78	−1.45	1.18	0	10	.....	.....	.....	.....	Mrs J. R. Baber
Huntington	Cabell	538	31	76.0	+ 3.4	93	4†	57	1†	30	2.50	−1.74	1.32	0	8	15	6	9	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	6	.....	.....	.....	.....	.....	.....	.....	2.15	.....	0.90	0	6	.....	.....	.....	.....	J. O. Brown
Kayford †	Kanawha	1,335	9	.....	.....	.....	.....	.....	.....	.....	3.14	.....	0.96	0	10	.....	.....	.....	.....	Cabin Creek Con. Coal C
Lewisburg	Greenbrier	2,200	25	69.6	+ 2.4	92	5	48	1	40	5.83	+1.59	1.34	0	12	18	7	9	s.	Geo. T. Argabate
Logan	Logan	700	22	.....	.....	.....	.....	.....	.....	.....	2.65	−2.76	1.47	0	8	.....	.....	.....	.....	J. R. Wampler
Marlinton††	Pocahontas	2,131	26	66.4	+ 1.5	88	2†	44	1†	44	4.38	+0.16	1.12	0	13	6	21	3	sw.	S. L. Brown
Point Pleasant	Mason	558	32	77.6	+ 5.2	104	5	48	1	48	2.80	−1.50	1.01	0	7	21	0	9	s.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	538	10	74.6	.....	102	4†	50	11	41	2.49	.....	0.96	0	7	18	0	12	se.	Lockmaster
Robertsburg	Putnam	574	25	74.2	+ 2.9	99	4	50	1	42	2.93	−1.12	0.72	0	10	18	0	12	.....	M. Frazier
Ryan	Roane	700	22	72.5	+ 3.4	97	4†	45	1	45	2.38	−2.09	0.95	0	8	17	8	5	.....	Wm. E. Ryan
Sharples	Logan	.....	5	.....	.....	.....	.....	.....	.....	.....	2.82	.....	0.68	0	7	.....	.....	.....	.....	E. H. Locke
Spencer††	Roane	784	21	73.6	+ 3.7	96	4†	48	1	43	1.38	−2.97	0.38	0	6	8	15	7	.....	A. M. McKown
Summersville^c	Nicholas	1,894	1	71.0	.....	92	5	48	11	35	2.39	.....	0.73	0	7	14	4	9	.....	J. O. McMillion
Sutton	Braxton	839	19	70.6	− 2.2	98	2†	47	1†	46	3.25	−1.78	0.80	0	7	22	0	8	.....	C. B. Eakle
Union ^{d}	Monroe	2,250	21	71.6	+ 4.6	96	5	42	1	51	3.65	−0.67	1.16	0	8	7	14	5	.....	W. M. H. Young
Wayne	Wayne	598	.....	.....	.....	.....	.....	.....	.....	.....	3.27	.....	1.03	0	8	.....	.....	.....	.....	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,940	15	73.0^a	+ 6.1	97^a	2†	42	10	43^a	5.28	+0.72	1.70	0	9	25	0	5	.....	E. J. Comar
Williamson	Mingo	660	25	74.2	+ 2.2	91	4†	56	11†	32	3.13	−1.50	1.30	0	10	22	5	3	w.	J. F. Keyser
Averages and	extremes	.....	.....	73.7	+ 3.3	104	5	42	1	51	2.98	−1.41	1.47	0	8	18	5	7	w.	
State averages and	extremes	.....	.....	72.2	+ 3.1	109	3	35	14†	55	3.51	−0.51	3.31	0	9	16	8	6	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missingdays; for example, ^{b} represents two days, etc.

Daily Precipitation for June, 1925

Stations	Drainage basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard||||	Potomac		T.			1.84	.67		T.	T.	.06					.12	.31	T.	1.14	.19		.12		1.04	T.	.07	1.43			.04	.53		8.06
Brandywine	do			T.			.65	.95							T.	.45	.75	.25	.30	T.					.30	.25							3.90
Burlington	do			T.			1.70	T.	.40	T.	T.	T.						.50	T.						.80	T.	T	T.					3.40
Harpers Ferry ||||	do								.06							.18		.02		.11		.01		.49		.63			.21		.60		2.31
Inwood	do																	.01	.27					.45	.20	.45		1.38			.15		2.91
Martinsburg||||	do							1.03	.10								.02		.02	.02		.01		.18	T.	.77			1.37	.08	.04		3.64
Moorefield	do																.20	.37	.23	.04				.62				.18	.05				1.69
Piedmont	do							.26			.02						.25	.22	.20			.12		.60	.76	.31							2.74
Romney||||	do								.18														.65			.93		.30					2.06
Stony River Dam||||	do																1.02		.58	.30				.87		1.40	.02						4.19
Upper Tract	do								.10	T.						.50		.10	T.						.15		.10	.10					1.05
Wardensville||||	do				T.				.09								.11		.35				T.	.45		.78	T.		.56				2.34
Northern Division																																	
berdeen	Monongahela						.06	1.56		.54	.28				08		.51	.56	.46					.41	.68	.46			.13	T.			5.73
ens Run	Ohio						.05	.25	.48					.08		.47	.85	.08						.50	.52	.22		.05	.24	.49			4.28
enson	Monongahela						.20	.55		.03	.57				.20		.61	.10	1.49					.08	.97	.22							5.02
rownsville	do						T.	.36		.71					.05	T.	.44	.14	.70					.12	.82	.55	.21		T.	.03	T.		4.13
ruceton Mills	do						.04	.08		.20					.43		.53	.97	.28				1.15	.24	.86	.16			T.	.55			5.49
uckhannon	do		T.				.32	.90		.26							.80	.58	.50					.25	.68	.34				T.			4.63
heat Bridge ||||	Monongahela			.37			.43	.62	.42	.23	.09							.05	.50	.67				.11	T.	1.46	.13						5.08
larksburg ||||	do							.30	.58		.17				.05	.09	.61	.02	.72	.03				.54		.72	.02				.03		3.88
ortland ||||	do						.60	.45		.15						1.30		.25	.60				.90		1.80	.08							6.13
rawford	do						.15	.08	.17								.10		.50					.13	.74	.35				.01			2.23
reston ||||	Little Kanawha							T.		.35	.07				.10		.21	.29	.84	.03					.08	.91	.30			.13			3.31
am 10, Mon. R.||||	Monongahela							.64			.32				.01	.28	.43		.16	.40		.18		.28	.09	.52	.08			.03	.80		4.22
am 12, O. R.||||	Ohio							.45	.04	T.					.12		.12							.12	.02	.56	.01			1.29	.61		3.34
am 13, O. R.||||	do							.97	.04	.40					.03		.38		.07					.04	.07	.80			.02	.60	.64		4.06
am 15, Mon. R.||||	Monongahela							.21			.04					.10	.41		.30	.22				.54	.06	.58	.12			.04	.26		2.88
avis	do			.04			1.08	.75		.05	.20						.77	.11	.30	1.58			.03	1.16		1.36	.13				.03		7.59
lkins***	do		.03			T.	.41	.41		1.62					T.		1.30	.21	.89				.16	.01	.50	.57				T.			6.11
venwood||||	do							.68		.32	.80						1.18	.37	1.08					.27	.61	.67					.52		6.50
airmont||||	do							.34		T.	.06				.09	T.	.55	T.	.32	.21				.45	T.	.82	T.	T.		.05	.33		3.22
lenville ||||	Little Kanawha							.08			.28				.18		.12		.72							.95	.30						2.63
rafton (near) ||||	Monongahela						.35			.24					.10		.90		1.20				.90		.90	.09					.17		4.85
orner	do							.58		.32							.60	.05	.62					.30	.76	.40	.25			.25			4.13
orton	Monongahela		.01					1.30		.20	T.						1.10	.17	.50					.11	.34	.73	.11	T.			.25		4.82
nelew (near)	do						.20	1.30		.65	.12				.09		.40	1.15						.38	.79	.35							5.43
ost Creek	do						.76	.84		.16	1.36				.17		.61	.30	.79					.08	.92	.20				T.			6.19
annington	do							.26		.05					.49		1.27	.17	.13			.03		.49	.69	.37			.25	.20	.55		4.95
organtown	do						.17			T.					.24		.40	.10	.80			1.21		.41	.50	.18				.32			4.33
oundsville||||	Ohio						.28	.08							.22	.19		.25					.11		.83			.03	.48	.39			2.86
w Cumberland||||	do														.11		.05		.17			.04		.04		2.85	.46		.14	1.00	.06		4.92
w Martinsville	do														.67		1.20	.05	.45			.05		.15	.55	.25			.30	.45			4.12
arkersburg ***	do						.62	.16	.50	.19					.03	T.	.11	1.07	T.				T.	T.	.57	.02		.16	.01	.04			3.48
rsons	Monongahela						*	1.25										*	2.15					*	1.30					T.	T.		4.70
ilippi	do		T.				.40	.30			.13				.17		1.08	.21		1.13				.35	.80	.20			.05	T.			4.82
kens	do						.25	.56		.43	.25						.46	1.14	.55				T.	.45		.87				.09			5.05
anoke	do						T.	.42		.69	.11				T.		.03		.70					.05	.75	.03			T.	.05			2.83
wlesburg ||||	do							.30		.05					.04		.30	.05	.44	.49				.72		1.60					.35		4.34
int Marys ||||	Ohio							.42	.02	.23					.12		T.	.73	.87					.05	.02	.55			.33	.02	.47		3.83
ithfield||||	Fishing Creek							.61	.34	.02					.31		.84	.04	.68					.95	.01	.89	.12			.21	.59		5.61
rra Alta	Monongahela						.26	.02		.01	.15				.06		.56	.34	1.15	.39			T.	.21	1.12	.65			T.	.10	.21		5.23
lley Chapel	do						.10	.75		.04	.16				.12		.59		1.30					.24	.81	.12				.04	.05		4.32
ndalia	do						.04	.25										.63	.10						.60					.10			1.72
llsburg	Ohio					.23				.12					.43			.36				.14		.06	.35	.54		.03		1.71			3.97
eeling||||	Ohio							1.34	.04	.02					.06		.24		.01					.12	.01	.61			.20	1.71	.64		5.00
mer	Monongahela							.45		.20	.40						.50	.65						.98	.04	.52	.09				.32		4.15
outhern Division																																	
oovale	Great Kanawha						.24	.10	.05	.03	.02					.02	.45	.29	.06					.03	.34	.81			.23		.01		2.68
ieroft ||||	do							.80	*									.52	.12	.05					.05	.82	.09						2.45
kley	do						.62			.07							.97	.48	.16						.63								2.93
efield	do						.90			.10							.30	.10	.30	.70				.08	.60	.88				.24	.04		4.24
nden-on-Gauley||||	do						.80					.22														1.00							2.02
rleston ||||	do									.40							.28		.46					.26	.75								2.15
r||||	do							.10			.74							.51	1.15	.06					.05	1.28	.04						3.93
n 6 G. K. ||||	do										.62							.33		.03					.25	1.15					.05		2.43
n 19 O. R. ||||	Ohio							.40		.80					.10		.43	.16	.12	.02				T.	T.	.65			.65	.06	T.		3.39
n 20 O. R. ||||	do							.45		.33					.06			.05	.90						.03	.98		.18					2.98
n 26 O. R. ||||	do							.27		.05					.15			.10	.30					.05	.10	.40			.03				1.45
v||||	Big Sandy					.46	.18	.04			.43				*	*	*	1.18	.58	.44					.71	1.25					.05		5.32
n Sulphur Spgs.	do		T.				.25			.17							.45		.51	.20				.20	.43	1.11				.15			3.47
ton ||||	do						.27	.07								.07	.03	.43		.30				.03	.25	1.18	.15						2.78
tington ||||	Ohio							.46							.24			.22	.06	.08				.12	.32	1.00							2.50
awha Falls||||	Great Kanawha																	.30	.10	.90				.12	.08	.65							2.15
ford||||	do							.12	.01							T.	.06	.96	.33	.26				.03	.18	.88	.31				T.		3.14
isburg	do				.11	.01	1.57		T.	1.34						.08	.21	1.17	.04					.08	.28	.82			.12				5.83
an ||||	Guyandotte							.13									.07	.57	T.					.05	.18	1.47	.09			.09			2.65
linton	Great Kanawha		.08		T.	.94	.18	.28	T.	.12					.06		.40	.24	.50					.13	.53	.48					.44		4.38
t Pleasant ||||	Ohio							1.01									T	.40	.43					.04	.12	.60				.20			2.80
nswood (Dam 22	Ohio						.50			.50					.05				.18							.96			.15	.15			2.49
rtsburg ||||	Great Kanawha							.38		.25					.12		.25	.72	.51	.17					.12	.39	.02						2.93
n	do						T.	.01		.17					.01		.95	.01	.20					T.	.78	.25				T.			2.38
ples||||	Coal River							.32										.68	.12					.50	.60	.48	.12						2.82
cer ||||	Great Kanawha							T.		.36	T.				.05			.13	.33					T.	T.	.38				.13			1.38
mersville	Gauley							.22		.25							.54	.20		.20			.73	.25									2.39
on	Great Kanawha							T.	.30	.35							.80		.73						.55	.30					.22		3.25
n	do									.84							.35	.22		.28				.36	.38	1.16					.06		3.65
ne||||	Big Sandy							.73							.18		.20		.46	.39				.06	.22	1.03							3.27
e Sulpr. Spgs.||||	Great Kanawha		.02				1.70		.04	.67					.30			1.05						.20	1.15	.15							5.28
amson ||||	Big Sandy							.02			.16						.06	.48	.28	.04				T.	.55	1.30	.18			.06			3.13

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

|||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for June, 1925

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	87	88	92	94	93	89	80	86	86	80	75	80	82	86	90	87	82	78	75	80	79	82	78	72	73	76	82	80	77	75	....	82.1
	Minimum	38	48	53	54	57	57	59	57	57	53	57	42	43	50	53	65	47	66	57	58	48	58	58	58	61	59	44	57	58	55	....	54.2
Brandywine	Maximum	92	94	91	93	93	90	89	88	85	80	78	80	83	86	85	87	84	87	82	84	86	82	80	69	80	79	85	84	82	83	....	84.7
	Minimum	54	56	60	59	60	59	60	59	60	58	47	52	59	60	61	60	59	57	64	61	60	58	54	52	64	54	50	54	53	55	....	57.5
Burlington	Maximum	95	98	109	108	104	106	96	98	95	90	89	85	90	91	88	89	89	90	94	95	87	81	80	82	81	86	84	84	80	80	....	90.8
	Minimum	71	72	71	61	61	65	58	60	61	59	44	41	39	48	50	54	55	59	60	61	61	60	68	62	51	54	52	50	55	56	....	57.3
Inwood	Maximum	90	95	99	100	98	100	99	98	96	90	85	81	83	90	96	92	84	88	85	90	92	91	78	77	85	83	88	86	85	79	....	89.4
	Minimum	45	48	52	67	62	60	60	55	50	61	51	45	51	59	62	69	53	68	63	52	53	56	64	56	61	61	55	65	60	62	....	57.5
Martinsburg§	Maximum	100	100	103	104	104	101	89	95	90	93	80	83	83	95	100	92	86	92	87	92	91	93	82	72	89	88	91	90	88	....	....	91.5
	Minimum	54	58	65	68	66	71	69	64	67	64	51	49	53	64	65	63	57	63	66	57	60	57	66	57	61	61	58	64	61	66	....	61.5
Moorfield	Maximum	95	95	100	101	100	97	96	95	86	92	86	86	88	93	100	97	91	89	86	91	88	93	91	80	86	85	88	90	89	85	....	91.3
	Minimum	42	51	58	59	58	58	62	59	59	55	47	41	47	59	57	64	50	63	59	57	52	50	60	54	53	55	50	56	52	58	....	54.8
Piedmont	Maximum	89	90	95	96	95	94	79	89	87	82	74	80	83	88	92	85	83	83	82	83	82	83	76	70	76	78	84	82	80	75	....	83.8
	Minimum	49	56	60	61	61	62	66	61	62	57	50	45	49	59	60	68	51	65	60	55	55	52	60	56	54	52	54	57	55	59	....	57.0
Romney	Maximum	96	98	93	99	82	98	86	95	....	....	....	....	....	....	....	....	....	86	85	88	89	90	....	....	....	83	87	....	....	....	....	90.3
	Minimum	49	55	61	62	60	62	65	62	62	....	....	....	....	....	....	....	....	....	61	54	57	53	63	....	....	....	51	58	....	....	....	58.4
Upper Tract	Maximum	92	....	90	92	92	....	....	....	87	88	78	....	80	77	86	86	85	80	79	78	77	76	70	67	....	79	78	77	....	70	....	81.0
	Minimum	43	....	53	60	60	....	....	....	57	50	45	....	43	60	58	59	58	58	59	58	59	58	60	59	....	55	54	51	....	47	....	55.0
Wardensville§	Maximum	93	94	97	100	98	94	98	92	88	85	87	86	88	90	90	86	80	85	90	88	87	89	71	80	83	87	82	86	85	79	....	87.9
	Minimum	43	53	57	60	60	60	66	60	59	61	41	40	50	61	41	65	57	60	61	64	54	50	61	52	62	54	50	57	54	55	....	55.6
Northern Division																																	
Bens Run	Maximum	91	92	95	98	99	94	82	90	87	78	79	89	89	90	90	82	85	81	82	89	88	86	79	77	79	76	85	84	76	78	....	85.7
	Minimum	53	62	60	60	64	68	66	64	67	62	48	72	55	68	69	62	70	66	64	60	61	61	65	60	69	61	57	69	64	62	....	63.0
Buckhannon	Maximum	85	88	89	90	92	88	80	84	79	80	74	85	84	84	84	79	85	81	78	81	81	82	78	73	78	74	78	81	74	75	....	81.5
	Minimum	48	59	61	62	63	64	64	62	65	60	60	52	50	60	68	70	60	67	64	55	60	60	63	60	67	60	58	67	58	62	....	61.0
Clarksburg	Maximum	93	96	96	100	98	97	83	90	87	79	76	92	90	91	91	84	87	82	79	85	84	87	74	75	78	78	88	84	79	....	....	86.3
	Minimum	47	57	60	59	61	63	65	64	64	58	49	50	50	61	63	68	59	66	62	55	58	55	64	59	67	58	53	59	58	62	....	59.1
Creston	Maximum	92	95	97	100	100	90	90	92	88	81	82	92	89	93	94	87	92	86	81	58	88	90	83	75	80	80	89	86	80	81	....	88.0
	Minimum	47	60	61	60	63	66	64	61	64	58	47	49	52	66	63	70	66	67	62	56	58	58	65	62	68	56	53	58	60	62	....	60.1
Elkins	Maximum	86	87	88	91	92	87	79	85	81	78	76	82	81	84	87	77	84	79	78	80	80	82	76	70	75	74	80	80	78	72	....	80.9
	Minimum	45	54	59	58	59	60	62	59	61	54	47	48	54	64	60	59	56	67	59	53	56	56	62	58	62	57	51	55	54	50	....	56.6
Fairmont§	Maximum	93	97	96	101	103	98	83	92	88	84	83	92	90	92	97	96	86	86	86	89	88	89	74	72	80	82	88	86	75	80	....	88.2
	Minimum	51	59	64	62	65	65	65	64	67	61	47	51	54	68	64	69	58	60	64	57	57	57	64	58	64	64	52	63	61	61	....	60.5
Glenville	Maximum	95	97	98	99	100	99	94	91	91	89	90	92	91	92	97	95	91	90	84	95	90	93	91	76	80	81	89	87	81	79	....	90.7
	Minimum	48	57	59	58	62	62	63	62	62	55	45	45	47	49	60	69	61	64	61	55	58	56	65	59	68	55	52	57	58	61	....	57.8
Lost Creek	Maximum	86	89	90	93	93	90	76	86	81	77	75	88	86	88	90	85	87	82	80	85	85	85	80	72	78	79	86	85	80	78	....	83.8
	Minimum	42	54	57	55	57	60	62	60	61	62	47	46	45	59	60	68	56	59	59	50	55	53	61	55	65	56	50	56	55	59	....	56.1
Mannington	Maximum	87	90	92	93	95	93	79	86	84	81	75	88	87	86	89	86	84	83	81	84	83	83	79	74	77	76	82	81	75	74	....	83.6
	Minimum	46	55	60	57	60	62	64	63	64	57	44	46	49	60	62	69	54	66	60	53	56	52	63	55	67	57	52	58	59	60	....	57.7
Morgantown	Maximum	90	92	94	98	97	96	91	90	85	78	78	87	88	89	92	87	84	83	83	84	84	84	79	76	77	77	85	84	78	76	....	85.3
	Minimum	49	62	67	64	66	68	64	61	67	62	44	60	58	66	66	68	57	69	64	57	57	57	61	56	67	60	59	60	62	60	....	61.3
New Cumberland§	Maximum	92	93	95	98	97	90	78	91	88	79	78	90	88	91	95	83	87	87	77	87	86	83	84	73	77	77	83	83	75	72	....	85.2
	Minimum	53	60	61	60	62	64	59	62	67	64	42	47	57	67	63	69	53	60	60	55	57	54	62	55	64	58	62	52	59	51	....	58.6
New Martinsville	Maximum	90	95	97	101	102	97	75	94	90	83	80	94	93	94	95	95	87	87	82	90	88	90	81	79	80	80	88	85	83	78	....	88.
	Minimum	45	56	58	56	65	65	62	60	63	58	43	45	53	64	63	63	55	65	58	53	56	52	60	53	65	54	54	56	59	57	....	57.
Parkersburg	Maximum	93	94	96	98	98	94	85	90	88	77	76	87	88	90	94	84	91	85	80	87	86	90	73	75	78	80	85	84	79	75	....	86.
	Minimum	56	67	67	66	69	68	67	66	68	61	51	55	64	69	71	71	66	72	65	60	65	67	67	63	67	61	61	62	67	60	....	64.
Parsons	Maximum	90	95	100	101	102	96	80	92	80	80	84	87	89	94	91	84	86	80	80	83	80	83	88	80	79	84	85	80	80	84	....	86.
	Minimum	52	52	58	56	56	56	58	60	60	55	48	46	50	50	50	50	56	60	60	60	55	54	53	54	47	53	58	64	60	56	....	54.9
Philippi	Maximum	88	91	92	94	95	93	80	87	87	85	78	88	86	88	90	84	85	81	80	80	82	83	77	73	71	71	84	85	77	74	....	83.
	Minimum	53	62	65	65	64	66	63	60	64	60	41	61	54	62	61	67	59	60	67	63	55	59	62	58	65	58	55	57	61	61	....	60.
Pickens	Maximum	88	89	82	91	93	90	78	85	79	80	78	86	82	87	88	76	85	80	76	80	63	63	64	....	73	75	82	81	80	76	....	80.
	Minimum	48	55	57	57	58	57	58	55	57	50	41	50	51	58	56	64	55	61	59	49	50	56	52	....	55	50	46	46	53	49	....	53.
Terra Alta	Maximum	79	83	85	88	88	75	74	80	77	72	70	72	79	78	82	78	73	74	72	74	74	75	71	70	68	68	78	75	68	68	....	75.
	Minimum	43	51	54	53	54	56	60	55	58	57	40	48	47	35	35	49	37	48	43	48	45	47	39	40	51	42	51	48	47	45	....	47.
Wellsburg	Maximum	92	95	98	97	91	79	93	93	88	83	78	93	90	91	93	86	89	90	81	86	87	82	85	72	80	84	83	85	78	76	....	86.
	Minimum	49	59	57	60	74	60	57	61	65	56	40	45	50	67	62	68	49	71	58	52	51	51	61	51	53	58	60	55	57	54	....	57.
Weston	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Wheeling§	Maximum	96	98	98	101	103	90	78	91	92	80	79	93	90	93	95	89	89	92	81	93	90	89	84	71	81	82	87	85	76	79	...	88.
	Minimum	50	59	62	60	62	66	60	60	63	60	44	47	58	67	64	67	54	62	67	54	57	54	60	54	63	53	60	57	60	52	..	58.
Southern Division																																	
Bluefield	Maximum	87	87	91	90	92	85	...	83	83	81	82	83	87	....	88	84	78	77	77	80	....	86	86	73	72	....	78	81	81	79	....	82.
	Minimum	49	60	64	62	63	58	...	68	61	78	52	56	58	....	60	65	63	66	65	56	....	56	63	62	62	....	58	54	58	69	....	60.
Charleston	Maximum	96	98	102	97	89	92	92	91	88	86	92	89	92	94	84	85	92	83	88	90	91	85	78	78	80	88	88	85	86	....	....	88.
	Minimum	63	64	65	66	67	70	64	66	61	52	53	58	63	65	65	69	69	67	60	62	59	61	67	67	57	56	59	61	64	52	....	62.
Gary§	Maximum	90	91	93	94	92	87	88	92	92	86	88	....	....	....	....	91	86	89	84	92	91	90	72	78	83	83	85	87	88	82	....	87.
	Minimum	54	60	61	61	65	61	62	60	62	60	53	53	53	....	....	....	....	64	67	58	59	59	63	66	66	59	56	60	59	64	....	60.
Hinton§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	[illegible]	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	[illegible]	....	....	....	....
Huntington§	Maximum	87	90	91	93	93	92	90	89	85	83	82	87	84	89	87	83	89	90	87	88	90	90	77	78	78	79	85	84	80	81	....	86.
	Minimum	57	65	66	67	71	70	65	65	70	63	57	57	62	70	70	74	73	73	69	61	65	63	69	69	69	60	60	61	67	65	....	65.
Lewisburg	Maximum	88	90	90	89	92	86	84	84	80	81	79	78	76	82	87	80	85	83	77	80	80	85	76	69	76	76	83	82	84	76	....	81.
	Minimum	48	53	57	59	60	58	60	60	59	55	50	49	52	59	63	64	64	61	61	52	55	54	63	59	64	55	51	57	55	61	....	57.
Marlinton	Maximum	86	88	88	86	81	84	80	80	74	76	78	74	72	84	86	78	78	84	74	78	80	80	64	62	74	78	80	78	78	72	....	78.
	Minimum	44	44	58	62	58	56	58	56	56	50	48	46	46	60	60	60	58	60	60	50	54	52	60	58	58	48	46	54	50	52	....	54.
Point Pleasant	Maximum	93	100	101	102	104	95	90	95	90	89	80	98	92	91	98	90	92	95	91	100	92	98	92	82	80	82	90	85	92	90	....	92.
	Minimum	48	60	60	61	65	65	65	65	70	59	50	50	59	69	67	70	74	70	65	60	60	60	70	67	65	75	56	59	61	58	...	62.
Ravenswood	Maximum	91	92	94	102	102	91	92	92	87	82	79	88	88	92	93	88	89	86	86	85	90	91	84	75	83	79	85	85	84	79	....	85.
	Minimum	51	56	63	61	63	63	64	63	67	60	50	52	60	68	67	64	58	71	63	56	60	56	66	67	69	57	56	57	63	61	....	61.
Robertsburg§	Maximum	92	94	95	99	96	90	89	90	90	82	82	93	93	92	93	81	90	88	82	88	89	90	80	85	80	80	88	85	80	79	....	87.
	Minimum	50	55	60	60	64	65	61	62	59	58	52	51	56	55	65	73	70	69	62	56	60	56	66	66	68	62	56	58	60	60	....	60
Ryan	Maximum	90	93	95	97	97	87	90	90	86	79	80	89	89	90	93	80	89	89	82	87	88	99	90	75	76	77	85	84	89	80	....	86.
	Minimum	45	57	60	58	60	66	62	58	62	54	47	50	51	63	61	68	66	66	61	54	57	53	68	64	62	53	51	56	55	60	....	58.
Spencer§	Maximum	91	93	94	96	96	90	88	90	86	84	81	68	88	89	93	85	89	87	85	89	88	91	76	75	81	81	79	86	81	79	....	86.
	Minimum	48	55	63	61	65	65	65	67	65	62	52	52	60	67	65	74	66	72	62	55	50	57	62	66	66	57	53	59	61	62	....	61.
Summersville	Maximum	....	87	90	89	92	86	86	82	80	82	83	84	80	88	91	83	87	85	80	87	80	72	76	78	83	84	83	80	....	....	....	83
	Minimum	....	56	59	60	62	60	61	59	60	57	48	49	53	60	59	65	63	62	65	52	63	62	67	57	50	54	53	63	....	....	....	58.
Sutton	Maximum	93	98	98	97	96	93	88	90	90	88	85	88	88	93	93	93	88	88	87	88	88	89	89	87	78	82	86	90	99	87	....	89.
	Minimum	47	54	58	53	52	48	48	49	50	52	48	47	48	48	50	51	53	53	52	54	52	55	53	52	53	51	52	54	55	54	....	51.
Union	Maximum	93	94	95	95	96	91	....	91	89	88	85	85	81	....	94	92	85	87	84	87	....	91	89	69	77	79	87	....	88	86	....	87.
	Minimum	42	51	67	56	59	57	....	56	58	52	47	49	55	....	59	63	60	59	63	51	....	51	61	55	62	52	50	....	53	60	....	55.
White Sulphur Spgs§	Maximum	96	97	95	92	97	91	93	87	92	85	79	77	89	91	90	93	92	85	86	88	90	85	72	81	81	88	88	89	84	....	....	88.
	Minimum	56	64	57	59	58	62	62	56	54	42	48	52	59	65	68	66	64	68	55	55	55	63	60	64	52	52	60	54	60	50	....	58.
Williamson§	Maximum	88	89	90	91	91	88	85	85	85	85	80	87	88	89	90	84	88	89	83	85	88	89	71	78	75	77	80	84	81	81	....	84
	Minimum	57	57	64	66	67	66	66	66	66	63	56	56	56	60	68	69	69	68	70	60	63	63	64	68	68	60	60	62	62	65	....	63.

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[WBO. Cleveland, 8-10 25—820]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXIII   PARKERSBURG, W. VA., JULY, 1925   No. 7

GENERAL SUMMARY

While July averaged slightly cooler than usual, the month was characterized by unusually warm weather during the first two decades, the temperature being continuously above and generally much above the normal from the 2d to the 17th. The last two weeks, in marked contrast to the previous conditions, were continuously cool, with temperatures on two or three days near the low July State record. The rainfall was generally near or considerably above the normal and quite favorably distributed, except over the extreme eastern and southern counties, where the amounts received were insufficient. The conditions were generally excellent for growth, especially until the 20th. At the close of the month the outlook for corn was the best for several years. Wheat, oats, meadows, and pastures also made much improvement during the month. The potato crop, however, was much injured by high temperature.

TEMPERATURE

The monthly mean for the State, determined from 51 stations, was 72.2°. The departure from the normal for 41 stations having ten or more years of record was −0.9°. The highest temperatures occurred generally on the 6th and 7th, although the maximum temperatures at most stations were near or above 90° from the 2d to the 17th. At four of the mountain stations light frost was observed on the 1st. The lowest temperatures occurred on the 1st and 29th. A temperature of 35° occurred at Bayard and Terra Alta on the 1st. At Cheat Bridge, Randolph County, a temperature of 31° was registered on the 29th, the lowest of July State record. A light frost was observed at Bayard on the 29th.

PRECIPITATION

The average precipitation for the State, determined from 83 stations, was 5.05 inches. The departure from the normal for 50 stations having ten or more years of record was +0.21 inch. The rainfall was heaviest over the central and north-central counties and lightest over the eastern and extreme southeastern ounties. Most of the rainfall was received on the 2-3d, 5th, -8th, 9-12th, 16-17th, 20th-22d, and 30th-31st, the greatest mounts being measured on the 2-3d, 5th, 8th, and 11-12th.

LIGHT HAIL

Light hail fell in sections of the following counties as noted below: 2d.—Harrison, ewis, Monongalia, Ohio, Wetzel, and Wood. 12th.—Webster. 13th.—Raleigh. 15th.—onongalia. 17th.—Upshur.

MODERATE HAIL

Moderate hail storms occurred on the 2d at Cheat Bridge, Randolph County, and amlin, Lincoln County. Moderate hail fell over a small area at Shepherdstown, fferson County, on the 28th. The storm moved from the south, with path about one-lf a mile in width. Some of the stones were as large as small marbles. Only slight mage resulted from these storms, although fruit and corn was slightly damaged in fferson County, and tobacco in Lincoln County.

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MISCELLANEOUS PHENOMENA

Fog, dense: Arbovale, 4th, 6th, 16th, and 23d; Bancroft, 1st, 2d, 6th, 9th, 19th, 24th, 25th, 27th, and 29th; Elkins, 18th, 19th, and 24th; Mannington, 1st, 3d, 6th, 9th, 13th, 18th, 19th, 23d, 24th, and 29th; Marlinton, 1st, 3d, 10th, 16th, 19th, 20th, 23d, 25th, 26th, and 28th; Parkersburg, 18th.

Frost, light: Davis, Horton, and Terra Alta, 1st; Bayard, 1st and 29th.

Thunderstorms (dates and number of stations reporting): 2d, 22; 3d, 3; 4th, 7; 5th, 5; 6th, 7; 7th, 11; 8th, 5; 9th, 7; 10th, 13; 11th, 3; 12th, 12; 13th, 5; 14th, 1; 15th, 1; 16th, 9; 17th, 7; 22d, 1; 25th, 2; 26th, 1; 28th, 5; 29th, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity: Miles per hour	Max. velocity: Direction	Max. velocity: Date
Cincinnati, Ohio	29 96	78	56	60	303.5	67	4,274	5.7	32	sw.	2
Columbus, Ohio	29.99	77	53	61	306.0	67	6,162	8.3	49	nw.	4
Elkins	29.98	87	62	78	245.3	54	2,691	3.6	34	w.	7
Lexington, Ky	29.98	77	64	....	244.0	54	7,961	10.7	52	nw.	3
Parkersburg	29.99	78	53	64	273.0	60	2,904	3.9	30	nw.	4
Pittsburgh, Pa	29.96	76	55	62	252.5	55	6,326	8.5	44	nw.	16
Wytheville, Va	29.95	79	54	66	287.0	64	3,837	5.2	26	n.	13

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	67.5	......	......	5.59	......	......		......	......	......
1892	73.4	98	41	4.20	......	......	......	......	......	......
1893	73.8	98	42	2.96	5.95	1.37	......	20	10	1
1894	73.3	100	36	2.21	4.84	0.50	......	10	19	2
1895	70.5	99	39	4.35	7.04	1.65	......	11	13	7
1896	73.3	97	46	9.07	15.70	2.91	......	9	12	10
1897	74.2	102	46	5.43	9.92	2.85	......	11	12	8
1898	75.0	103	40	4.46	8.33	1.53	......	12	7	12
1899	73.3	100	33	3.78	7.92	0.20	......	14	10	7
1900	74.7	104	41	4.38	7.88	1.72	......	15	11	5
1901	77.4	104	47	3.16	6.21	0.69	......	14	12	5
1902	74.2	104	45	3.54	8.42	0.96	......	14	12	5
1903	72.5	100	37	3.74	8.30	1.82	......	16	10	5
1904	71.5	97	42	3.28	6.00	1.04	......	14	12	5
1905	73.3	98	43	5.92	10.64	3.00	......	12	11	8
1906	72.4	98	45	4.54	7.40	1.50	......	12	11	8
1907	72.7	98	42	6.66	13.36	1.99	......	12	14	5
1908	74.0	100	41	5.21	9.43	2.08	......	14	13	4
1909	70.2	96	36	4.17	10.50	0.60	......	14	11	6
1910	73.8	98	41	4.92	13.16	0.54	......	13	12	6
1911	73.3	106	40	2.82	6.94	0.40	......	16	12	3
1912	72.0	100	45	7.48	15.22	2.67	......	12	12	7
1913	74.2	103	40	5.80	10.07	2.14	......	15	12	4
1914	73.1	106	38	4.11	7.74	0.98	......	16	10	5
1915	71.9	99	38	4.63	11.31	1.82	......	12	11	8
1916	74.8	102	42	3.49	9.47	1.06	......	16	8	7
1917	72.6	104	44	4.83	8.27	1.25	......	14	10	7
1918	70.8	101	38	3.18	6.90	1.04	......	17	7	7
1919	74.3	104	41	5.51	13.08	1.96	......	18	7	6
1920	70.1	99	40	4.84	8.94	2.34	......	16	8	7
1921	75.6	101	44	3.58	8.90	1.08	......	16	10	5
1922	72.9	99	43	4.53	8.05	1.33	......	15	8	8
1923	71.7	100	37	4.70	9.46	2.22	......	16	8	7
1924	70.0	99	36	4.49	7.63	1.65	......	16	9	6
1925	72.2	102	31	5.05	7.84	1.08	......	13	11	7
Means and extremes	72.9	106	31	4.59	15.70	0.20	......	14	11	6

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., July, 1925

See temperature and precipitation data in Climatological Tables, Pages 26, 27, and 28

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
arksburg	Evaporation	.227	.177	.313	.201	.220	.178	.354	.176	.199	.187	.096	.146	.243	.245	.223	.244	.162	.154	.150	.135	.045	....	.225	.245	.215	.195	.178	.142	.190	.171	.140	5.776
	Wind movement	81	6	39	17	27	17	30	36	23	29	27	20	32	47	36	22	47	40	32	18	20	30	41	42	25	30	63	38	64	31	37	1,047

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for July, 1925

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,700	24	67.8	+ 0.2	91	6	35	1	47	6.34	+1.40	1.87	0	14	18	7	6	w.	U. G. Clark
Brandywine††	Pendleton	...	9	70.4	− 0.5	92	4†	42	30	41	2.90	−0.59	0.80	0	7	22	5	4	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	36	...	...	...	...	...	...	...	1.61	−1.88	0.60	0	6	...	...	...	...	J. C. Newcomer
Inwood	Berkeley	569	3	72.6	...	97	7	40	19	46	4.82	...	1.65	0	9	17	11	3	nw.	H. W. Prettyman
Martinsburg	Berkeley	435	33	76.6^{a}	+ 1.3	100^{a}	6†	50	1	37^{a}	2.42	−1.40	0.80	0	10	16	14	1	e.	Dr. H. S. Gardner
Moorefield	Hardy	900	29	73.5	− 0.7	99	7†	40	1	47	4.53	+1.14	1.40	0	12	29	1	1	...	M. S. Henkel
Piedmont	Mineral	919	12	70.3	− 1.4	90	7	43	1	37	3.97	+0.28	1.41	0	9	14	10	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	27	74.4^{c}	− 0.5	98^{c}	6	41^{b}	1	44^{d}	2.08	−1.46	0.80	0	5	7^{b}	15^{b}	7^{b}	...	Richard A. Bergdoll
Stony River Dam	Grant	3,300	5	...	...	...	...	...	...	...	3.04	...	1.09	0	11	10	1	20	w.	A. C. Becker
Upper Tract	Pendleton	1,230	26	65.8^{i}	...	90^{i}	7†	41^{i}	1	38^{i}	3.10	−0.70	2.00	0	6	15^{f}	0^{f}	10^{f}	w.	J. M. Mallow
Wardensville††	Hardy	1,200	7	70.6^{a}	...	95^{a}	6	41	1	42^{a}	5.76	...	1.50	0	11	14	12	5	w.	Luther F. Sutton
Averages and	**extremes**	...	...	71.6	− 0.2	100	6†	35	1	47	3.55	−0.37	2.00	0	9	16	8	7	w.	
Northern Division																				
Aberdeen	Upshur	1,060	1	...	...	...	...	...	...	...	6.38	...	1.15	0	16	3	21	7	nw.	L. Else Bond
Bens Run	Pleasants	622	23	73.3	− 1.6	90	4†	49	1†	34	5.12	+0.57	2.35	0	14	15	12	4	...	J. D. Riggs
Benson	Harrison	1,080	2	72.0	...	95	6	41	29	41	6.22	...	1.27	0	14	4	24	3	...	R. D Marts
Brownsville	Lewis	1,032	2	73.6	...	97	7	42	1†	46	7.81	...	1.79	0	14	5	21	5	...	S. L. Montgomery
Bruceton Mills	Preston	1,549	5	...	...	...	...	...	...	...	7.84	+2.54	2.16	0	11	1	22	8	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	28	70.6	− 1.4	88	6	46	29	32	5.80	+0.46	1.60	0	11	19	9	3	...	H. A. Darnall
Cheat Bridge††	Randolph	3,558	7	59.9^{a}	...	85^{a}	1	31	29	45^{a}	4.50	...	1.10	0	12	17	8	6	...	H. F. Cromer
Clarksburg	Harrison	1,015	3	73.9^{a}	...	98^{a}	6	46	1†	41^{a}	5.38	...	2.29	0	11	7	17	7	sw.	Clarksburg Water Boa
Cortland	Tucker	3.300	14	...	...	...	...	...	...	...	6.43	+0.43	1.30	0	9	5	18	8	...	G. W. Harmon
Crawford	Lewis	1,087	2	...	...	...	...	...	...	...	6.74	...	1.56	0	17	8	19	4	...	George W. Blair
Creston	Wirt	701	23	73.6	− 1.0	95	2†	45	1†	45	4.71	+0.69	1.25	0	9	12	6	13	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	786	4	...	...	...	...	...	...	...	5.60	...	2.29	0	12	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	614	9	...	...	...	...	...	...	...	5.84	...	1.68	0	13	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	605	9	...	...	...	...	...	...	...	6.16	...	2.00	0	12	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	839	4	...	...	...	...	...	...	...	5.80	...	2.54	0	14	...	...	...	...	Lockmaster
Davis	Tucker	3,093	16	...	...	...	...	...	...	...	4.84	−0.72	1.71	0	15	7	20	4	w.	Ross C. Male
Elkins	Randolph	1,947	24	69.2	− 1.1	90	6	44	29	36	4.81	+0.17	1.96	0	17	1	21	9	w.	U. S. Weather Bureau
Evenwood	Randolph	...	0	...	...	...	...	...	...	...	6.07	...	1.85	0	15	1	26	4	...	Claude A. Cunningha
Fairmont	Marion	883	19	74.3	+ 0.1	96	6	48	18†	37	6.40	+1.67	2.94	0	11	23	3	5	w.	Creed E. Bolyard
Glenville	Gilmer	738	31	75.6	+ 0.7	97	12	46	1	46	7.08	+1.79	1.82	0	9	14	14	3	w.	Howard R. Brannon
Grafton (near)	Taylor	1,000	32	70.0^{a}	− 2.8	95^{a}	6	36	1	48^{a}	5.36	+0.37	1.92	0	13	9	10	12	w.	Curtis Boice
Horner	Lewis	1,044	2	...	...	...	...	...	...	...	6.72	...	1.66	0	13	22	4	5	...	Thomas E. Miles
Horton	Randolph	2,775	0	...	...	...	...	...	...	...	3.08	...	0.80	0	13	3	14	14	sw.	J. W. White
Janelew (near)	Lewis	1,020	2	72.6	...	96	7	43	1	43	7.12	...	1.40	0	11	17	10	4	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	27	71.5	− 0.7	95	6	40	29	45	6.19	+1.41	1.71	0	13	13	13	5	w.	Allen Smith
Mannington	Marion	974	22	70.2	− 1.8	90	6	44	1†	36	6.73	+1.76	1.90	0	16	11	11	9	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	32	72.1	− 1.4	94	6	45	1	37	6.18	+1.11	1.53	0	11	8	18	5	...	Prof. E. L. Andrews
Moundsville	Marshall	642	22	72.8^{a}	− 1.4	96^{a}	5	49	17†	33^{a}	5.45	+0.98	1.64	0	9	13	10	8	sw.	Fred N. Wilson
New Cumberland	Hancock	987	27	71.2	− 1.6	94	9	46	1	36	4.28	−0.01	1.25	0	12	16	7	8	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	31	72.6	− 2.7	98	6	44	1	43	5.02	+0.22	1.35	0	13	10	12	9	s.	Wm. Ankrom
Parkersburg	Wood	638	38	74.5	− 0.9	96	6	50	29	32	5.44	+0.78	2.79	0	12	8	11	12	sw.	U. S. Weather Bureau
Parsons††	Tucker	1,656	25	70.2	0	100	6	46	1	40	5.87	+0.75	...	0	...	16	7	8	...	J. W. Swisher
Philippi	Barbour	1,149	28	71.6	− 0.8	92	6	45	29	38	6.21	+1.23	1.63	0	12	10	11	10	w.	Prof. W. B. Pimm
Pickens	Randolph	2,697	22	67.0^{a}	− 1.4	90^{a}	2	38^{a}	28	37^{a}	6.46	+0.09	1.30	0	10	14	11	6	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	2	...	...	...	...	...	...	...	7.15	...	1.50	0	12	5	24	2	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	38	...	...	...	...	...	...	...	6.28	+1.26	1.98	0	13	...	...	...	...	J. F. Pierce
Saint Marys	Pleasants	577	16	...	...	...	...	...	...	...	6.32	+2.21	2.55	0	11	...	...	...	sw.	Wm. Hughes
Smithfield	Wetzel	835	19	74.4	+ 2.3	97	6	49	24	33	6.14	+0.75	2.42	0	13	18	5	8	se.	G. M. Whisler
Terra Alta	Preston	2,612	24	64.0	− 5.1	86	6	35	1	39	5.15	−0.41	1.05	0	16	5	9	17	sw.	J. J. Shanahan
Valley Chapel	Lewis	1,011	2	74.1	...	97	6†	45	29	41	6.79	...	1.42	0	14	14	16	1	w.	J. C. Campbell
Vandalia	Lewis	1,120	2	...	...	...	...	...	...	...	6.07	...	1.50	0	8	...	...	...	...	Miss Phyllis West
Wellsburg	Brooke	1,225	24	71.4	− 0.4	94	9	43	1	39	4.49	−0.10	1.17	0	12	14	12	5	w.	George P. Pfister
Wheeling	Ohio	645	38	73.2^{a}	− 1.7	98^{a}	6	46	1†	43	6.36	+1.76	1.56	0	13	9	16	6	w.	Miss M. B. Forsyth
Wymer	Randolph	...	...	...	...	...	...	...	...	...	5.17	...	1.25	0	10	18	0	13	e.	T. R. Ratzer
Averages and	**extremes**	...	...	72.0	− 1.2	98	6	31	29	48	5.93	+0.84	2.94	0	13	10	14	7	w.	
Southern Division																				
Arbovale	Pocahontas	2,737	...	...	...	...	...	...	...	...	6.67	...	1.74	0	17	18	10	3	w.	H. S. Sutton
Bancroft	Putnam	574	21	71.2	− 3.6	95	11	49	29	36	4.02	−0.02	1.00	0	8	22	0	9	se.	R. E. Dent
Beckley	Raleigh	2,440	25	72.5	+ 1.2	91	7	51	17	28	4.15	−0.08	1.45	0	7	16	9	6	w.	K. E. Williams
Bluefield††	Mercer	2,558	30	71.5^{e}	0	89^{e}	3	49^{e}	29	29^{e}	4.55	+0.08	2.50	0	10	13^{d}	5^{d}	9^{d}	...	Norfolk & Western
Camden-on-Gauley	Webster	2,062	10	...	...	...	...	...	...	...	2.30	...	1.10	0	3	20	0	11	s.	Miss Katie Jarvis
Charleston	Kanawha	597	22	74.2^{a}	− 2.3	96^{a}	5	48	28	38	4.25	+0.03	1.68	0	9	19	0	12	...	R. O. Fields
Clay	Clay	706	9	...	...	...	...	...	...	...	6.79	...	1.99	0	12	...	...	...	...	Ted Thomas
Dam 6 G. K.	Kanawha	...	...	...	...	...	...	...	...	...	2.60	...	0.65	0	12	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	557	9	...	...	...	...	...	...	...	4.77	...	2.60	0	9	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	551	9	...	...	...	...	...	...	...	4.28	...	1.87	0	8	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	505	9	...	...	...	...	...	...	...	3.92	...	1.70	0	6	...	...	...	...	U. S. Engineer Offic
Gary	McDowell	1,426	9	75.0^{a}	...	93^{a}	9	49^{a}	29	38^{b}	2.59	...	1.13	0	13	...	...	...	...	U. S. Coal & Coke Co
Green Sulphur Springs	Summers	1,600	28	76.0	+ 3.5	92	4†	48	29†	36	6.12	+2.28	1.05	0	11	6	8	17	w.	W. H. Gwinn
Hinton	Summers	1,450	28	76.4^{a}	+ 2.3	95^{a}	9	54	30	29^{a}	4.06	+0.11	1.30	0	10	14	9	8	...	Mrs J. R. Baber
Huntington	Cabell	538	31	74.3	− 2.1	94	2	52	29	33	5.05	+0.84	1.57	0	9	15	5	11	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	6	...	...	...	...	...	...	...	4.94	...	1.25	0	8	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	9	...	...	...	...	...	...	...	4.60	...	1.64	0	14	...	...	...	...	Cabin Creek Con. Co
Lewisburg	Greenbrier	2,200	25	70.6	− 0.4	91	6	43	29†	37	2.57	−1.51	0.78	0	13	20	6	5	nw.	Geo. T. Argabate
Logan	Logan	700	22	...	...	...	...	...	...	...	4.08	−1.82	1.09	0	7	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	26	66.0	− 2.6	88	4†	40	29	34	6.40	+1.07	1.66	0	15	3	27	1	sw.	S. L. Brown
Point Pleasant	Mason	553	32	76.1	− 0.3	102	6	50	1†	40	4.80	+0.79	1.20	0	7	19	0	12	s.	Miss Grace E. Hens
Powellton	Fayette	933	28	...	...	...	...	...	...	...	3.34	−1.15	0.80	0	14	...	...	...	...	Elkhorn-Piney Coal
Ravenswood (Dam 22)	Jackson	538	10	73.6	...	95	2†	42	29	40	7.20	...	3.40	0	8	17	0	14	se.	Lockmaster
Robertsburg	Putnam	574	25	72.8	− 2.6	95	3	46	1†	42	2.92	−0.82	0.85	0	6	20	0	11	...	M. Frazier
Ryan	Roane	700	22	71.8	− 0.5	94	2†	42	29	41	4.14	−0.42	0.97	0	14	9	15	7	...	Wm. E. Ryan
Sharples	Logan	...	5	...	...	...	...	...	...	...	6.44	...	1.50	0	10	...	...	...	...	E. H. Locke
Spencer	Roane	784	21	72.5	− 1.1	94	6	45	29	39	3.92	−0.37	1.25	0	8	2	26	3	...	A. M. McKown
Summersville^{b}	Nicholas	1,894	1	71.4	...	94	6	41	29	38	4.24	...	0.99	0	9	12	4	13	...	J. O. McMillion
Sutton	Braxton	839	19	70.1	− 6.2	95	4†	44	18	43	7.38	+2.21	1.25	0	13	18	0	13	...	C. B. Eakle
Union^{d}	Monroe	2,250	21	72.5	+ 1.5	96	6	42	29†	45	1.08	−3.54	0.27	0	6	13	12	2	...	W. M. H. Young
Wayne	Wayne	598	...	...	...	...	...	...	...	...	4.31	...	1.17	0	11	...	...	...	...	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,940	15	72.8^{a}	+ 2.2	94^{a}	5†	42	28†	43^{a}	1.61	−3.44	0.55	0	8	26	0	5	...	E. J. Comar
Williamson	Mingo	660	25	73.6	− 1.9	91	6	53	29†	30	2.25	−2.01	0.62	0	10	27	3	1	w.	J. F. Keyser
Averages and	**extremes**	...	...	72.8	− 0.8	102	6	40	29	45	4.31	−0.44	3.40	0	10	16	7	8	w.	
State averages and	**extremes**	...	...	72.2	− 0.9	102	6	31	29	48	5.05	+0.21	3.40	0	11	13	11	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are u
determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for July, 1925

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac			1.17		.06		.04	.10		.26	1.21	.63	.11				.29				.17	1.87	.04		T.	.18		T.			.21	6.31
Brandywine	do		T.		.25	.15			T.	.80						T.		.15			.05	.75										.75	2.90
Burlington	do																																
Harpers Ferry‖	do					.02		.41	T.	.11													.60				.24					.23	1.61
Inwood	do				.25		.03		1.00	.02	.35											.95	.42						.15			1.65	4.82
Martinsburg‖	do					.12		.37	.32								.05	T.				.30	.80					.02	.08	.06		.30	2.42
Moorefield	do		.40			.18	.17		.07	.55	.11	.03		.05		.12			.08			1.40										1.37	4.53
Piedmont	do		.89		T.				T.	.20	.09		.20				.06					1.41	.16						.27			.69	3.97
Romney‖	do												.18				.10				.60	.80									.40		2.08
Stony River Dam‖	do			.44		.20			.20	.02	.07	.25	.07	.06					.20			.44	1.09										3.04
Upper Tract	do		.20				.10	T.								.20		T.			.10	.50										2.00	3.10
Wardensville‖	do			.10		.50			.15	T.			.20	.35				.45	.36		.55	1.45	.15									1.50	5.76
Northern Division																																	
Aberdeen	Monongahela		.41	.43		.42			.40	.19	.30	.17	.06	.02				1.11	.04		.03	1.00	.95			T.			.55			.30	6.38
Bens Run	Ohio	.28			.25	.02	.12			.47	.16	.26	.01				.56	.04			.21	2.35	.25						T.			.14	5.12
Benson	Monongahela			1.18		.35			.10	.22	.62	.04	.16	.50				.45			.20	1.27	.78						.05			.30	6.22
Brownsville	do	T.	T.	1.79		.20			.39	.25	.23		.60	1.52				.26	.20		.13	1.23	.66			T.			.02			.33	7.81
Bruceton Mills	do		1.07	T.	.15		.47	.39	T.	T.	1.18	T.	T.				.22	T.			T.	2.16	1.03				.09	T.	.12		T.	.96	7.84
Buckhannon	do		1.60			.41		.40		T.	.35		.06				T.	.44			.12	1.52	.34					T.	.22			.34	5.80
Cheat Bridge‖	Monongahela			1.09		T.	.11	.05			1.10	.30	.29	.31				.12				.24	.43							.01		.45	4.50
Clarksburg‖	do			2.29		.33					.02	.34	.10					.08	.09			.18	1.75							.08		.12	5.38
Cortland‖	do		.45							.70		.85					.75	.25			.78	1.30									1.15	.20	6.43
Crawford	do			1.15		.48		.17	.42	.61	.20	.03	.06	.84				.41	.04		.10	1.56	.24			.01			.02			.40	6.74
Creston‖	Little Kanawha			.48		1.25	T.				.33	.44		.05				.41	T.		T.	.42	1.23									.10	4.71
Dam 10, Mon. R.‖	Monongahela			1.32		.19			.47		.21	.46	.21					.17	.03			.16	2.29				.05					.04	5.60
Dam 12, O. R.‖	Ohio			.67		.42		.27	.30		.37	.62	.36					1.68	.01			.25	.76				.02					.11	5.84
Dam 13, O. R.‖	do			.20		.16		.16	.30		.93	2.00	.40					.58	.01			.22	1.05									.15	6.16
Dam 15, Mon. R.‖	Monongahela			1.67		.16		.04	.32	.03		.26	.02					.28	.22			.11	2.54				.03			.04		.08	5.80
Davis‖	do			.55		.05			.03	.01	T.	.66	.19	.20				.09	.20			.36	1.71				.11		.03	.04		.61	4.84
Elkins ***	do		.70		.11	.01		.06	.01	T.	.48	.27	.03			.05	.29	.19			.04	1.96	.02			T.	T.		.02		.07	.50	4.81
Evenwood‖	do		.43		.16				.30	.10	.30	.41	.21			.27	.25	.44			.10	1.85	.26						.18			.81	6.07
Fairmont‖	do			1.60		.15		.25	.30	T.	T.	.33						.42	.15			.14	2.94				.01			T.		.11	6.40
Glenville‖	Little Kanawha			1.82		.36		.06				.52	.10					.10	1.00			1.82	1.30										7.08
Grafton (near)‖	Monongahela			1.04	.24			.04	.20		.19	.49	.07				.17		.17			1.92							.25	.12		.46	5.36
Horner	do			1.66		.25			.40	.03	.70		.13	.70				.40			.08	1.12	.75						.15			.35	6.72
Horton	Monongahela		.08		.07	.10	.07		.05		T.		.36			.16	.36	.15			.05	.80	.08									.75	3.08
Janelew (near)	do			1.37		.55				.44	.14			.20				.90			.10	1.40	.90						.82			.30	7.12
Lost Creek	do		1.71					T.		1.04	.29	.31	.28	.03			.04	.22			.05	1.27	.48						.02		T.	.45	6.19
Mannington	do		1.90		.08	.09	.06	.38	.27		.40		.02				.18	.03			.01	1.38	1.64				.01		.12			.16	6.73
Morgantown	do		1.53		.10	T.		.45	T.	.32	.42		.10				.20	T.			T.	1.30	1.10				.19					.47	6.18
Moundsville‖	Ohio		1.00		.39			.08		.36	1.64	.20										1.55									.20	.03	5.45
New Cumberland‖	do		.05			.60			.25		.27	.24						.65				.21	.40				1.25		.20		.04	.12	4.28
New Martinsville	do		.40		.20	.05		.55	.12		.30	.05					.25	.25				1.35	1.25				.15					.10	5.02
Parkersburg ***	do		.11		.03	.01		T.		.01	1.64	T.	T.	T.			.35	.26			.20	2.77	.02			T.			T.		.03	.01	5.44
Parsons	Monongahela				T.			T.	T.		*	2.94					*	*			*	*	*				*		*		*	2.93	5.87
Philippi	do		1.10		.05	.02				T.	.65	.42	.63				.14	.08			T.	1.63	93			T.			.05			.51	6.21
Pickens	do		1.30		.10						.52		.75	.15			.92	.90			.23	.93										.66	6.46
Roanoke	do			1.19	.07			.05	.60		.90	.17	1.00					.60			.12	1.50	.56									.39	7.15
Rowlesburg‖	do			.78		.19				.06	.37	.75	.25	.60				.54	.04			.16	1.98							.33		.23	6.28
Saint Marys‖	Ohio			.40		.33					.02	1.60	.37					.27	.43		.04	.22	2.55				T.					.09	6.32
Smithfield‖	Fishing Creek			2.42			.29	.24	.20	.23	.12	.02	.03					.44	.03			.30	1.70									.12	6.14
Terra Alta	Monongahela		.79					T.	.11		.92	.02	.13				.05	.12	.01		.04	1.05	.72			.01	.15	.25	.04		T.	.74	5.15
Valley Chapel	do			1.42		.49		.20			.30	.14	.06	.21				.70	.03		.09	1.18	.78						.85			.34	6.79
Vandalia	do			1.00		.12					1.10	.08		1.50				.40				1.12		.75									6.07
Wellsburg	Ohio		.60		.40	.04		.12	.13		1.17						.40	.04				.49	.38						.30			.42	4.49
Wheeling‖	Ohio			.40	T.	.24		.29	.50		.35	.72	.84					1.52	.04			.33	1.00				.01					.12	6.36
Wymer	Monongahela		.38			.04			.56		.35	.23	.12					T.	.75			.50	1.25									.99	5.17
Southern Division																																	
Arbovale	Great Kanawha		.86		.28	.10	.38	.08	.66	1.01		.17	.10	.01		.17	.12	.01				.87	.10						.01			1.74	6.67
Bancroft‖	do			.18		1.00			.26			.83							.14			.62	.94									.05	4.02
Beckley	do			1.45			.99			.14				.36				.83			.25	.13											4.15
Bluefield	do		.20	2.50			.75	.30	.04	.30			.37								.02	.03	.04										4.55
Camden-on-Gauley‖	do					.80							1.10									.40											2.30
Charleston‖	do			1.10	.30			.04					.65								1.68	.36	.02					.04			.06		4.25
Clay‖	do			1.99		.83					.93	.75			.73			.07	.03			.55	.48						.32	.01		.10	6.79
Dam 6 G. K.‖	do			.40	.03	.32			.15	.06		.35						.05	.09			.65		.36					.12			.02	2.60
Dam 19 O. R.‖	Ohio			.68		.13			T.		.10	.46						.21	.19		T.	.35	2.60									.05	4.77
Dam 20 O. R.‖	do			.05		.54						.82						.25	.17			.55	1.87									.03	4.28
Dam 26 O. R.‖	do					.60			.20		1.70	.12										.65	.65										3.92
Gary‖	Big Sandy			.59		.02		.16	1.13		.02	.11		.03		.10						.05	.31	.02			.03					.02	2.59
Green Sulphur Spgs.	do			.85			.90	.75	.35	.75				T.	.45		.38	.15		1.05				.17								.32	6.12
Hinton‖	do			.57				1.30				.20	.06	.39	.50		.53	.18				.27	.06										4.06
Huntington‖	Ohio			.68	.14	1.04			1.57			.18	.02					.46	T.			.62	.34									T.	5.05
Kanawha Falls‖	Great Kanawha			.75				1.25	1.03			.72	.23		.58			.18					.20										4.94
Kayford‖	do			.99		.04	.08	.09	.01	.01	.03		.05	1.64	.52			.87				.12	.14									.01	4.60
Lewisburg	do		.34		.05	.16		.78	T.	.48			.11			.12	.06			.21	.08	.02			.08							.08	2.57
Logan‖	Guyandotte			.92		.28			T.			.84	T.		1.09			.90	.03				.02									T.	4.08
Marlinton	Great Kanawha		.64			.98	.11	.13	1.08	.18		.08	.12	.06	.32	.08		.20	T.		T	.52	.24						T.			1.66	6.40
Point Pleasant‖	Ohio			1.10		.40			.70			.20						.40				.80	1.20										4.80
Ravenswood (Dam 22	Ohio			3.40		.55			.20			.53		.05				.75				.20	1.52										7.20
obertsburg‖	Great Kanawha			.53		.85			.17			.41										.45	.51										2.92
yan	do		.68		.54	.10		.01		.53	.52	.11					.35	.10			.05	.97	.06			T.			.02		T.	.10	4.14
harples‖	Coal River			.88		1.44			.59			.13		.81	.66			1.20	.30				.31									.12	6.44
pencer‖	Great Kanawha			1.25							.15	.17		.10				.87	.07				1.21			T.						.10	3.92
ummersville	Gauley			.99		.79				.50	.80	.10	.10	.15							.23		.58										4.24
utton	Great Kanawha		1.20			.36		.60	.30		.30	.20		1.25			1.20	.15			.27	.85	.38									.32	7.38
nion	do			.25										.21	.05			.20				.27				.10							1.08
ayne‖	Big Sandy			.45	.05	.46		1.14	.03	.04		.05			.25			.98				.56	.30										4.31
hite Sulpr. Spgs.‖	Great Kanawha		.45					.25					.10	.05		.15					.55	.05										.01	1.61
illiamson‖	Big Sandy			.62		.45			.10			.05	T.		.62			.02				.07	.15			T.	.15					.02	2.25

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for July, 1925

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	82	80	82	86	87	91	89	88	87	83	84	85	80	79	87	86	79	70	78	78	73	76	75	81	83	83	77	77	71	76	73	80.8
	Minimum	35	52	60	55	60	58	63	64	62	66	67	63	60	49	52	54	60	44	40	57	60	64	47	41	52	58	61	57	38	43	56	54.8
Brandywine	Maximum	86	89	88	92	91	92	92	90	89	90	92	89	88	87	88	87	80	75	78	75	78	84	83	82	85	84	80	81	75	68	70	84.1
	Minimum	45	52	59	61	63	64	65	66	68	64	62	67	64	56	59	60	58	43	44	49	61	62	52	52	58	60	55	53	50	42	48	56.8
Burlington	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Inwood	Maximum	80	86	88	90	90	94	97	95	82	90	92	94	89	85	82	94	89	83	86	88	85	87	86	85	88	89	83	86	78	84	79	87.2
	Minimum	47	55	56	55	68	69	70	69	64	68	67	65	60	59	60	60	62	45	40	47	58	60	52	46	57	58	63	57	51	50	59	58.0
Martinsburg§	Maximum	84	93	89	93	93	100	100	94	81	91	98	99	94	90	90	98	85	83	85	88	80	88	89	89	91	92	85	89	82	86	...	90.0
	Minimum	50	56	64	63	69	71	69	70	70	71	75	73	68	63	63	65	65	54	51	56	66	66	60	55	62	66	67	60	55	54	60	63.1
Moorfield	Maximum	83	94	89	97	96	96	99	99	97	95	96	96	92	88	90	97	95	92	87	82	85	87	86	86	87	94	90	89	83	84	80	90.7
	Minimum	40	56	60	58	63	64	65	69	64	64	66	64	60	55	55	58	58	45	43	48	60	63	52	48	56	60	56	54	42	45	55	56.3
Piedmont	Maximum	80	80	80	88	88	88	90	86	83	83	88	88	81	83	83	88	73	76	76	79	74	78	76	80	85	85	76	80	73	76	70	81.1
	Minimum	43	56	62	60	66	66	69	67	66	70	71	67	64	56	57	64	63	46	47	54	64	65	55	49	54	61	64	56	49	56	58	59.5
Romney	Maximum	85	87	95	95	92	95	97	93	88	92	94	90	88	87	91	95	...	...	83	80	84	85	83	86	90	89	84	86	79	83	...	88.5
	Minimum	41	59	59	61	82	66	71	67	65	69	70	69	63	54	55	60	63	...	...	46	64	64	56	48	59	63	63	56	47	49	59	60.4
Upper Tract	Maximum	79	79	84	89	...	89	90	90	...	...	...	...	79	...	70	...	76	75	75	78	70	72	79	...	82	81	78	...	72	73	73	78.8
	Minimum	41	42	58	66	...	...	...	65	...	...	...	...	63	...	55	...	...	48	46	47	52	51	52	...	51	59	58	...	44	47	58	52.8
Wardensville§	Maximum	83	71	84	90	88	95	92	87	90	92	91	90	83	85	88	91	89	90	80	81	82	85	87	88	87	83	85	89	86	81	...	86.4
	Minimum	41	54	59	60	59	57	65	65	65	60	61	62	62	54	56	53	60	55	46	45	44	48	49	51	49	50	51	49	53	57	54	54.7
Northern Division																																	
Bens Run	Maximum	83	89	88	90	89	89	87	87	89	85	89	90	83	86	80	85	75	79	83	72	70	82	82	84	89	89	80	76	78	78	77	83.3
	Minimum	49	58	66	68	66	71	72	73	71	73	74	71	69	57	61	64	62	51	56	60	66	67	60	56	67	67	65	55	49	59	58	63.3
Buckhannon	Maximum	79	85	82	86	83	88	87	83	82	85	83	84	84	79	85	86	77	71	76	75	73	78	76	79	82	79	76	79	72	73	74	80
	Minimum	47	59	65	64	66	66	67	69	65	69	69	72	64	59	63	64	58	53	49	57	67	67	58	52	62	65	62	58	46	55	61	61.2
Clarksburg	Maximum	87	91	90	94	92	98	96	93	93	86	93	90	86	87	90	94	74	79	86	77	72	81	79	88	90	83	80	83	77	83	...	86.4
	Minimum	46	57	66	64	67	68	70	70	69	73	71	71	65	56	61	62	62	52	51	55	63	67	58	53	59	66	63	58	46	52	61	61.
Creston	Maximum	90	95	91	92	90	95	93	92	90	88	92	93	87	85	91	92	77	80	86	77	72	83	83	86	91	84	82	78	81	81	80	86.
	Minimum	45	55	66	65	65	68	68	69	71	71	69	70	66	56	60	60	59	54	50	56	65	68	58	51	58	65	60	59	45	53	60	60.8
Elkins	Maximum	80	93	86	87	84	90	88	82	87	83	84	84	81	81	85	85	70	70	75	77	69	76	75	82	83	78	75	77	70	75	75	79.9
	Minimum	44	59	62	61	65	64	66	66	67	68	70	70	61	57	61	57	52	49	48	54	62	57	54	51	59	64	62	51	44	48	58	58.
Fairmont§	Maximum	86	86	89	90	91	96	93	91	91	84	92	94	90	88	94	90	77	85	86	77	74	84	82	87	89	84	80	81	81	82	73	86.
	Minimum	62	62	69	60	61	68	70	70	70	72	70	71	70	65	67	65	60	48	50	55	63	67	62	56	58	63	64	60	48	53	59	62.
Glenville	Maximum	92	90	95	92	92	96	95	93	92	90	93	97	92	87	95	91	88	82	85	87	80	89	84	89	94	90	90	85	84	81	80	89.
	Minimum	46	54	64	63	64	68	66	68	70	68	67	68	65	56	69	62	68	53	60	58	65	67	59	53	61	63	69	60	50	54	60	61.
Grafton (near)	Maximum	84	87	88	90	92	95	93	91	92	87	91	92	87	85	91	91	78	79	81	80	76	82	81	86	88	83	81	80	79	82	...	85.
	Minimum	36	49	60	67	60	62	61	63	63	66	66	62	58	48	54	55	56	45	45	50	49	59	52	46	52	58	57	54	41	43	42	54.
Lost Creek	Maximum	86	90	90	92	93	95	92	90	93	85	90	89	87	87	90	89	76	78	85	81	71	83	81	88	89	84	79	79	77	80	77	85.
	Minimum	41	55	62	62	64	64	65	67	65	68	68	65	62	53	57	60	57	48	47	52	62	65	54	47	56	62	59	53	40	48	58	57.
Mannington	Maximum	80	83	84	85	85	90	87	85	88	83	87	88	83	81	86	87	74	76	78	77	72	78	77	80	83	79	77	78	74	78	76	81.
	Minimum	44	54	63	63	65	66	67	69	67	71	69	69	66	54	58	58	60	45	49	53	65	67	57	48	54	61	61	56	44	52	59	59.
Morgantown	Maximum	82	81	85	88	88	94	88	85	90	81	88	89	83	84	89	88	73	77	81	78	72	79	78	84	85	79	76	80	75	77	73	82.
	Minimum	45	62	64	67	65	68	70	69	69	71	71	71	66	56	64	67	62	47	53	62	65	68	57	54	58	65	64	59	46	55	60	61.
New Cumberland§	Maximum	82	86	87	88	88	93	92	87	94	85	89	88	80	88	91	87	73	80	82	83	77	80	78	85	85	78	79	72	76	80	68	83.
	Minimum	46	50	56	61	65	67	72	71	63	69	68	68	60	53	61	65	61	47	51	53	60	66	56	52	55	58	63	59	49	52	57	59.
New Martinsville	Maximum	87	90	92	92	92	98	93	91	91	87	92	92	86	86	93	92	78	81	87	83	86	83	80	87	89	81	81	78	80	81	80	86.
	Minimum	44	54	59	62	62	61	66	66	66	68	67	67	66	53	55	58	58	48	61	54	63	64	55	51	52	60	61	56	45	52	57	58.
Parkersburg	Maximum	86	93	88	90	89	96	91	89	91	87	91	93	85	82	90	91	74	78	82	74	71	82	80	83	89	80	80	75	79	79	79	84.
	Minimum	54	63	68	70	68	72	74	72	72	72	74	74	68	61	64	67	61	55	54	63	66	67	62	56	61	68	65	59	50	60	62	64.
Parsons	Maximum	86	86	85	84	85	100	93	86	92	84	85	87	84	86	88	88	70	80	80	80	70	84	84	87	86	81	80	80	76	76	78	83.
	Minimum	46	55	61	60	62	60	67	67	65	67	66	67	65	57	58	59	53	53	53	60	50	50	50	52	54	52	57	60	46	46	46	56
Philippi	Maximum	76	84	87	89	87	92	91	90	90	84	88	87	83	84	87	87	75	70	80	80	72	78	80	84	84	84	77	78	73	79	75	82
	Minimum	61	46	65	65	65	65	66	65	66	70	68	70	63	56	65	64	56	54	52	62	63	65	56	51	60	67	62	58	45	53	59	60
Pickens	Maximum	82	90	76	81	83	88	88	85	86	85	83	82	82	85	84	87	72	70	75	78	70	70	74	80	83	80	75	73	73	...	72	79
	Minimum	45	55	51	53	55	59	59	62	61	60	63	61	61	63	62	52	51	41	42	52	58	51	46	57	58	61	54	38	44	...	55	54
Terra Alta	Maximum	74	74	76	84	80	86	80	76	81	76	77	80	75	70	79	79	68	67	72	72	70	69	69	77	75	73	69	68	67	75	65	74
	Minimum	35	48	48	53	50	55	55	65	62	66	67	63	69	50	54	59	56	36	39	48	59	63	47	49	53	62	58	50	48	46	54	53
Wellsburg	Maximum	82	85	89	88	89	91	91	88	94	85	88	89	83	84	90	86	75	81	83	83	77	81	80	87	83	82	80	72	78	81	72	8
	Minimum	43	54	53	64	64	65	68	70	62	70	70	67	63	50	59	60	60	46	49	51	64	66	55	48	63	65	64	58	45	50	59	58
Wheeling§	Maximum	89	84	91	91	93	98	92	92	96	84	90	92	87	88	94	90	79	83	86	84	74	84	83	88	91	84	84	79	81	85	...	87
	Minimum	46	53	55	62	63	68	70	70	64	68	69	66	62	53	57	62	58	46	54	55	63	64	55	53	56	64	63	58	46	52	58	59
Southern Division																																	
Bluefield	Maximum	80	87	89	...	...	82	84	85	86	86	85	...	75	80	83	85	86	79	...	80	75	79	80	82	83	...	82	80	78	77	78	81
	Minimum	55	62	62	...	...	62	60	65	61	70	66	...	64	62	66	62	60	63	...	67	65	65	54	54	65	...	61	58	49	51	63	61
Charleston	Maximum	94	93	93	91	96	94	88	93	92	91	91	86	87	92	92	79	82	85	79	73	83	84	89	90	85	82	78	79	76	78	...	8
	Minimum	56	65	65	68	69	68	69	70	70	70	71	66	60	62	65	60	57	51	56	64	66	58	58	60	64	61	61	48	50	57	52	6
Gary §	Maximum	86	90	91	91	90	92	91	90	93	91	89	88	...	88	90	91	78	78	88	89	88	85	83	89	90	92	84	87	78	86	83	8
	Minimum	56	62	64	66	68	66	67	68	69	70	70	68	68	...	64	65	64	56	50	59	65	68	58	58	62	67	62	59	49	50	57	6
Green Sulphur Spgs.	Maximum	84	88	91	92	91	92	90	90	91	90	90	90	85	86	86	87	86	85	83	82	80	81	82	82	86	91	84	85	78	84	80	8
	Minimum	66	60	65	70	74	72	74	72	74	73	74	70	68	64	63	61	65	58	59	62	62	62	70	70	60	72	66	70	48	48	68	6
Huntington §	Maximum	85	94	89	90	85	92	91	84	90	89	90	90	86	82	87	89	79	77	80	82	72	80	79	82	87	82	80	76	77	74	77	8
	Minimum	54	61	67	67	68	71	72	71	73	75	74	76	72	63	65	64	62	58	55	60	66	69	63	60	62	68	60	65	52	57	60	6
Lewisburg	Maximum	79	87	87	88	86	91	89	86	88	87	85	85	85	82	85	86	74	73	78	81	81	80	77	84	85	82	78	80	72	80	77	8
	Minimum	51	56	61	67	63	65	64	64	66	68	67	67	61	61	63	60	61	46	46	56	59	66	50	53	59	61	58	53	43	43	61	5
Marlinton	Maximum	76	86	86	88	84	82	86	82	80	84	88	82	84	80	76	82	70	68	70	78	72	76	74	78	82	80	78	74	70	72	72	7
	Minimum	46	52	54	58	60	60	62	56	52	54	62	60	62	62	56	56	50	44	42	50	56	54	48	50	56	56	54	52	40	42	44	5
Point Pleasant	Maximum	90	90	100	91	92	102	100	98	95	99	100	96	98	90	92	95	80	90	90	90	80	85	83	90	95	90	85	85	85	82	80	9
	Minimum	50	60	65	65	65	70	70	69	70	70	70	72	69	55	60	62	57	53	52	60	65	65	58	52	59	60	59	60	50	55	53	6
Ravenswood	Maximum	87	95	92	90	89	95	93	91	92	90	92	91	87	85	92	91	77	79	82	78	74	83	80	87	83	88	81	81	80	80	79	8
	Minimum	47	59	67	62	66	70	71	69	69	73	71	72	68	57	60	63	57	54	51	53	56	68	57	52	57	64	59	60	42	55	61	6
Robertsburg§	Maximum	88	94	95	92	89	94	90	90	93	86	91	90	88	84	90	89	78	85	85	85	78	83	80	88	80	82	82	76	80	77	77	
	Minimum	46	53	58	64	65	69	70	67	68	69	70	72	68	58	59	60	56	53	49	53	62	65	58	54	58	57	56	58	46	52	58	
Ryan	Maximum	86	94	89	91	87	94	92	83	93	90	88	90	87	86	90	91	78	78	82	75	71	81	80	85	89	86	84	78	78	78	79	
	Minimum	45	54	64	62	65	67	67	69	67	68	68	70	66	56	60	59	56	51	47	56	63	64	52	50	56	57	56	56	42	50	60	
Spencer §	Maximum	86	90	89	90	87	94	91	90	93	90	92	90	88	86	90	90	77	77	71	70	71	83	76	85	88	84	77	66	84	78	75	
	Minimum	47	55	60	54	62	69	70	70	68	71	70	74	68	58	65	63	62	53	50	67	66	66	57	53	61	62	59	59	45	49	61	
Summersville	Maximum	86	91	92	92	88	94	91	86	86	90	...	88	85	82	86	88	81	77	...	79	79	79	80	87	86	85	87	77	75	77	80	
	Minimum	48	55	62	64	63	65	62	65	66	64	...	66	60	61	60	67	60	51	...	45	62	66	51	51	56	59	60	53	41	45	53	
Sutton	Maximum	86	87	94	95	95	93	93	92	91	88	88	92	92	85	89	89	88	83	82	82	80	83	84	85	90	93	93	88	84	74	83	
	Minimum	52	50	53	57	52	55	53	57	52	53	51	55	56	54	55	52	54	44	48	50	53	51	54	53	52	52	51	55	45	49	54	
Union	Maximum	84	92	93	93	...	96	94	91	93	93	90	...	92	86	89	92	91	79	...	85	84	85	86	87	83	...	88	89	84	87	85	
	Minimum	52	55	59	65	...	61	60	61	63	63	64	...	63	61	62	58	59	44	...	44	57	64	47	52	58	...	55	51	42	42	60	
White Sulphur Spgs§	Maximum	93	91	83	89	94	94	90	92	94	93	93	89	88	88	92	80	84	80	85	86	87	84	85	90	90	84	85	80	85	78	...	
	Minimum	56	61	62	64	65	65	65	65	63	66	65	62	61	62	60	59	48	54	55	57	65	51	52	60	60	57	53	42	42	60	48	
Williamson §	Maximum	85	90	90	90	89	91	90	87	88	89	87	87	85	83	87	88	76	76	80	81	79	80	80	84	78	81	80	78	75	78	76	
	Minimum	58	60	61	68	68	70	70	71	71	71	72	71	70	67	66	67	63	59	55	59	62	67	60	60	60	67	62	63	53	53	54	

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[W BO, Cleveland, 8 27 25—820]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIII PARKERSBURG, W. VA., AUGUST, 1925 No. 8

GENERAL SUMMARY

The temperature for August averaged nearly 1° below the normal and the month was about equally divided into periods of moderately warm and moderately cool weather. However, the temperature on the 22d-25th was low, and light frosts were observed in localities of the northern mountain region on those dates.

The average rainfall, 1.86 inches, was the least of August State record, the previous August record being 2.03 inches in 1910. The rainfall was deficient at every station except one-Bayard. While the rainfall was generally well distributed over the State and throughout the month, the drought was most severe over the southeast counties and practically no rain fell from the 21st to the 31st. Corn was in excellent condition until after the 21st, but hot and dry weather during the last decade caused much damage to the crop. At the close of the month the rivers and streams were unusually low and stock-water was scarce in many localities. The month was practically free from damaging storms until the 31st. A severe hail storm occurred on the 31st in the Gerrardstown and Inwood sections of Berkeley County, causing much damage to the apple crop.

TEMPERATURE

The monthly mean for the State, determined from 51 stations, was 70.7°. The departure from the normal for 40 stations having ten or more years of record was —0.9°. The month opened cool and the temperature was also considerably below the normal from the 21st to the 26th. Moderately warm weather prevailed from the 9th to the 19th and during the last three days. The highest readings occurred generally on the 10th, 13th, 17th, and 30th, and the lowest readings on the 22d.

PRECIPITATION

The average precipitation for the State, determined from 84 stations, was 1.86 inches. The departure from the normal for 51 stations having ten or more years of record was —2.14 inches. Most of the rainfall was received on the 11-14th, 18th-21st, and 31st, but scattered light showers occurred in many localities daily from the 1st to the 9th. The greatest monthly amount, .92 inches, fell at Bayard, and the least, 0.20 inch, at Camden-n-Gauley.

LIGHT HAIL

Light hail fell in sections of the following counties on dates as given: Preston ounty, 7th; Grant, Lewis, Monroe, and Preston Counties, 21st; Lewis and Wood ounties, 31st.

DESTRUCTIVE HAIL

About 3:30 p. m., August 31, a destructive hail storm passed south-southeastward er the fruit orchards in the Gerrardstown and Inwood districts, Berkeley County. e path of the storm was about two miles in width and the storm was severe for eral miles. The stones ranged in size from about one-eighth to three-fourths of an ch in diameter. The loss was mostly confined to the apple crop and was proximately $100,000.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 2d, 5th, 6th, 10th, and 15th; Bancroft, 2d, 4th, 5th, 11th, 16th, 23d, 25th, and 27th; Elkins, 2d to the 4th, 7th, 8th, 11th, 15th, 17th, 22d, 24th, 25th, and 26th; Mannington, 1st, 4th, 5th, 10th, 15th, 19th, 20th, 22d, and 27th; Moundsville, 26th; New Cumberland, 11th, 15th, 25th, and 26th; Parkersburg, 15th; Terra Alta, 13th and 15th.

Frost, light: Arbovale, 23d and 24th; Bayard, 22d, 23d, 24th, and 25th; Cheat Bridge, 23d and 24th; Davis, 22d and 23d; Horton, 22d, 23d, and 24th; Terra Alta, 22d and 24th; Stony River Dam, 22d and 23d.

Thunderstorms [dates and number of stations reporting]: 1st, 1; 2d, 5; 3d, 1; 4th, 2; 5th, 9; 6th, 3; 7th, 3; 9th, 1; 10th, 2; 11th, 5; 12th, 6; 13th, 11; 14th, 5; 18th, 1; 20th, 3; 21st, 4; 31st, 13.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.07	83	55	56	321.0	76	3,489	4.7	29	nw.	12
Columbus, Ohio	30.08	79	56	61	300.5	71	5,349	7.2	40	nw.	12
Elkins	30.11	91	52	75	277.5	66	2,310	3.1	27	nw.	31
Lexington, Ky	30.08	73	52	....	272.1	65	7,739	10.4	38	sw.	2
Parkersburg	30.10	76	51	63	259.2	61	2,585	3.5	33	nw.	31
Pittsburgh, Pa	30.09	78	52	58	308.4	72	5,733	7.7	56	nw.	10
Wytheville, Va	30.09	80	45	60	276.0	66	3,216	4.3	20	sw.	13

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	69.8	......	......	5.48	......	......	......	......	......	......
1892	72.1	96	41	2.55	......	......	......	......	......	......
1893	70.8	98	41	3.38	......	......	......	......	......	......
1894	71.5	103	38	2.07	5.15	0.27	......	14	12	5
1895	73.3	104	40	3.01	7.69	1.15	......	15	11	5
1896	72.6	97	40	2.82	5.69	0.88	......	15	12	4
1897	70.9	100	42	2.91	5.93	0.77	......	13	14	4
1898	73.7	96	44	7.51	11.57	4.40	......	12	12	7
1899	73.5	100	34	2.64	6.37	0.34	......	15	11	5
1900	76.0	100	45	3.15	7.20	1.03	......	17	10	4
1901	73.6	98	43	5.14	13.70	1.64	......	10	13	8
1902	70.4	93	35	2.40	6.05	0.97	......	15	13	3
1903	71.4	105	38	2.64	5.85	0.99	......	12	13	6
1904	70.7	95	32	2.88	6.71	0.67	......	15	10	6
1905	71.3	96	40	4.25	8.32	1.32	......	14	11	6
1906	75.4	98	47	5.15	10.72	2.18	......	10	13	8
1907	69.4	93	41	4.64	10.12	1.55	......	13	10	8
1908	70.9	101	37	2.82	5.63	0.84	......	15	10	6
1909	70.8	99	37	3.03	5.79	0.81	......	16	10	5
1910	70.8	98	39	2.03	5.58	0.70	......	17	10	4
1911	73.5	105	40	6.71	12.14	2.38	......	13	10	8
1912	69.3	95	35	3.64	11.70	0.25	......	10	13	8
1913	72.7	102	37	3.18	8.20	0.79	......	19	7	5
1914	71.8	100	40	4.86	9.29	1.38	......	15	9	7
1915	69.4	99	36	4.84	8.36	2.46	......	10	11	10
1916	72.9	104	40	4.76	15.35	1.46	......	14	9	8
1917	71.6	102	39	3.53	8.80	0.94	......	17	8	6
1918	76.0	110	43	3.96	9.15	0.63	......	17	8	6
1919	70.2	100	40	4.54	8.67	0.95	......	16	9	6
1920	71.1	95	42	4.27	9.28	1.69	......	9	10	12
1921	69.7	98	37	5.20	9.46	2.13	......	16	8	7
1922	68.9	98	31	3.87	7.51	1.20	......	14	9	8
1923	71.0	99	33	4.39	12.42	1.60	......	15	8	8
1924	71.7	104	34	4.63	9.34	0.69	......	18	8	5
1925	70.7	100	33	1.86	4.92	0.20	......	18	8	5
Means and extremes	71.7	110	31	3.85	15.35	0.20	......	14	11	6

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., August, 1925

See temperature and precipitation data in Climatological Tables, Pages 30, 31, and 32

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
arksburg	Evaporation	.070	.039	.161	.205	.089	.178	.190	.188	.065	.211	.256	.072	.152	.230	.233	.201	.189	.244	.112	.244	.188	.210	.218	.230	.255	.160	.160	.245	.175	.158	.032	5.360
	Wind movement	36	39	24	29	25	21	27	20	29	52	40	13	26	56	43	29	22	20	21	34	31	70	47	38	44	23	22	67	34	17	20	1,019

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for August, 1925

				Temperature, in degrees Fahr.							Precipitation, in inches				No. of days					
Stations	Counties	Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Panhandle Division																				
Bayard	Grant	2,700	24	65.0	-1.0	90	30	35	23†	48	4.92	+0.31	1.29	0	11	17	8	6	w.	U. G. Clark
Brandywine	Pendleton	......	9	68.6	-1.3	91	13	39	23	39	1.70	-1.18	0.95	0	5	26	1	4	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	36	......	......	......	......	......	......	......	3.18	-0.59	1.17	0	7	......	......	......	......	J. C. Newcomer
Inwood	Berkeley	569	3	69.5	......	95	31	43	30	43	2.97	......	1.30	0	6	18	8	5	se.	H. W. Prettyman
Martinsburg	Berkeley	435	33	73.0^{a}	0	96^{a}	10†	38	22	44^{a}	2.23	-1.58	0.92	0	8	23	4	4	e.	Dr. H. S. Gardner
Moorefield	Hardy	900	29	71.0	-2.3	100	31	38	23	48	1.45	-1.79	0.62	0	5	31	0	0	......	M. S. Henkel
Piedmont	Mineral	919	12	68.9	-1.5	93	19	44	22†	37	1.84	-1.75	0.45	0	10	15	10	6	se.	C. A. Suter, Jr.
Romney ††	Hampshire	824	27	......	......	......	......	......	......	......	0.90	-3.06	0.75	0	2	15^{g}	2^{g}	7^{g}	......	Richard A. Bergdoll
Stony River Dam	Grant	3,300	5	......	......	......	......	......	......	......	4.32	......	1.15	0	9	13	4	14	w.	A. C. Becker
Upper Tract	Pendleton	1,230	26	65.7^{k}	......	90^{k}	10	41^{k}	27	39^{k}	0.30	-3.45	0.15	0	2	19^{l}	0^{l}	3^{l}	w.	J. M. Mallow
Wardensville	Hardy	1,200	7	70.3^{a}	......	98^{a}	9	42	24†	48^{a}	2.65	......	1.15	0	8	20	8	3	e.	Luther F. Sutton
Averages and	**extremes**	......	......	69.0	-1.2	100	31	35	23†	48	2.56	-1.43	1.30	0	7	21	5	5	w.	
Northern Division																				
Aberdeen	Upshur	1,060	1	......	......	......	......	......	......	......	2.52	......	0.75	0	8	15	13	3	nw.	L. Else Bond
Bens Run	Pleasants	622	23	71.9	-1.9	90	7†	51	22	36	1.18	-3.06	0.50	0	4	22	8	1	......	J. D. Riggs
Benson	Harrison	1,080	2	70.3	......	94	17	39	23†	48	3.11	......	1.25	0	6	15	14	2	......	R. D Marts
Brownsville	Lewis	1,032	2	71.7	......	96	30	40	23†	50	1.83	......	0.73	0	9	15	14	2	......	S. L. Montgomery
Bruceton Mills	Preston	1,549	5	......	......	......	......	......	......	......	2.88	-1.77	0.82	0	10	9	14	8	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	28	69.2	-1.1	89	17	45	22†	37	2.22	-1.88	0.82	0	3	22	6	3	......	H. A. Darnall
Cairo	Ritchie	680	26	71.6	-1.2	95	30	44	25	46	3.02	-0.60	0.76	0	9	15	10	6	......	O. C. Hess
Cheat Bridge	Randolph	3,558	7	61.0^{a}	......	85^{a}	9†	33	23	41^{a}	2.11	......	0.80	0	10	20	5	6	......	H. F. Cromer
Clarksburg ††	Harrison	1,015	3	72.4^{a}	......	96^{a}	30	46	23†	43^{a}	2.21	......	1.69	0	6	15	9	7	sw.	Clarksburg Water Boar
Cortland	Tucker	3,300	14	......	......	......	......	......	......	......	2.55	-1.59	0.95	0	5	7	19	5	......	G. W. Harmon
Crawford	Lewis	1,087	2	......	......	......	......	......	......	......	1.66	......	0.73	0	8	20	9	2	......	George W. Blair
Creston	Wirt	701	23	73.2	-0.2	97	30	46	22	45	1.26	-2.19	0.35	0	9	18	4	9	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	786	4	......	......	......	......	......	......	......	2.30	......	0.74	0	10	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	614	9	......	......	......	......	......	......	......	2.34	......	1.60	0	6	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	605	9	......	......	......	......	......	......	......	1.20	......	0.65	0	8	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	839	4	......	......	......	......	......	......	......	1.40	......	0.47	0	10	......	......	......	......	Lockmaster
Davis	Tucker	3,093	16	......	......	......	......	......	......	......	3.66	-1.32	1.39	0	13	......	......	......	......	Ross C. Male
Elizabeth [Dam 3 L.K.]	Wirt	615	13	......	......	......	......	......	......	......	0.96	-3.41	0.51	0	4	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	24	67.7	-1.4	88	30	42	24	40	1.18	-2.47	0.33	0	7	13	11	7	w.	U. S. Weather Bureau
Evenwood	Randolph	......	0	......	......	......	......	......	......	......	1.38	......	0.47	0	7	12	16	3	......	Claude A. Cunningham
Fairmont	Marion	883	19	73.0	-0.2	97	19	46	22	47	1.13	-2.41	0.45	0	9	27	0	4	w.	Creed E. Bolyard
Glenville	Gilmer	738	31	74.5	+0.6	97	29†	45	24	47	1.00	-2.91	0.52	0	4	21	9	1	w.	Howard R. Brannon
Grafton (near) ††	Taylor	1,000	32	68.2^{a}	-3.5	95^{a}	30	36	25	52^{a}	1.40	-2.52	0.70	0	6	14	9	8	w.	Curtis Boice
Horner	Lewis	1,044	2	......	......	......	......	......	......	......	2.66	......	0.82	0	8	25	4	2	......	Thomas E. Miles
Horton	Randolph	2,775	0	......	......	......	......	......	......	......	1.28	......	0.33	0	8	8	12	11	sw.	J. W. White
Janelew (near)	Lewis	1,020	2	71.7	......	96	17	40	25	48	3.14	......	1.30	0	7	22	8	1	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	27	70.4	-0.6	95	18†	39	25	51	3.37	-0.65	1.58	0	9	18	7	6	w.	Allen Smith
Mannington	Marion	974	22	68.8	-2.1	89	30	42	22	41	1.10	-2.82	0.29	0	12	19	7	5	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	32	71.6^{c}	-0.7	92^{c}	30	45^{b}	22	35^{c}	1.07	-3.13	0.41	0	4	10^{b}	14^{b}	5^{b}	sw.	Prof. E. L. Andrews
Moundsville	Marshall	642	22	72.6^{a}	-0.3	95^{a}	25	47	21†	46^{a}	0.77	-2.82	0.27	0	6	19	5	7	sw.	Fred N. Wilson
New Cumberland	Hancock	987	27	71.6	+0.7	95	30	47	22	39	1.42	-2.06	0.54	0	11	18	5	8	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	31	72.4	-1.7	96	17	45	22	47	0.73	-2.77	0.25	0	7	19	8	4	s.	Wm. Ankrom
Parkersburg	Wood	638	38	74.2	+0.3	95	30	52	22	36	1.65	-1.88	0.70	0	10	17	3	11	n.	U. S. Weather Bureau
Parsons	Tucker	1,656	25	70.2	-1.0	99	30	40	22	45	3.05	-0.75	......	0	5	18	10	3	......	J. W. Swisher
Philippi	Barbour	1,149	28	71.1	-0.6	92	31	44	22	37	1.76	-2.29	0.55	0	7	15	9	7	w.	Prof. W. B. Pimm
Pickens	Randolph	2,697	22	66.6	-0.2	89	30	39	22	43	2.12	-2.99	0.52	0	7	21	7	3	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	2	......	......	......	......	......	......	......	2.87	......	0.78	0	7	9	21	1	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	38	......	......	......	......	......	......	......	2.77	-1.10	0.82	0	9	......	......	......	......	J. F. Pierce
Saint Marys	Pleasants	577	16	......	......	......	......	......	......	......	1.11	-3.65	0.68	0	6	......	......	......	sw.	Wm. Hughes
Smithfield	Wetzel	835	19	74.7	+3.7	96	19	53	22	34	0.54	-3.92	0.17	0	7	21	7	3	se.	G. M. Whisler
Terra Alta	Preston	2,612	24	62.4	-5.5	80	30	33	22	32	2.94	-2.05	0.91	0	15	13	8	10	sw.	J. J. Shanahan
Valley Chapel	Lewis	1,011	2	73.4	......	97	30†	43	22†	47	1.90	......	0.63	0	9	20	9	2	w.	J. C. Campbell
Vandalia	Lewis	1,120	2	......	......	......	......	......	......	......	2.02	......	0.70	0	5	......	......	......	......	Miss Phyllis West
Wellsburg	Brooke	1,225	24	70.6	+0.2	94	30	43	22	42	2.23	-1.61	1.02	0	6	17	11	3	......	George P. Pfister
Wheeling	Ohio	645	38	73.4	0	98	30	46	22	44	1.00	-2.67	0.35	0	7	22	7	2	w.	Miss M. B. Forsyth
Wymer	Randolph	......	......	......	......	......	......	......	......	......	0.75	......	0.63	0	3	20	1	10	e.	T. R. Ratzer
Averages and	**extremes**	......	......	70.8	-0.6	99	30	33	22†	51	1.89	-2.25	1.60	0	8	17	9	5	w.	
Southern Division																				
Arbovale	Pocahontas	2,737	......	......	......	......	......	......	......	......	1.23	......	0.81	0	5	18	9	4	w.	H. S. Sutton
Bancroft	Putnam	574	21	......	......	......	......	49	23	......	0.81	-3.61	0.40	0	6	23	0	8	ne.	R. E. Dent
Beckley	Raleigh	2,440	25	69.4	-0.5	89	11	48	22†	35	2.89	-0.17	1.70	0	5	15	13	3	w.	K. E. Williams
Bluefield ††	Mercer	2,558	30	73.6^{e}	+2.7	95^{e}	13	48^{e}	3	35^{e}	0.75	-3.67	0.40	0	4	25^{a}	0^{a}	5^{a}	......	Norfolk & Western I
Camden-on-Gauley	Webster	2,062	10	......	......	......	......	......	......	......	0.20	......	0.20	0	1	24	0	7	s.	Miss Katie Jarvis
Charleston	Kanawha	597	22	74.6^{a}	-1.0	97^{a}	18	49	22†	45^{a}	1.43	-3.08	0.40	0	6	19	0	12	......	R O. Fields
Clay	Clay	706	9	......	......	......	......	......	......	......	1.78	......	0.72	0	8	......	......	......	......	Ted Thomas
Dam 6 G. K.	Kanawha	......		......	......	......	......	......	......	......	0.88	......	0.26	0	4	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	557	9	......	......	......	......	......	......	......	1.30	......	0.42	0	8	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	551	9	......	......	......	......	......	......	......	1.12	......	0.50	0	6	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	505	9	......	......	......	......	......	......	......	0.58	......	0.30	0	3	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	9	72.3	......	95	13	45	25	42	2.02	......	1.05	0	8	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,450	28	72.6^{e}	-1.1	92^{e}	11†	52	23	32^{e}	1.68	-2.18	0.68	0	3	10	11	10	......	Mrs. J. R. Baber
Huntington	Cabell	538	31	73.6	-1.2	90	13†	53	23†	32	0.74	-3.10	0.34	0	6	18	4	9	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	6	......	......	......	......	......	......	......	3.04	......	1.00	0	5	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	9	......	......	......	......	......	......	......	4.00	......	1.51	0	10	......	......	......	......	Cabin Creek Con. Coa
Lewisburg	Greenbrier	2,200	25	67.8	-2.1	88	10	44	23	37	2.30	-1.26	1.06	0	5	18	9	4	s.	Geo. T. Argabate
Logan	Logan	700	22	......	......	......	......	......	......	......	1.45	-2.20	0.80	0	3	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	26	64.2	-3.0	84	10†	40	23†	34	2.48	-1.75	0.92	0	8	7	24	0	sw.	S. L. Brown
Point Pleasant	Mason	553	32	76.9	+2.3	100	10†	48	22	49	1.40	-1.80	0.40	0	6	26	0	5	s.	Miss Grace E. Henson
Powellton	Fayette	933	28	......	......	......	......	......	......	......	2.41	-1.86	0.60	0	6	......	......	......	......	Elkhorn-Piney Coal C
Ravenswood (Dam 22)	Jackson	538	10	72.2	......	95	17	47	22	44	1.36	......	0.30	0	8	18	0	13	se.	Lockmaster
Robertsburg	Putnam	574	25	72.8	-1.6	96	30	46	22†	47	0.53	-2.72	0.15	0	5	19	0	12	......	M. Frazier
Ryan	Roane	700	22	71.6	-1.5	97	19	43	25	47	1.00	-2.86	0.51	0	9	19	11	1	......	Wm. E. Ryan
Sharples	Logan	......	5	......	......	......	......	......	......	......	1.44	......	0.64	0	3	......	......	......	......	F. H. Locke
Spencer	Roane	784	21	74.6	+1.9	93	10†	50	2	33	1.65	-1.89	0.55	0	6	7	20	4	......	A. M. McKown
Summersville	Nicholas	1,894	1	70.4	......	93	17	42	23†	47	1.69	......	0.88	0	6	17	2	12	......	J. O. McMillion
Sutton	Braxton	839	19	69.6	-6.2	94	30†	45	23	45	1.60	-2.14	0.55	0	5	26	0	5	......	C. B. Eakle
Union	Monroe	2,250	21	70.6^{e}	0	97^{e}	14	42^{e}	3	45^{e}	0.88	-2.97	0.42	0	4	15^{f}	7^{f}	3^{f}	......	W. M. H. Young
White Sulphur Springs	Greenbrier	1,940	15	70.8^{a}	+0.3	93^{a}	10†	41	24	46^{a}	0.91	-2.75	0.55	0	3	28	1	2	......	E. J. Comar
Williamson	Mingo	660	25	72.0^{i}	-2.9	91^{i}	13	54^{i}	1†	29^{j}	2.55	-1.99	1.50	0	7	18^{i}	4^{i}	0^{i}	w.	J. F. Keyser
Averages and	**extremes**	......	......	71.5	-1.2	100	10†	40	23†	49	1.58	-2.25	1.70	0	6	19	6	6	w.	
State averages and	**extremes**	......	......	70.7	-0.9	100	10†	33	22†	51	1.86	-2.14	1.70	0	7	18	8	5	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are use determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for August, 1925

Stations	Drainage-basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Panhandle Division																																	
Bayard‖	Potomac	1.08	T.		.03		.39	.04		T.		.04	1.21	.14	.11					T.	.03	1.29	.56										4.92
Brandywine	do								T.	.15		.10							.40	.10		.95					T.						1.70
Harpers Ferry ‖	do	1.17				.30						.19	.11	.02						T.		.87	.52										3.18
Inwood	do					.42			.28				.12								.25	.60										1.30	2.97
Martinsburg‖	do	.92				.24	.17			.37		T.	.07						.03		.37	.06											2.23
Moorefield	do											.10	.62	.03							.30	.40											1.45
Piedmont	do	.01		.18		.01			T.	T.	.25	.08	.45	.12	.01						.35	.38											1.84
Romney ‖	do											.75	.15																				0.90
Stony River Dam‖	do	.56					.74			.06		.40	.45	.40	.38							1.15	.18										4.32
Upper Tract	do													T.	T.					.15		.15											0.30
Wardensville‖	do	.30				.30				.15		.05	.55	.10	.05					T.		1.15	T.	T.									2.65
Northern Division																																	
Aberdeen	Monongahela	.07				T.			T	T.		.04	.75	.47	.20						.08	.36										.55	2.52
Bens Run	Ohio					.33								.30								.05										.50	1.18
Benson	Monongahela								T.			.02	.30	.40							.70	.44										1.25	3.11
Brownsville	do	T.			T.	T.			.03	.05		.07	.23	.26	.73				T.		.07	.18										.21	1.83
Bruceton Mills	do	T.			.10	.06	T.	.66		T.	.41	.10	.27	.20	.08				T.	T.	.18	.82					T.	T.				T.	2.88
Buckhannon	do									T.		T.	.60	.82							T.	T.										.80	2.22
Cairo	Little Kanawha	T.	.25	.11	.14	T.			.06			.20	.45	.62					T.	T.	T.	.43										.76	3.02
Cheat Bridge ‖	Monongahela									.10	.42	.32	.05	.03	.10			.10		.14		.80	.05										2.11
Clarksburg ‖	do	.20				T.				.03			.04	.22	.03							1.69											2.21
Cortland ‖	do											.50	.20	.70	.20						.95												2.55
Crawford	Little Kanawha									.03		.05	.08	.42	.12		.03					.20										.73	1.66
Creston ‖	Monongahela	.05			.02					.10		.09	.07	.33	.35					.15		.10											1.26
Dam 10, Mon. R.‖	Ohio	.44	.02				.03					.42	.06	.26	.03						.25	.74	.05										2.30
Dam 12, O. R.‖	do	.20					1.60			T.		.10		.04	.37							.03											2.34
Dam 13, O. R ‖	Monongahela	.10								.05		.12	.05	.12	.05					.06		.65											1.20
Dam 15, Mon. R.‖	do	.47	.02		.06					.08		.06	.14	.17	.03					.05		.32											1.40
Davis ‖	do	.12	.01	T.	.02		T.	.02	.05	.04		.48	.39	.59	.36					.01		1.39	.18										3.66
Elizabeth	Little Kanawha											.51	.05	.21								.19											0.96
Elkins***	Monongahela			.06	T.				T.	.12		T.	.17	.21	T.				T.	T.	.04	.29										.29	1.18
Evenwood ‖	do			.02								.02	.30	.36	.10							.47										.11	1.38
Fairmont ‖	do	.45	.01	T.	.09	T.	T.			.03		.01	.12	.09	.02					T.		.31						T.					1.13
Glenville ‖	Little Kanawha	.28								T.			.20	.34	.18																		1.00
Grafton (near) ‖	Monongahela					.17				T.			.21	.14							.70	.13										.05	1.40
Horner	do									.12		.10	.36	.37	.82						.12	.22										.55	2.66
Horton	Monongahela			05						.06		T.	.28	.04	.23					.10		.33										.19	1.28
Janelew (near)	do	.20											.70	.50	.10						.05	.29										1.30	3.14
Lost Creek	do				.04	.30			T.	.05		.03	.32	.33					T.		1.06	.52										.72	3.37
Mannington	do			.01	.07	.02			.05			.07	.27	.27	.03						.08	.21					.01					.01	1.10
Morgantown	do	T.			T.	T.	T.		T.			.41	.17	T.	T.				T.		.10	.39											1.07
Moundsville‖	Ohio										.13	.16	.17	.03							.27											.01	0.77
New Cumberland‖	do	.54	.02		.12		.09	.04	.05			.03		.45	.03					.03		.02					T.						1.42
New Martinsville	do	.10				.05	.08							.25						.10	.10	.05											0.73
Parkersburg***	do	T.	.05	.10		.16			.08			.16	.04	.23					.06		.07											.70	1.65
Parsons	Monongahela			*			.85		T.				.40								*	1.35										.45	3.05
Philippi	do	T.				.05				T.		.33	.33	.17							.23	.55										.10	1.76
Pickens	do							.49				.15	.10	.52							.25	.46										.15	2.12
Roanoke	do									.20		.08	.12	.76	.78				T.	T.	.29						T.					.64	2.87
Rowlesburg ‖	do	.38				.28	.22	.10		.06			.40	.23								.82	.28										2.77
Saint Marys ‖	Ohio			03	T.		.13			T.		.04	.63	.08						.20													1.11
Smithfield‖	Fishing Creek	.01		T.	.03					.03				.17	.12						.04		.14										0.54
Terra Alta	Monongahela	T.			.03	.43	.01	.32	.04	.08		.25	.25	.15	.01				T.		.38	.91	.01				.04					.03	2.94
alley Chapel	do	.18								.05		.06	.30	.46	.03						.01	.18										.63	1.90
andalia	do							.70					.20		.12							.55										.45	2.02
ellsburg	Ohio				.25	.22	.02				1.02				.66						.06						T.						2.23
heeling ‖	Ohio	.13					.18					.35	T.	.06	.10					.04	T.	.14											1.00
ymer	Monongahela		T.		T.				T.					.63	.10																	.02	0.75
Southern Division																																	
rbovale	Great Kanawha					.08	.02						.16	.16								.81											1.23
ancroft ‖	do				.20					.05			.05	.40						.05		.06											0.81
eckley	do			.08		.44							.52							.15	1.70												2.89
luefield	do					.09							.10		.16							.40											0.75
amden-on-Gauley‖	do							.20																									0.20
harleston ‖	do			.06	.30	.40			.10				.22								.35												1.43
ay ‖	do	.13			.09				.50				.02	.05	.72					.11		.16											1.78
am 6 G. K. ‖	do						.40				.14			.26	T.							.08											0.88
am 19 O. R. ‖	Ohio			.03	.34		T.		T.	.12		.20	.03	.42	T.					.08		.08											1.30
am 20 O. R. ‖	do									.16		.50	.16	.14	.01							.15											1.12
am 26 O. R. ‖	do									.20				.08								.30											0.58
rv‖	Big Sandy	.06					1.05							.30	.15	.03				.06		.35	.02										2.02
inton ‖	do				T.									.55	.45							.68											1.68
untington ‖	Ohio									.10			.02	.32						.12	T.	.06										.12	0.74
anawha Falls‖	Great Kanawha				.14		.75						.30	.85								1.00											3.04
ayford‖	do	.04			.14	.73	.04			.10			.27	.73	.35							1.51	.09										4.00
wisburg	do					.26							.40	.66						T.	.42	.56											2.30
gan ‖	Guyandotte												.30	T.						.35		.80											1.45
rlinton	Great Kanawha					.42			T.				.34	.54	.38				.09	.03	.04	.64											2.48
int Pleasant ‖	Ohio									.40		.20	.18	.20						.12		.30											1.40
wellton	Great Kanawha				.30								.30	.60						.60	.60	.01											2.41
venswood (Dam 22	Ohio				.04					.30		.25	.30	.20						.22	.03	.02											1.36
bertsburg ‖	Great Kanawha									.06			.03	.14		.15						.15											0.53
an	do			.04				.01	.02	.01		.03	.05	.15							.18											.51	1.00
arples‖	Coal River				.20		T.							.64							.60												1.44
encer ‖	Great Kanawha	.09			.13					.04			T.	.36	.48																T.	.55	1.65
nmersville	Gauley					.25				.05			.23	.21								.88										.07	1.69
ton	Great Kanawha											.33	.12	.55							.42											.18	1.60
ion	do					.18	T.						.18	.10								.42										T.	0.88
ite Sulpr. Spgs.‖	do													.35					.01		.55												0.91
liamson ‖	Big Sandy	.05			.06		.32						.10	.30	.22							1.50											2.55

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for August, 1925

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	64	76	80	78	76	78	81	80	81	87	80	78	83	78	83	85	86	86	87	82	68	71	76	79	83	84	80	78	80	90	88	80.2
	Minimum	51	42	58	49	52	50	48	51	57	60	56	57	58	62	50	49	57	48	54	55	57	36	35	37	35	41	54	39	45	47	55	49.8
Brandywine	Maximum	75	72	76	75	79	84	88	90	89	90	87	85	91	88	86	88	87	89	90	86	80	75	76	75	80	82	85	80	80	90	89	83.5
	Minimum	52	50	54	52	58	56	50	55	65	56	61	64	63	58	52	54	52	57	62	58	61	43	39	41	42	44	46	52	51	60	56	53.7
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Inwood	Maximum	72	83	85	84	75	84	81	89	80	92	91	87	92	93	90	92	87	91	93	92	75	75	80	81	90	92	88	75	80	86	95	85.5
	Minimum	49	51	59	54	44	55	52	55	53	66	64	55	56	60	52	50	51	48	51	68	63	47	44	45	48	50	66	50	49	43	60	53.5
Martinsburg§	Maximum	76	85	87	87	78	87	89	93	92	96	69	96	93	90	93	91	92	95	89	80	81	82	87	91	92	88	80	80	89	90	....	87.3
	Minimum	56	53	55	64	54	62	60	63	65	68	65	65	65	62	58	59	58	62	68	64	49	38	48	52	54	61	54	56	52	62	64	58.6
Moorfield	Maximum	76	84	86	85	80	87	92	90	93	98	91	83	94	92	88	89	91	92	95	93	83	79	82	85	89	93	91	86	94	97	100	89.0
	Minimum	49	44	49	57	58	56	53	55	52	60	59	57	60	62	56	52	50	52	68	60	57	40	38	41	41	46	57	43	51	50	67	52.9
Piedmont	Maximum	69	79	80	78	73	80	83	81	81	87	81	75	90	87	89	90	91	91	93	76	77	77	75	78	84	85	81	73	79	89	88	81.9
	Minimum	49	50	48	55	55	62	57	59	63	63	61	60	62	65	59	55	56	56	62	63	62	44	44	47	47	52	59	46	52	56	63	55.9
Romney	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Upper Tract	Maximum	....	75	74	76	....	81	83	84	....	90	88	....	79	79	80	....	....	84	83	....	68	72	73	78	80	81	80	....	....	....	....	79.4
	Minimum	....	46	51	54	....	57	53	54	....	59	58	....	63	64	55	....	....	56	55	....	61	43	43	43	42	42	41	....	....	....	....	52.0
Wardensville§	Maximum	74	82	83	83	81	82	86	90	98	93	85	90	89	85	80	80	90	93	93	89	87	88	88	84	90	92	89	90	91	93	....	87.3
	Minimum	50	45	50	55	60	55	53	51	50	54	60	60	60	61	60	50	57	51	60	60	59	56	50	42	44	45	49	42	51	62	50	53.3
Northern Division																																	
Bens Run	Maximum	78	74	76	75	78	80	90	77	85	83	80	87	88	86	82	88	88	77	84	82	78	80	83	88	89	76	86	86	90	88	79	82.
	Minimum	56	57	53	63	56	56	60	66	69	66	66	66	66	71	64	63	64	65	68	68	65	51	52	53	53	57	55	56	61	64	67	61.
Buckhannon	Maximum	70	76	80	80	78	79	82	78	81	86	84	81	84	80	81	82	89	83	84	81	74	74	78	80	82	81	80	81	83	86	86	80.
	Minimum	54	48	48	60	58	56	55	62	67	62	64	67	67	65	60	64	58	60	64	63	50	45	45	45	45	50	64	64	54	58	63	57.
Cairo	Maximum	75	82	86	82	84	87	91	79	87	93	85	85	89	85	88	91	93	90	94	86	78	81	84	85	90	92	88	90	92	95	90	87.
	Minimum	49	49	54	57	57	55	56	60	64	62	63	66	66	66	60	56	58	60	59	62	60	45	45	45	44	48	57	51	56	55	61	56.
Clarksburg	Maximum	71	82	89	88	86	86	91	84	86	93	87	87	90	84	86	95	95	91	92	78	75	78	86	85	89	93	85	88	93	96	....	87.
	Minimum	51	50	54	60	58	57	56	61	66	64	62	65	68	67	60	58	58	59	64	63	64	47	46	46	46	52	62	55	55	56	62	57.
Creston	Maximum	76	86	86	85	86	90	93	84	89	94	88	88	95	87	88	92	94	82	94	79	80	84	89	90	92	92	90	92	94	97	92	88.
	Minimum	50	50	58	57	57	58	56	60	62	61	64	69	68	66	61	58	60	60	64	61	63	46	47	47	47	50	60	57	56	60	62	57.
Elkins	Maximum	63	75	80	80	78	80	82	77	80	85	80	78	86	80	81	85	86	84	85	78	68	76	77	80	82	83	82	82	85	88	86	80.
	Minimum	52	47	51	56	55	58	53	57	64	60	62	65	65	62	58	57	55	57	63	60	49	44	42	42	42	47	59	51	55	56	60	55.
Fairmont§	Maximum	68	84	88	82	85	86	91	79	87	91	84	80	88	89	91	94	96	88	97	73	80	85	92	90	94	94	88	91	93	94	91	87.
	Minimum	53	51	55	60	55	57	58	64	67	67	63	62	67	67	60	59	58	61	64	66	62	46	47	50	47	52	57	55	57	62	65	58.
Glenville	Maximum	78	89	86	85	84	90	94	90	89	93	94	88	92	90	92	92	89	89	87	88	89	89	90	92	91	94	96	95	97	97	95	90.
	Minimum	50	53	55	61	59	60	55	61	64	61	64	70	68	67	61	59	60	58	65	64	63	62	55	45	46	48	60	51	54	58	57	58.
Lost Creek	Maximum	73	83	86	82	84	86	90	82	87	92	85	84	85	90	90	93	93	95	94	85	80	72	84	84	90	91	87	89	93	95	91	86.
	Minimum	50	45	50	54	55	54	51	57	63	59	61	63	65	64	60	56	53	55	61	60	60	40	40	40	39	45	60	49	50	54	59	53.
Mannington	Maximum	73	77	81	81	78	81	84	79	81	87	81	79	84	81	83	85	87	81	87	81	75	75	79	82	84	86	82	82	86	89	86	81.
	Minimum	50	49	54	59	57	54	57	60	63	60	61	63	67	65	58	56	56	58	62	62	63	42	43	44	43	49	57	49	54	57	60	55.
Morgantown	Maximum	69	79	84	83	82	82	88	79	....	....	84	79	86	83	84	88	90	88	88	85	74	76	79	83	87	88	81	84	87	92	....	83.
	Minimum	54	53	56	59	62	56	59	64	....	....	62	62	67	68	58	65	64	65	65	67	60	45	53	54	52	55	60	57	61	64	68	59.
New Cumberland§	Maximum	77	80	82	85	82	84	89	85	85	89	89	79	87	88	92	89	89	87	88	79	75	78	88	86	88	91	82	83	88	95	89	85.
	Minimum	56	51	54	56	58	58	59	64	61	61	61	62	65	66	57	59	59	61	64	66	61	47	49	52	53	54	56	48	53	58	64	57.
New Martinsville	Maximum	74	83	89	87	86	88	92	84	87	92	87	83	88	86	90	94	96	90	94	84	78	83	89	89	94	93	87	89	94	95	88	88.
	Minimum	50	50	53	55	58	54	57	61	64	60	62	60	64	65	60	58	57	58	62	62	60	45	46	46	47	50	57	52	55	60	63	56.
Parkersburg	Maximum	73	81	85	83	81	87	90	78	87	93	83	84	88	85	88	92	93	82	92	77	77	79	83	85	87	92	85	86	91	95	91	85.
	Minimum	58	54	57	60	64	59	61	68	68	68	68	67	69	69	65	62	66	68	69	65	62	52	55	56	56	56	65	60	64	69	67	62.
Parsons	Maximum	81	80	82	83	80	81	87	85	87	85	81	80	83	87	90	89	89	90	90	79	75	80	87	83	87	84	88	87	88	99	86	84.
	Minimum	49	47	49	50	46	49	55	58	59	59	59	58	64	64	60	67	65	60	60	60	61	40	42	43	43	45	54	56	60	69	65	55.
Philippi	Maximum	72	78	82	83	80	82	85	82	84	86	89	82	87	82	86	88	90	89	89	90	75	77	80	82	84	82	83	86	89	91	92	84.
	Minimum	53	49	55	59	59	56	55	65	66	64	63	65	66	58	57	62	59	64	65	65	60	44	45	47	47	53	62	57	58	61	62	58.
Pickens	Maximum	61	76	80	79	81	80	80	79	80	81	80	81	86	78	82	85	87	87	85	77	76	77	79	74	85	85	84	86	85	89	79	80.
	Minimum	48	43	48	51	50	52	61	52	55	57	59	60	61	62	58	52	52	55	61	57	55	39	46	40	45	42	52	52	53	50	57	52.
Terra Alta	Maximum	63	68	74	72	70	73	76	70	73	77	72	72	76	74	78	76	78	78	78	72	62	64	65	70	74	76	76	76	72	80	78	73
	Minimum	50	46	44	51	51	54	50	56	59	62	67	57	58	63	51	53	51	50	54	61	55	33	40	40	43	45	54	46	52	48	58	51
Wellsburg	Maximum	74	80	87	83	82	84	88	82	85	89	86	79	87	84	88	88	90	88	90	85	76	79	83	85	88	90	85	84	89	94	90	85
	Minimum	53	49	53	56	57	55	56	63	67	61	60	61	68	65	56	56	57	58	64	55	63	43	45	46	46	52	54	45	52	57	61	55
Wheeling§	Maximum	77	84	89	86	84	89	93	82	89	93	92	80	91	87	92	92	94	89	95	77	82	85	89	92	94	96	88	89	95	98	86	88
	Minimum	55	52	54	56	59	55	59	64	65	64	63	62	62	66	59	59	60	60	64	65	62	46	48	49	50	53	54	52	57	66	63	58
Southern Division																																	
Bluefield	Maximum	75	....	81	81	80	78	86	86	....	90	90	90	95	90	80	....	88	85	88	88	78	80	....	75	78	84	88	89	87	....	89	84
	Minimum	54	....	48	60	58	52	55	56	....	55	62	66	70	66	60	....	56	64	66	64	66	66	....	70	70	70	70	60	75	....	70	62
Charleston	Maximum	85	87	83	81	87	91	77	88	95	85	87	94	88	93	96	96	96	97	87	82	86	85	88	94	93	92	92	92	95	94	....	89
	Minimum	55	58	58	59	60	59	61	64	64	64	66	68	68	62	62	61	60	62	67	64	52	49	49	49	52	54	58	60	62	65	61	59
Gary §	Maximum	70	86	88	88	90	84	90	91	88	93	93	90	95	89	88	90	93	92	92	91	76	83	82	84	87	86	88	82	89	88	89	87
	Minimum	52	50	49	58	59	55	55	56	65	59	61	66	68	67	60	58	61	60	66	64	63	51	50	46	45	48	53	58	57	51	56	57
Hinton §	Maximum	78	81	77	82	80	78	84	84	84	85	92	86	86	84	85	88	87	92	86	86	76	80	76	85	74	84	....	....	....	....	....	83
	Minimum	60	54	68	60	60	62	60	62	70	62	65	70	70	65	70	64	62	64	68	68	64	54	52	53	53	53	60	63	61	60	62	62
Huntington §	Maximum	74	80	82	80	81	84	87	78	84	89	86	84	90	83	85	89	90	85	90	83	78	80	82	83	85	86	85	87	88	90	89	84
	Minimum	58	54	61	60	60	59	60	65	68	65	69	70	69	70	63	63	65	69	71	72	67	54	53	53	53	55	58	62	65	68	69	62
Lewisburg	Maximum	70	75	81	79	81	80	84	85	83	88	85	85	87	80	82	83	83	86	85	83	74	73	74	76	79	82	84	75	82	86	87	81
	Minimum	52	46	48	57	54	54	50	54	65	53	60	66	65	62	54	62	54	55	64	60	61	46	44	45	45	45	53	60	50	52	55	54
Marlinton	Maximum	70	70	74	74	76	74	80	76	78	84	80	82	84	78	80	78	80	78	82	78	70	68	70	74	76	78	80	74	74	84	82	77
	Minimum	46	44	46	52	52	52	58	54	58	56	58	66	60	56	52	54	50	48	60	54	50	44	40	42	40	44	52	56	50	50	54	51
Point Pleasant	Maximum	80	92	89	90	85	92	99	90	90	100	97	92	100	90	90	98	100	95	100	96	86	90	91	89	98	99	95	90	99	100	100	93
	Minimum	55	52	55	55	59	59	59	60	65	61	65	70	69	65	60	60	60	65	65	72	60	48	50	49	49	50	60	58	60	75	76	6
Ravenswood	Maximum	77	83	87	84	85	88	92	88	88	93	89	87	91	86	89	92	95	90	92	89	78	91	88	86	88	91	89	87	93	94	93	8
	Minimum	52	50	54	55	57	57	58	61	56	55	56	60	61	66	53	58	56	53	55	57	54	47	48	50	49	50	60	56	60	66	64	55
Robertsburg§	Maximum	74	86	86	88	86	88	92	78	88	93	80	90	92	87	91	93	95	88	93	81	80	82	91	93	93	92	88	91	95	96	92	88
	Minimum	51	49	55	54	56	56	56	60	66	60	61	66	68	64	58	56	60	60	63	66	63	46	46	46	46	48	53	56	61	62	62	57
Ryan	Maximum	73	82	86	83	81	83	91	76	88	94	82	85	94	88	90	92	96	85	97	80	80	83	87	87	90	92	90	90	94	96	94	87
	Minimum	48	47	53	54	55	55	53	58	68	59	60	66	66	67	56	56	51	58	62	64	65	44	44	44	43	46	56	54	54	59	61	55
Spencer §	Maximum	72	82	86	82	82	85	89	75	86	93	85	86	91	85	85	90	90	92	92	90	90	88	86	87	90	92	93	93	92	92	90	87
	Minimum	59	50	56	59	59	60	59	59	65	61	64	66	69	68	60	60	63	65	66	66	65	60	56	58	60	62	64	60	64	68	62	61
Summersville	Maximum	78	82	84	81	80	84	89	88	84	91	88	88	89	86	88	92	93	87	92	90	79	83	83	85	89	90	90	86	87	92	91	86
	Minimum	53	15	47	59	53	54	52	57	67	55	52	59	64	54	57	55	55	55	63	59	61	47	42	42	42	53	55	53	52	54	58	5
Sutton	Maximum	83	84	84	81	88	88	86	82	84	92	92	87	87	86	87	91	91	93	93	92	78	82	86	86	85	90	90	88	91	94	94	87
	Minimum	48	48	51	53	55	51	53	53	50	53	52	51	54	54	53	54	56	57	53	51	52	48	45	46	46	49	52	53	52	53	49	51
Union	Maximum	80	....	86	88	76	85	90	92	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	46	....	42	57	53	50	49	51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
White Sulphur Spgs§	Maximum	81	82	80	83	84	86	91	89	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	47	47	54	53	55	52	62	63	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Williamson§	Maximum	74	79	81	79	82	81	86	85	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	54	54	55	58	62	59	60	60	63	62	62	66	70	70	63	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[WBO, Cleveland, 9 25 25 - 820]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXIII PARKERSBURG, W. VA., SEPTEMBER, 1925 No. 9

GENERAL SUMMARY

The past month was the warmest September of State record, except in 1921, when the average temperature was the same, 70.9°. Lower temperatures were also recorded in every other September, except in 1920 and 1921. With the exception of two or three days in the last decade, the month was continuously warm. However, the month was mainly characterized by dry weather and unfavorably distributed rain. In many localities stock-water was scarce, and crops of late growth were practically destroyed by lack of moisture and high temperature. The drought was especially severe in the middle and lower portions of the Little Kanawha Valley and in most of the eastern counties Corn, especially late-planted, was much damaged. The month was free from severe storms. At the close of the month corn was mostly in the shock, threshing was well advanced, and winter wheat was being sown.

TEMPERATURE

The monthly mean for the State, determined from 51 stations, was 70.9°. The departure from the normal for 41 stations having ten or more years of record was +5.0°. The month opened warm and the temperature was continuously above the normal until the 21st. The highest readings were recorded on the 9-12th and 18-20th. The 22d and 23d were somewhat cooler than usual for the season, and the averages for the 24th and 25th were practically normal. The last four days were moderately warm.

PRECIPITATION

The average precipitation for the State, determined from 84 stations, was 2.29 inches. The departure from the normal for 50 stations having ten or more years of record was −0.73 inch. The rainfall was heaviest over the central and mountain counties, and lightest over the central and lower portions of the Little Kanawha Valley. Light showers fell in many localities on the 3d, 7th, 10th, and 12th. Heavy rain, however, fell at Kanawha Falls on the 7th. Light to moderate rain was quite general on the 13th, 14th, 15th, and 16th. There were also light to moderate showers on the 20th, 21st, 23d, and 27-28th. The rainfall was heaviest on the 13th, 15th, and 16th.

LIGHT HAIL

Light hail fell in sections of Berkeley County on the 13th, and in sections of Randolph County on the 15th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bancroft, 2d, 5th, 6th, 16th, 17th, 24th. 27th, 9th, and 30th; Bayard, 1st, 15th, and 17th; Davis, 28th and 9th; Elkins, 2d, 4th. 5th, 17th, 23d, 24th, 25th, and 29th; Huntington, 17th and 29th Mannington, 4th, 9th, and 17th; Marlinton, 1st, 4th to the 7th, 9th to the 12th, 17th to the 0th, and from the 24th to the 29th: New Cumberland, 2d, 4th, 6th, 7th, and 17th; Parkersburg, 17th; Rowlesburg, 2d, 4th, 5th, 11th, 12th, and 18th; St. Marys, 1st, 4th, 5th, and 17th; Terra Alta, 1st, 4th, and 17th; Wellsburg, 1st; Wheeling, 4th and 5th.

Frost, heavy: Bayard, 26th

Haze, light: Bayard, 4th, 9th, and 12th; Terra Alta, 6th, 8th, 9th, and 11th.

Thunderstorms (dates and number of stations reporting): 1st, 5; 3d, 8; 4th, 1; 5th, 1; 12th, 4; 13th, 4; 19th, 1; 20th, 2; 21st, 3; 27th, 2; 28th, 2.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.01	82	54	61	237.5	64	4,167	5.8	26	ne.	18
Columbus, Ohio	30.02	78	55	66	200.5	57	6,030	8.4	32	w.	15
Elkins	30.06	92	59	81	231.6	62	2,326	3.2	20	s.	12
Lexington, Ky	30.02	75	56	....	161.3	43	8,044	11.2	35	sw.	20
Parkersburg	30.04	76	48	57	216.7	58	2,964	4.1	18	sw.	20
Pittsburgh, Pa	30.04	80	58	64	202.6	54	6,584	9.1	37	nw.	20
Wytheville, Va	30.03	83	50	64	204.0	55	3,151	4.4	20	sw.	10

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	66.8	......	......	1.66	......	......	......	......	......	......
1892	64.4	92	32	2.57	......	......	......	......	......	......
1893	65.0	91	29	2.28	4.50	1.05	......	......	......	......
1894	67.8	98	31	2.50	4.75	1.25	......	12	11	7
1895	70.3	107	29	1.70	4.25	0.42	......	17	8	5
1896	65.2	95	22	4.59	9.04	1.58	......	14	9	7
1897	66.4	103	27	1.14	4.00	0.02	......	22	6	2
1898	67.6	97	33	2.42	4.75	0.80	......	16	10	4
1899	64.0	100	26	3.65	6.35	1.65	......	14	9	7
1900	71.1	100	35	1.92	5.50	0.34	......	14	10	6
1901	64.8	95	27	3.35	7.64	1.46	......	13	8	9
1902	64.8	98	25	2.98	4.81	1.23	......	12	9	9
1903	64.7	97	25	1.30	2.78	0.10	......	21	6	3
1904	67.0	95	25	1.76	4.55	0.53	......	16	10	4
1905	65.6	97	29	2.21	4.21	0.54	......	18	8	4
1906	69.9	97	38	3.25	5.44	0.57	......	12	10	8
1907	66.3	93	30	4.41	7.10	2.00	......	12	10	8
1908	65.9	99	24	0.95	2.54	0.26	......	21	6	3
1909	63.7	95	28	2.74	8.75	0.63	......	15	9	6
1910	68.4	97	32	3.50	6.04	0.50	......	12	11	7
1911	68.8	100	32	4.67	8.30	1.80	......	12	11	7
1912	68.6	98	30	3.85	9.18	1.13	......	17	7	6
1913	64.2	100	25	2.88	6.38	0.86	......	14	7	9
1914	63.2	97	24	1.58	5.65	0.17	......	18	6	6
1915	67.6	100	31	3.84	7.18	2.00	......	16	8	6
1916	63.0	99	27	3.71	7.88	1.01	......	18	6	6
1917	62.4	98	23	2.79	6.62	1.16	T.	17	7	6
1918	60.5	93	24	2.92	4.73	1.37	T.	15	7	8
1919	66.0	98	31	2.11	4.37	0.12	......	18	7	5
1920	66.7	96	34	3.14	5.38	1.34	......	16	7	7
1921	70.9	97	39	4.76	9.07	1.65	......	12	10	8
1922	67.2	100	25	2.14	5.64	0.10	......	21	5	4
1923	66.5	96	29	3.31	5.36	1.00	......	16	8	6
1924	60.7	100	26	5.96	8.97	2.80	T.	11	7	12
1925	70.9	102	34	2.29	5.89	0.50	......	14	9	7
Means and extremes	66.2	107	22	2.88	9.18	0.02	T.	16	8	6

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., September, 1925

See temperature and precipitation data in Climatological Tables, Pages 34, 35, and 36

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
arksburg	Evaporation	.128	.142	.120	.238	.127	.140	.120	.158	.133	.078	.132	.202	.240	.130	.154	.066	.110	.150	.150	.100	.200	.250	.160	.100	.040	.140	.089	.080	.134	.098	....	4.109
	Wind movement	28	30	24	32	30	7	22	71	24	17	31	11	58	60	35	37	30	26	32	12	69	99	65	35	38	48	28	44	34	45	....	1,122

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for September, 1925

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,700	24	65.6	+ 5.6	91	11†	34	26	45	5.74	+2.32	1.23	0	12	12	11	7	sw.	U. G. Clark
Brandywine	Pendleton	...	9	69.8	+ 5.8	95	12	40	26	42	1.50	−1.13	0.80	0	3	23	3	4	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	36	...	...	...	...	...	...	...	0.87	−2.01	0.30	0	6	...	...	...	...	J. C. Newcomer
Inwood	Berkeley	569	3	70.9	...	98	12	34	26	47	0.65	...	0.30	0	6	23	7	0	se.	H. W. Prettyman
Martinsburg	Berkeley	435	33	73.8^{a}	+ 7.7	102^{a}	12	41	26	43^{a}	1.44	−1.43	0.70	0	6	20	9	1	n.	Dr. H. S. Gardner
Moorefield	Hardy	900	29	72.2	+ 5.5	102	11	34	26	52	1.04	−1.52	0.28	0	6	28	0	2	...	M. S. Henkel
Piedmont	Mineral	919	12	68.4	+ 3.3	93	12	41	26	34	1.03	−1.33	0.51	0	4	16	12	2	nw.	C. A. Suter, Jr.
Romney ††	Hampshire	824	27	71.5^{d}	+ 5.6	102^{d}	11	39^{d}	26	44^{g}	1.39	−1.27	0.83	0	4	10^{c}	10^{c}	7^{c}	...	George E. Bergdoll
Stony River Dam	Grant	3,300	5	...	...	...	...	...	...	...	2.91	...	0.71	0	11	5	6	19	w.	A. C. Becker
Upper Tract	Pendleton	1,230	26	...	...	90^{p}	7†	...	...	...	...	...	...	...	...	...	...	...	...	J. M. Mallow
Wardensville	Hardy	1,200	7	69.8^{a}	...	95^{a}	12†	35	27	49^{a}	2.18	...	1.25	0	11	13^{b}	7^{b}	8^{b}	se.	Luther F. Sutton
Averages and	extremes	...	...	70.1	+ 5.6	102	11†	34	26	52	1.93	−0.85	1.25	0	7	18	7	5	sw.	
Northern Division																				
Aberdeen	Upshur	1,060	1	...	...	...	...	...	...	...	2.67	...	1.03	0	11	6	20	4	nw.	L. Else Bond
Bens Run	Pleasants	622	23	70.4	+ 2.7	94	11	51	22†	36	0.65	−1.70	0.28	0	5	18	7	5	...	J. D. Riggs
Benson	Harrison	1,080	2	70.6	...	98	11	42	25	44	2.60	...	0.88	0	11	8	21	1	...	R. D Marts
Brownsville	Lewis	1,032	2	72.4	...	100	11	45	26	44	3.09	...	1.34	0	11	9	16	5	...	S. L. Montgomery
Bruceton Mills	Preston	1,549	5	...	...	...	...	...	...	...	1.78	−1.74	0.52	0	9	3	21	6	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	28	68.4	+ 4.4	89	11	47	25†	32	2.08	−1.05	0.57	0	8	15	9	6	...	H. A. Darnall
Cairo	Ritchie	680	26	71.8	+ 3.9	97	11†	45	25	48	1.16	−1.45	0.56	0	6	17	8	5	...	O C. Hess
Clarksburg	Harrison	1,015	3	72.6^{a}	...	101^{a}	11	48	25	40^{a}	2.06	...	0.55	0	9	11	12	7	w.	Clarksburg Water Board
Cortland	Tucker	3,300	14	...	...	...	...	...	...	...	3.90	+0.42	1.10	0	6	7	19	4	...	G. W. Harmon
Crawford	Lewis	1,087	2	...	...	...	...	...	...	...	2.88	...	0.48	0	9	19	10	1	...	George W. Blair
Creston	Wirt	701	23	73.4	+ 6.2	99	11	46	25	44	1.38	−1.20	0.39	0	7	16	6	8	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	786	4	...	...	...	...	...	...	...	0.93	...	0.23	0	7	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	614	9	...	...	...	...	...	...	...	1.20	...	0.60	0	8	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	605	9	...	...	...	...	...	...	...	1.96	...	0.59	0	...	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	839	4	...	...	...	...	...	...	...	1.21	...	0.41	0	9	...	...	...	...	Lockmaster
Davis	Tucker	3,093	16	...	...	...	...	...	...	...	5.39	+1.62	1.54	0	12	...	...	...	...	Ross C. Male
Elizabeth [Dam 3 L.K.]	Wirt	615	13	...	...	...	...	...	...	...	0.55	−2.14	0.31	0	5	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	24	68.0	+ 5.0	91	11	47	25	36	4.55	+1.68	1.34	0	12	4	18	8	nw.	U. S. Weather Bureau
Evenwood	Randolph	...	0	...	...	...	...	...	...	...	3.57	...	0.75	0	10	7^{a}	14^{a}	8^{a}	...	Claude A. Cunningham
Fairmont	Marion	883	19	72.8	+ 6.2	98	12	47	23	41	1.45	−1.39	0.40	0	8	24	1	5	w.	Creed E. Bolyard
Glenville	Gilmer	738	31	74.8	+ 7.1	98	11†	47	26	40	2.59	−0.68	0.92	0	12	14	11	5	w.	Howard R. Brannon
Grafton (near)	Taylor	1,000	32	69.3^{a}	+ 2.9	99^{a}	11	38	25	48^{a}	2.11	−0.73	0.48	0	7	14	8	8	w.	Curtis Boice
Horner	Lewis	1,044	2	...	...	...	...	...	...	...	2.56	...	0.92	0	10	19	10	1	...	Thomas E. Miles
Horton	Randolph	2,775	0	...	...	...	...	...	...	...	2.83	...	0.58	0	9	4	9	17	sw.	J. W. White
Janelew (near)	Lewis	1,020	2	71.4	...	98	11	44	25	41	2.85	...	1.09	0	7	21	6	3	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	27	70.7	+ 5.8	99	11	43	25	43	2.74	−0.04	0.95	0	9	14	10	6	w.	Allen Smith
Mannington	Marion	974	22	69.0	+ 4.4	92	11	44	25†	41	1.56	−1.61	0.93	0	9	11	12	7	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	32	71.9	+ 4.7	95	11	45	22	36	1.08	−1.98	0.50	0	5	3	14	13	s.	Prof. E. L. Andrews
Moundsville	Marshall	642	22	71.0^{b}	+ 4.1	97^{a}	10	46^{a}	24	41^{c}	1.70	−0.81	0.83	0	6	10	9	11	sw.	Fred N. Wilson
New Cumberland	Hancock	987	27	68.8	+ 3.9	96	11	43	22	41	2.72	+0.19	0.94	0	11	16	3	11	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	31	71.6	+ 5.2	99	11	45	26	47	1.70	−0.95	1.00	0	4	17	10	3	s.	Wm. Ankrom
Parkersburg	Wood	638	38	74.0	+ 6.7	98	11	54	23	35	0.55	−2.17	0.29	0	6	12	9	9	n.	U. S. Weather Bureau
Parsons ^{d}	Tucker	1,656	25	71.1	+ 8.2	95	15	48	26	38	...	...	...	...	...	12	7	7	...	J. W. Swisher
Philippi	Barbour	1,149	28	71.2	+ 5.9	94	11	46	25†	36	3.24	+0.10	1.25	0	9	13	9	8	w.	Prof. W. B. Pimm
Pickens	Randolph	2,697	22	66.4	+ 4.8	86	7†	43	25	39	3.31	−0.62	1.53	0	8	15	12	3	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	2	...	...	...	...	...	...	...	3.00	...	1.36	0	10	3	24	3	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	38	...	...	...	...	...	...	...	3.16	+0.09	0.60	0	14	...	...	...	...	J. F. Pierce
Saint Marys	Pleasants	577	16	...	...	...	...	...	...	...	1.70	−0.80	1.14	0	9	...	...	...	sw.	Wm. Hughes
Smithfield	Wetzel	835	19	72.6	+ 8.1	100	12	44	25	41	1.46	−1.73	0.65	0	8	17	8	5	...	G. M. Whisler
Terra Alta	Preston	2,612	24	62.4	+ 0.1	87	11†	41	23†	38	2.23	−1.40	0.51	0	9	8	13	9	sw.	J. J. Shanahan
Valley Chapel	Lewis	1,011	2	73.0	...	99	11†	45	25	43	2.82	...	0.83	0	10	18	11	1	w.	J. C. Campbell
Vandalia	Lewis	1,120	2	...	...	...	...	...	...	...	2.85	...	1.41	0	4	...	...	...	...	Miss Phyllis West
Wellsburg	Brooke	1,225	24	68.9	+ 4.7	95	11	41	26	43	1.65	−1.15	0.90	0	6	14	13	3	w.	George P. Pfister
Wheeling	Ohio	646	38	71.4^{a}	+ 5.0	100^{a}	11	45	23†	43^{a}	1.35	−1.15	0.62	0	9	13	8	9	e.	Miss M. B Forsyth
Wymer	Randolph	...	...	...	...	...	...	...	...	...	3.96	...	1.00	0	6	21	1	8	e.	T. R. Ratzer
Averages and	extremes	...	...	70.7	+ 5.0	101	11	38	25	48	2.29	−0.83	1.54	0	8	13	11	6	w.	
Southern Division																				
Arbovale	Pocahontas	2,737	...	...	...	...	...	...	...	...	3.14	...	0.65	0	9	14	7	9	sw.	H. S. Sutton
Bancroft	Putnam	574	21	73.2	+ 4.9	100	6	50	30	47	1.71	−1.08	0.47	0	9	22	0	8	ne.	R. E. Dent
Beckley	Raleigh	2,440	25	68.6	+ 5.1	92	6	45	22	36	2.39	−0.09	0.64	0	8	12	17	1	w.	K. E. Williams
Bluefield	Mercer	2,558	30	76.8^{c}	+11.1	94^{c}	9†	52^{e}	28	33^{e}	1.04	−1.62	0.54	0	6	16^{f}	0^{f}	8^{f}	...	Norfolk & Western Ry
Camden-on-Gauley	Webster	2,062	10	...	...	...	...	...	...	...	2.84	...	1.60	0	3	19	0	11	s.	Miss Katie Jarvis
Charleston	Kanawha	597	22	74.2^{a}	+ 3.1	100^{a}	3†	52	22†	46^{a}	3.08	−0.05	0.86	0	9	11	0	19	...	R O. Fields
Clay	Clay	706	9	...	...	...	...	...	...	...	3.81	...	0.97	0	12	...	...	...	...	Ted Thomas
Dam 6 G. K.	Kanawha	...	...	...	...	...	...	...	...	...	2.91	...	1.09	0	9	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	557	9	...	...	...	...	...	...	...	1.00	...	0.54	0	6	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	551	9	...	...	...	...	...	...	...	0.96	...	0.45	0	5	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	505	9	...	...	...	...	...	...	...	0.70	...	0.25	0	5	...	...	...	...	U. S. Engineer Office
Gary	McDowell	1,426	9	73.0	...	98	6	50	30	44	1.76	...	0.89	0	12	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,450	28	71.7	+ 4.1	94	5	50	2	36	1.28	−1.48	0.57	0	5	10	11	9	...	Mrs J. R. Baber
Huntington	Cabell	538	31	73.4	+ 5.2	93	3†	53	30	35	0.64	−2.08	0.20	0	8	10	3	17	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	6	...	...	...	...	...	...	...	5.89	...	2.75	0	7	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	9	...	...	...	...	...	...	...	4.07	...	1.34	0	14	...	...	...	...	Cabin Creek Con. Coal Co.
Lewisburg	Greenbrier	2,200	25	69.0	+ 4.9	92	12	47	27	42	1.32	−1.51	0.51	0	3	15	12	3	nw.	Geo. T. Argabate
Logan	Logan	700	22	...	...	...	...	...	...	...	4.54	+1.55	1.12	0	11	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	26	64.9	+ 3.5	88	11	44	26†	36	2.27	−0.84	0.75	0	7	3	25	2	sw.	S. L. Brown
Point Pleasant	Mason	553	32	...	...	...	...	45	13	...	2.42	−0.10	1.00	0	8	24	0	6	s.	Miss Grace E. Henson
Powellton	Fayette	933	28	...	...	...	...	...	...	...	2.23	−0.75	0.75	0	8	...	...	...	...	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	538	10	72.0	...	97	11	41	18	52	1.54	...	0.75	0	8	18	0	12	se.	Lockmaster
Robertsburg	Putnam	574	25	73.7	+ 5.6	100	11	49	30	45	1.45	−0.86	0.45	0	6	14	0	16	...	M. Frazier
Ryan	Roane	700	22	72.2	+ 5.9	99	11	46	25	48	1.90	−0.89	0.44	0	10	12	13	5	...	Wm. E. Ryan
Sharples	Logan	...	5	...	...	...	...	...	...	...	3.77	...	1.02	0	7	...	...	...	...	E. H. Locke
Spencer††	Roane	781	21	73.9	+ 9.4	98	5†	49	30	46	1.36	−1.58	0.55	0	6	7	19	4	...	A. M. McKown
Summersville	Nicholas	1,894	1	70.6	...	95	4†	48	5†	47	2.48	...	0.75	0	8	18	0	12	...	J. O. McMillion
Sutton	Braxton	839	19	70.4	+ 0.3	98	11†	47	26	44	5.29	+2.13	1.78	0	9	20	0	10	...	C. B. Eakle
Union ^{d}	Monroe	2,250	21	71.1	+ 6.0	97	7	44	22	47	1.97	−0.63	0.70	0	8	13	9	4	...	W. M. H. Young
Wayne	Wayne	598	...	...	...	...	...	...	...	...	0.50	...	0.17	0	7	...	...	...	...	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,940	15	70.2^{a}	+ 5.8	96	10	45	23†	49^{a}	1.92	−1.21	0.98	0	5	24	1	5	...	E. J. Comar
Williamson	Mingo	660	25	71.9	+ 2.6	92	6	55	6	37	3.28	+0.26	1.08	0	8	18	9	3	w.	J. F. Keyser
Averages and	extremes	...	...	71.6	+ 4.9	100	3†	41	18	52	2.39	−0.54	2.75	0	8	15	6	9	w.	
State averages and	extremes	...	...	70.9	+ 5.0	102	11†	34	26	52	2.29	−0.73	2.75	0	8	14	9	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for September, 1925

Stations	Drainage basin	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Panhandle Division																																	
Bayard	Potomac	1.04	.07	.11				.31	T.					1.23	.63	.04	T.	1.09	T.		.07	1.06	.03	T.					.06				5.74
Brandywine	do				.40								T.		.30	.80							T.										1.50
Harpers Ferry ‖	do	.11						.18									.02			.08		T.		.40									0.87
Inwood	do			T.			.06						.12	.07		.08	.01				.07								.15				0.65
Martinsburg ‖	do	.10		.03										.70	.11		.17			T.					T.				.30				1.41
Moorefield	do															.17	.16	.22				.28							.30				1.04
Piedmont	do			.40											.51	.10					T.	T.							.15				1.03
Romney	do						.13					.83				.38				.05									.02				1.39
Stony River Dam ‖	do	.10		.10				.21						.40	.20	.01	.28	.22				.71		.05					.63				2.91
Upper Tract	do												.20	T.	T.	T.																	
Wardensville ‖	do	1.25		.24	.04	.05								.01	.10	.04	.10	.10				.15			T.				.10				2.18
Northern Division																																	
Aberdeen	Monongahela	.05		.64							T.			1.03	.01	.16	.19			.04		.31		.02				.10	.09				2.67
Bens Run	Ohio			.28										.03		.25	.04												.05				0.65
Benson	Monongahela	.09		.75							.03			.26	.12	.07	.07			.06		.88						.16	.11				2.60
Brownsville	do	.07		.65				.01			.01		T.	1.34	.07	.40				.06		.14						.03	.31				3.09
Bruceton Mills	do			.26			T.	.52		T.	T.			.33	.04	.10	.01		T.		T.	.17	T.					.31	.04				1.78
Buckhannon	do			.57							T.			.50		.18	.20					.20		.06				.15	.22				2.08
Cairo	Little Kanawha			T.				T.		T.	T.			.09	T.	.01	.12					.56						.19	.19				1.16
Clarksburg	Monongahela	.12		.55				.01						.24	.02		.40	.01				.32							.39				2.06
Cortland	do						.90							.40	.50						1.10		.50								.50		3.90
Crawford	Little Kanawha	.17		.70										.48	.25	.46				.05				.27				.18	.32				2.88
Creston	Monongahela	.37		.03	T.						.02	T.		.39	.08	T.	.18	T.				T.		T.					.31				1.38
Dam 10, Mon. R. ‖	Ohio			.20	.06			.23				.01		.14			.09												.20				0.93
Dam 12, O. R.	do			.60				.07			.01			.01	.08	.09	.18												.16				1.20
Dam 13, O. R. ‖	Monongahela			.55				.15			.02				.22	.15	.28												.59				1.96
Dam 15, Mon. R. ‖	do	.03		.22	.18			.04						.17			.07			.03		.06							.41				1.21
Davis	do	.26			.29			.18						1.54	.36		.48	.17				1.26	.02	.03					.79	.01			5.39
Elizabeth	Little Kanawha							.05						.01			.15					.03							.31				0.55
Elkins ***	Monongahela	.01		.67				T.			T.		.89	.45		.24	1.00				.02	.22	.02	.21				.46	.36				4.55
Evenwood	do			.34									.22	.53	.23	.06	.75					.48		.26				.40	.30				3.57
Fairmont	do	.21		.40	.05			.04		T.		T.	T.	.22	T.	T.	T.	T.		.31		.07		T.	T.				.15				1.45
lenville	Little Kanawha	.92		.17				.06		T.	.02			.38	.05		.40	.05		.04		.09		.07					.34				2.59
rafton (near) ‖	Monongahela	.05		.48				.05			T.			.40		.41						.36							.36				2.11
orner	do	.20	.60											.92	.10	.30	.12			.10		.12		.04				.06					2.56
orton	Monongahela			.52				.06					.05	.12		.30	.58						.47	T.	.37			T.	.36				2.83
anelew (near)	do	.20		.65							T.			1.00		.30	.10					.45						.15					2.85
ost Creek	do	.20		.74										.47	.04	.06	.04					.95		T.				.11	.13				2.74
Mannington	do	.05		.93				.08						.17		.03				.05		.05						.15	.05				1.56
Morgantown	do			.23			.50							.13		.10	T.											.12					1.08
Moundsville ‖	Ohio			.83			.08			.02				.08		.16												.53					1.70
New Cumberland ‖	do			.49				.25		.02	.03		.05	.16	.37	.14	.16					.94							.11				2.72
New Martinsville	do			1.00				.25								.20													.25				1.70
Parkersburg ***	do			T.			T.			T.	T.		T.	.03		.17	.02		.01		.29		T.					.03					0.55
arsons	Monongahela	*	*				*										1.84		*														†††
hilippi	do	.20		.70										.42		.09	T.	.17		T.		1.25		.05				.08	.28				3.24
ickens	do			.38				.15			T.				.05	.70	.83					.38						.32	.50				3.31
oanoke	do	T.		.77								T.		1.36	.03	.08	.02			.05		.25		.06				.07	.31				3.00
owlesburg ‖	do	.40		.12	.18			.25						.28	.32		.12	.30		.25		.29		.02	.03				.60				3.16
aint Marys ‖	Ohio	1.14		.08	.02			.02			T.				.02	.21	.04			T.		.02							.15				1.70
mithfield ‖	Fishing Creek	.04		.65				.08						.31		.01	.03					.06							.28				1.46
erra Alta	Monongahela	T.		.23				.31	T.	T.				.20		.09	.39				T.	.51		.05				.15	.30				2.23
alley Chapel	do	.19		.61				.05			.01			.60		.02	.02			.15		.83						.34					2.82
andalia	do	.22													1.41	.65													.57				2.85
ellsburg	Ohio			.09			T.	.20		T.			T.	.12		.90						.25							.09				1.65
heeling ‖	Ohio	.03		.62				.10		.01	T.	T.		.03	.10	.10	.18											T.	.18				1.35
ymer	Monongahela			.87				.06								.80	1.00					.45						.78					3.96
Southern Division																																	
rbovale	Great Kanawha			.53	.07								.65	.23	.60	.20	.39							.46					.01				3.14
ancroft ‖	do	.36						.05						.22	.05	.23			.18		.10			.05					.47				1.71
ckley	do							.21			.18		.64		.27	.10	.60							.24					.15				2.39
uefield	do										.10				.11	.03	.54						.08	.18									1.04
mden-on-Gauley ‖	do										.80					1.60						.44											2.84
arleston ‖	do	.38						.20					.21	.14		.86	.16		.04		.26							.80					3.08
w	do	.19		.03	.03									.90	.07		.90	.25		.34		.08		.22	.01				.79				3.81
m 6 G. K.	do		.29					.03		.10				.82			.19				.20	.16		.03					1.09				2.91
m 19 O. R. ‖	Ohio	.54		T.						T.	T.	T.		T.	.14	.14	.04					.04	T.	T.					.10				1.00
m 20 O. R. ‖	do	.45													.11	.15						.05							.20				0.96
m 26 O. R. ‖	do															.05	.15					.15		.10					.25				0.70
rv ‖	Big Sandy								.12		.17	.03	.03	.14	.02		.87	.02			.25		.02	.07	.02								1.76
ton	do								.09					.19			.57							.39	.04								1.28
ntington ‖	Ohio	.02									T.				.06	.12	.10		T.	.06		.06	T.	.02					.20				0.64
nawha Falls ‖	Great Kanawha	.90							2.75					.90	.18			.20				.15							.81				5.89
yford ‖	do	.04							.20	T.	.08		.08	1.34	.33		.86	.29		.02	.01		.05	.05	.05				.67	T.			4.07
visburg	do			.43						T.			T.	T.		T.	.51						T.	.38									1.32
ran	Guyandotte	.20						.06	.42		.18			1.12	.74		.93			.06	.15			.15					.53				4.54
rlinton	Great Kanawha			.24						T.			T.	.32	T.	.14	.72					.04	.06	.75									2.27
nt Pleasant ‖	Ohio	.40									.08				.12	.20	1.00					.12		.20					.30				2.42
vellton	Great Kanawha	*	*					.75						.75		.20	.50							.01					.02				2.23
enswood (Dam 22	Ohio	.75			.02			.05								.07	.35	T.				.12		.03					.15				1.54
ertsburg ‖	Great Kanawha	.45													.12	.05	.39					.05							.39				1.45
n	do				.01			.03			.08	.22		.44		.19	.42						.09	T.				.02	.40				1.90
rples ‖	Coal River	T.						.17			.15			.61	.92		1.02		.18								.72				T.		3.77
neer	Great Kanawha				T.		.14							.22	.10		.55					T.	T.	.07					.28				1.36
mersville	Gauley	.20		.18					.09					.75		.53	.31					.20		.22									2.48
on	Great Kanawha			.45				.16						1.02		.72	1.78					.30	T.	.33				.10	.43				5.29
on	do	.70		.23				.04					.15		.11	T.	.47						.15	.12									1.97
ne	Big Sandy	T.	.03												.10	.10				.03		.06		.01					.17				0.50
te Sulpr. Spgs ‖	Great Kanawha			.02				.02						.55		.98							.35										1.92
liamson ‖	Big Sandy	.02	.02								.42		T.	.40	.45		1.08							.56					.33				3.28

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

††† Probably incomplete.

Daily Temperatures for September, 1925

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	82	85	85	85	87	86	87	87	87	83	91	91	88	75	76	76	73	83	83	84	85	72	71	69	72	74	76	74	69	65	....	80.
	Minimum	50	43	53	51	42	48	59	62	47	51	60	53	69	61	58	57	56	43	50	50	65	45	43	42	42	34	37	62	57	48	....	51.1
Brandywine	Maximum	87	88	86	87	89	90	94	85	84	86	92	95	92	89	88	86	80	88	90	89	85	80	65	78	75	75	82	80	78	70	....	84.4
	Minimum	55	47	52	55	60	61	64	62	50	60	63	62	61	60	63	60	55	46	59	60	58	50	48	51	50	40	49	50	46	57	....	55.1
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Inwood	Maximum	86	84	93	94	88	88	93	85	86	93	96	98	92	82	85	80	81	93	92	97	89	79	68	82	80	75	85	83	73	66	....	85.5
	Minimum	61	54	64	63	59	57	66	64	56	58	61	64	64	67	62	63	60	49	47	50	71	49	48	45	45	34	42	64	54	47	....	56.3
Martinsburg§	Maximum	93	90	93	99	93	98	96	92	89	99	100	102	95	87	79	85	85	96	92	99	89	67	65	85	76	77	87	87	71	....	....	88.5
	Minimum	62	55	57	66	62	59	68	62	60	60	63	67	70	68	65	65	62	53	55	68	69	52	51	48	53	41	44	65	57	50	....	59.
Moorfield	Maximum	96	92	95	96	94	98	99	93	90	93	102	101	98	90	87	81	85	95	93	101	96	80	69	85	91	86	94	87	83	74	....	90.
	Minimum	55	45	69	55	49	52	63	64	50	57	60	61	62	64	60	62	54	45	62	51	64	47	44	49	42	34	48	57	42	44	....	53.
Piedmont	Maximum	85	84	85	85	87	87	85	80	88	87	91	93	85	78	72	74	77	86	83	87	78	68	61	73	72	72	81	77	70	60	....	79.
	Minimum	61	50	60	56	55	58	64	67	66	59	63	62	67	64	63	65	57	52	64	55	68	50	46	47	46	41	50	61	52	48	....	57.
Romney	Maximum	97	90	....	....	94	91	93	85	86	101	102	94	....	85	82	81	83	92	92	96	85	69	70	80	78	83	90	84	71	....	....	86.
	Minimum	....	49	61	....	....	54	67	69	55	59	63	67	66	....	64	65	58	49	56	55	69	50	50	45	45	39	50	61	51	46	....	56.
Upper Tract	Maximum	....	76	....	87	85	....	90	84	....	....	90	90	84	....	75	....	78	....	80	79	78	76	....	....	....	....	....	....	....	....	....	82.
	Minimum	....	48	....	57	51	....	55	55	....	....	53	68	68	....	63	....	55	....	50	48	47	44	....	....	....	....	....	....	....	....	....	54.
Wardensville§	Maximum	91	89	89	92	92	90	89	90	92	94	93	95	91	84	79	80	83	90	94	95	86	85	81	80	80	82	84	84	78	....	....	87.
	Minimum	57	50	61	57	53	62	51	52	63	61	63	64	66	64	62	63	53	46	48	46	40	50	45	46	45	40	35	36	48	46	....	52.
Northern Division																																	
Bens Run	Maximum	87	75	88	83	80	79	84	81	91	90	94	88	84	78	80	74	75	78	75	74	74	73	76	76	75	88	78	74	74	69	....	79.
	Minimum	64	57	61	63	62	59	67	67	62	67	68	69	70	64	66	66	60	56	67	70	52	51	52	54	52	52	60	67	58	51	....	61.
Buckhannon	Maximum	79	82	82	83	82	86	86	78	84	84	89	88	82	77	78	75	75	83	82	86	78	66	67	71	69	79	78	76	70	74	....	79.
	Minimum	57	58	61	51	53	55	62	57	57	62	63	64	67	66	64	65	58	52	62	63	66	50	51	51	47	47	53	66	50	54	....	57.
Cairo	Maximum	87	88	95	93	93	92	94	86	93	91	97	94	82	82	83	82	84	97	96	96	85	68	77	79	87	85	82	83	74	78	....	86.
	Minimum	61	51	57	59	50	52	51	61	55	60	63	63	67	59	65	65	55	49	55	60	61	52	53	65	45	52	54	61	54	47	....	56.
Clarksburg	Maximum	93	90	93	92	92	93	90	86	89	95	101	97	86	83	86	80	83	92	90	93	82	67	76	76	74	89	86	86	72	....	....	86.
	Minimum	60	57	53	59	53	56	65	68	57	62	63	65	67	65	65	65	57	52	61	62	71	50	52	50	48	50	53	63	53	52	....	58.
Creston	Maximum	88	92	96	95	96	96	94	89	95	95	99	94	86	84	86	82	86	95	95	96	88	78	77	79	78	87	80	84	78	83	....	88.
	Minimum	61	53	60	60	52	52	67	60	56	64	62	64	67	62	65	66	56	52	65	63	72	54	52	52	46	50	55	61	51	48	....	58.
Elkins	Maximum	80	84	84	84	86	88	86	77	85	86	91	90	83	80	79	74	75	86	82	86	78	66	67	71	71	78	80	75	69	74	....	79.
	Minimum	56	52	57	58	52	52	66	59	54	59	60	61	65	63	63	62	56	51	61	59	56	51	52	50	47	48	60	54	52	50	....	56.
Fairmont§	Maximum	92	94	87	97	93	90	95	86	86	95	97	98	82	84	84	82	84	94	86	92	88	70	81	80	78	88	87	88	72	78	....	86.
	Minimum	61	53	55	60	55	56	64	67	59	60	68	66	67	63	65	65	57	54	58	67	70	49	47	53	49	49	58	61	54	52	....	58.
Glenville	Maximum	92	95	97	94	94	91	94	94	95	94	98	98	92	85	87	86	85	91	92	93	92	80	88	81	78	87	83	84	85	89	....	89.
	Minimum	61	55	60	65	57	56	66	65	59	62	61	62	68	66	66	67	60	56	58	66	75	54	52	51	49	47	53	64	63	50	....	59
Lost Creek	Maximum	87	88	90	91	92	91	92	86	89	92	99	95	82	82	83	80	84	91	90	93	89	69	75	79	81	87	80	82	75	80	....	85
	Minimum	55	50	58	49	54	51	64	64	52	60	60	62	65	63	61	62	53	48	60	60	68	48	50	48	43	47	50	68	48	47	....	55.
Mannington	Maximum	84	86	86	87	85	85	86	80	82	87	92	90	83	78	81	78	77	89	86	91	86	71	73	76	70	82	81	78	68	73	....	81
	Minimum	59	49	59	58	51	56	63	65	56	59	62	62	67	61	63	64	55	48	63	58	69	48	51	46	44	44	53	61	52	46	....	56.
Morgantown	Maximum	85	88	86	89	89	90	88	80	86	92	95	94	85	78	84	79	79	92	84	92	86	66	75	73	72	87	84	79	72	70	....	83
	Minimum	60	58	60	58	55	65	65	65	57	71	70	73	67	62	66	64	58	56	65	68	65	45	50	55	47	54	62	64	53	52	....	60.
New Cumberland§	Maximum	87	88	91	88	86	86	83	81	87	91	96	88	80	74	82	78	81	91	92	94	72	62	73	76	64	81	80	77	70	70	....	81
	Minimum	56	47	54	58	55	57	63	63	58	63	63	66	65	62	62	59	55	56	57	58	61	43	44	48	48	45	54	63	53	50	....	56
New Martinsville	Maximum	91	94	96	92	91	89	91	84	92	90	99	94	85	80	80	80	84	96	92	86	89	72	80	80	81	92	82	82	75	77	....	86
	Minimum	60	59	56	58	52	57	62	64	57	61	62	63	66	60	62	61	57	50	63	60	65	46	48	46	48	45	54	60	53	48	....	56
Parkersburg	Maximum	86	89	96	91	90	92	92	84	93	90	98	91	79	79	83	80	84	94	91	96	77	66	76	78	74	86	80	82	72	76	....	84
	Minimum	64	61	63	65	60	58	70	65	64	72	72	74	70	66	67	67	60	59	69	72	60	54	54	58	55	58	65	64	59	54	....	63
Parsons	Maximum	80	85	86	89	88	88	85	..	....	....	....	86	88	90	95	83	86	80	88	87	89	88	75	74	73	80	82	79	79	72	....	83
	Minimum	58	60	60	61	62	63	65	..	....	....	....	66	65	66	66	65	65	62	60	60	59	50	50	50	50	48	50	56	52	52	....	58
Philippi	Maximum	75	78	86	89	89	90	90	85	86	89	94	93	89	81	82	79	80	89	87	90	88	73	71	75	72	82	81	82	76	79	....	83
	Minimum	56	53	60	58	53	63	65	61	60	69	62	70	66	64	65	62	66	55	65	67	67	48	48	55	46	46	59	63	51	54	....	59
Pickens	Maximum	83	85	82	78	79	81	86	78	84	86	79	82	81	83	78	70	76	84	83	85	77	73	70	68	72	80	80	71	73	76	....	78
	Minimum	57	46	53	52	47	58	59	58	50	60	62	59	65	61	58	60	50	48	57	61	58	48	50	48	43	48	55	55	46	46	....	53
Terra Alta	Maximum	76	77	77	79	80	81	76	71	72	78	87	87	77	72	74	69	67	76	78	79	77	63	62	65	65	69	72	71	64	55	....	75
	Minimum	52	43	54	50	42	52	60	60	47	54	57	58	62	58	60	58	52	46	63	50	62	42	41	47	41	43	46	60	46	45	....	57
Wellsburg	Maximum	88	88	92	91	90	84	84	81	85	90	95	86	78	76	81	76	80	91	82	94	88	71	72	78	72	82	77	78	72	70	....	82
	Minimum	59	45	60	57	50	58	62	64	57	61	61	64	66	61	61	60	62	50	59	55	60	42	43	46	44	41	55	62	52	44	....	5
Wheeling§	Maximum	94	92	95	96	96	89	90	85	86	94	100	89	78	79	84	80	87	96	89	97	82	66	72	72	77	88	32	84	71	....	....	8
	Minimum	59	53	52	58	54	58	63	64	59	62	65	72	68	60	62	59	56	54	59	59	64	46	45	48	48	45	51	59	55	50	....	56
Southern Division																																	
Bluefield	Maximum	84	90	92	93	90	....	....	93	94	92	94	90	....	93	86	78	81	86	84	....	84	78	72	75	80	83	....	81	79	77	....	8
	Minimum	70	73	75	74	76	....	....	72	76	68	78	75	....	60	72	66	60	73	72	....	72	60	58	68	73	70	....	52	54	64	....	6
Charleston	Maximum	94	98	100	100	99	97	92	90	93	100	97	80	85	87	83	86	95	95	97	84	67	73	80	83	83	79	80	79	84	....	....	8
	Minimum	62	62	64	54	55	59	62	60	64	64	66	66	66	66	67	60	58	62	66	68	58	52	52	55	54	56	58	59	56	56	....	6
Gary §	Maximum	84	92	95	94	95	98	95	88	95	88	93	95	82	86	89	81	84	88	87	93	81	72	72	77	83	79	86	80	79	82	....	8
	Minimum	55	55	55	59	51	55	64	66	56	63	63	63	65	64	63	66	59	54	58	63	64	64	62	59	60	58	54	64	56	50	....	5
Hinton §	Maximum	62	82	78	88	94	84	90	78	90	88	85	90	88	84	82	80	78	82	78	92	80	74	78	77	82	74	86	75	70	72	....	8
	Minimum	53	50	62	66	58	58	67	69	60	68	64	64	68	68	66	68	62	58	68	56	70	64	60	63	58	56	56	65	58	56	....	6
Huntington §	Maximum	83	86	93	92	90	93	92	86	91	86	93	87	81	80	83	80	81	90	89	92	83	74	71	77	76	80	77	76	74	77	....	8
	Minimum	63	60	62	70	60	58	60	68	64	67	69	71	72	67	68	69	61	58	61	70	70	58	55	55	59	58	62	66	57	53	....	6
Lewisburg	Maximum	83	85	86	89	89	91	89	81	85	86	90	92	83	83	85	77	78	85	87	89	82	69	65	75	77	73	81	78	77	71	....	8
	Minimum	53	51	54	62	48	54	64	64	51	59	48	59	64	61	61	63	54	48	58	60	66	55	53	55	50	49	47	62	50	55	....	5
Marlinton	Maximum	80	82	80	84	84	86	84	78	80	84	88	86	80	78	74	74	72	78	82	84	74	64	60	66	70	72	74	72	70	60	....	7
	Minimum	52	50	52	58	56	50	60	62	58	52	56	58	58	54	56	56	50	48	52	58	60	52	48	50	48	44	44	52	48	52	....	5
Point Pleasant	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	61	55	60	65	55	50	61	60	56	70	68	65	45	62	60	58	58	59	57	69	69	48	50	55	54	57	54	60	64	59	....	5
Ravenswood	Maximum	86	90	95	94	92	93	92	90	93	91	97	91	95	93	84	82	85	93	92	96	92	78	75	78	77	85	82	82	79	81	....	8
	Minimum	62	55	63	61	54	58	57	57	51	58	59	57	59	53	57	56	48	51	56	66	71	54	53	53	52	51	61	61	56	49	....	5
Robertsburg§	Maximum	88	92	97	96	98	98	95	90	98	95	100	90	85	80	85	80	88	94	97	95	80	80	78	80	82	88	80	81	78	80	....	8
	Minimum	60	56	60	64	53	53	67	60	58	63	64	65	66	62	65	65	56	54	65	64	69	54	55	53	53	51	58	61	51	49	....	5
Ryan	Maximum	88	91	97	95	95	98	97	87	95	94	99	95	80	84	84	82	85	92	93	98	84	85	80	80	79	86	80	82	77	83	....	8
	Minimum	59	51	54	61	50	50	64	56	55	62	60	64	60	61	64	66	54	51	64	61	62	55	50	48	46	50	54	58	51	47	....	5
Spencer §	Maximum	90	88	95	95	98	98	90	90	94	96	96	98	80	84	85	82	83	92	92	97	81	70	75	78	76	68	80	80	84	75	....	8
	Minimum	70	71	70	62	52	65	60	60	60	61	67	70	72	62	65	66	56	55	57	67	71	54	50	54	53	64	63	64	54	49	....	6
Summersville	Maximum	84	92	91	95	95	94	91	86	89	93	95	95	83	82	81	77	80	90	88	91	84	80	75	73	79	78	80	76	79	80	....	8
	Minimum	55	52	54	56	48	52	63	64	51	53	59	60	64	65	62	64	55	49	60	59	67	61	53	51	50	52	52	54	50	48	....	5
Sutton	Maximum	85	87	90	91	92	93	93	93	92	93	98	98	95	83	87	87	85	90	90	95	95	79	70	80	80	83	83	85	85	76	....	8
	Minimum	57	55	55	56	50	51	54	53	55	54	54	56	52	55	53	55	53	51	53	55	57	52	48	52	50	47	51	53	55	51	....	5
Union	Maximum	88	91	93	96	95	....	97	90	93	91	95	95	....	90	89	81	84	89	91	....	94	88	69	73	83	83	....	82	81	81	....	8
	Minimum	53	51	55	59	48	....	57	63	52	60	56	61	....	62	61	61	52	46	57	....	57	44	53	53	51	52	....	50	47	49	....	5
White Sulphur Spgs§	Maximum	91	86	95	95	94	94	87	91	94	96	95	85	87	84	81	83	89	90	90	84	68	65	81	80	70	82	80	80	71	....	....	8
	Minimum	54	53	58	46	52	62	62	52	57	57	58	59	62	62	62	55	50	59	60	60	55	53	45	47	51	45	60	53	55	58	....	5
Williamson §	Maximum	80	82	91	89	89	92	91	85	91	85	89	85	80	80	84	78	79	86	88	89	78	68	66	75	76	78	80	76	74	79	....	8
	Minimum	62	62	59	59	58	55	56	67	61	62	65	65	66	68	66	66	62	59	59	68	68	62	58	58	60	60	62	62	60	57	....	6

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[WBO, Cleveland, 11-19-25—820]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorolcgist

VOL. XXXIII PARKERSBURG, W. VA., OCTOBER, 1925 No. 10

GENERAL SUMMARY

The past month was by far the wettest October of State record, the average precipitation, 7.30 inches, exceeding that of the previous wettest October by nearly 1 50 inches. It was also wetter than any September, November, or December of State record. Rain was recorded at four or more stations on every day of the month, and at nine stations the monthly amounts exceeded 10 inches. The average snowfall, 4.3 inches, was also exceptionally heavy, but not as heavy as in October, 1917. As a rule, the snowfall for October is unimportant. While the streams and smaller rivers were high, flood stages were not noted. The month was also exceptionally cloudy and cold. Since 1895 the average State temperature for October has been 50° or above, except in 1917, when the average was 49.2°, and for the present month, with an average of 49.3°. The average number of cloudy days, 19, was the greatest of October State record. In most of the agricultural districts the first frost of the season was a killing frost on the 10th, which caused much damage to late vegetation The month was exceptionally unfavorable for outdoor work and shocked corn. Much corn was damaged by continued wet weather.

TEMPERATURE

The monthly mean for the State, determined from 53 stations, vas 49.3°. The departure from the normal for 44 stations aving ten or more years of record was —6.0°. The temperaure was somewhat above the normal from the 1st to the 5th and he 14th to the 18th, with the highest readings occurring generlly on the 1st and 3d. From the 7th to the 14th and the 19th o the 31st, inclusive, the temperature was below the normal, he periods from the 9th to the 12th, the 19th to the 23d, and om the 28th to the end of the month being exceptionally cold r the season. The lowest temperatures generally occurred on e 29th.

PRECIPITATION

The average precipitation for the State, determined from 84 ations, was 7.30 inches. The departure from the normal for) stations having ten or more years of record was +4.44 inches. he precipitation was heaviest over the central and mountain unties and was lightest over the extreme eastern counties. e greater part of the precipitation was recorded on the 2d-5th, h, 9-10th, 12-17th, 22d, 24-25th, and 29-30th, the greatest ounts being measured on the 4th, 16-17th, and 24-25th. ght snow fell in many mountain localities on the 10th and st-22d, but most of the snowfall was received on the 29-30th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, Davis, and Moundsville, 14th; Bruce Mills. 22d; Stony River Dam, 2d, 13th, 14th, 18th, and 31st; Terra Alta, 15th and 22d.

Hail: Creston, 4th.

Halos, lunar: Bayard, 23d and 24th.

Sleet: Bayard, 22d; Cairo, 19th; Clarksburg, 10th; Lost Creek, 10th and 20th; Moundsville, 28th; Stony River Dam, 22d; Pickens, 25th.

Thunderstorms (dates and number of stations reporting): 2d, 1: 3d, 7; 4th, 10; 5th, 3; 16th, 2, 17th, 1; 26th, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity: Miles per hour	Max. velocity: Direction	Max. velocity: Date
Cincinnati, Ohio...	30 05	86	70	70	78.6	23	4,556	6.1	31	nw.	26
Columbus, Ohio...	30.04	84	75	78	69.1	20	6,148	8.3	46	w.	25
Elkins........	30.05	86	70	81	129.3	37	4,265	5.7	36	w.	25
Lexington, Ky.....	30.01	87	76	....	57.6	16	8,479	11.4	38	w.	26
Parkersburg.......	30.05	80	66	76	85.7	25	3,926	5.3	32	nw.	26
Pittsburgh, Pa.....	30.03	82	71	76	81.7	24	7,840	10.5	54	w.	25
Wytheville, Va....	30.02	82	64	76	128.0	37	4,503	6.1	27	nw.	22

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	51.5	95	21	1.97	2.91	T.	......	......	......	......
1892	52.6	89	24	0.83	1.45	0.21	......	......	......	......
1893	54.1	86	16	4.74	7.22	1.00	......	21	6	4
1894	54.4	88	22	2.32	3.35	1.17	T.	16	8	7
1895	48.1	89	8	1.29	2.25	0.16	T.	22	5	4
1896	51.0	82	20	2.08	4.37	0.45	T.	14	9	8
1897	58.2	95	22	0.53	2.27	0.07	0	18	7	6
1898	55 6	95	19	4.84	8.50	2.48	T.	11	10	10
1899	56.8	91	19	1.42	3.81	0.23	0	15	7	9
1900	60.9	97	24	2.33	4.80	1.15	0	16	8	7
1901	54.3	86	19	0.54	1.95	0.12	0	19	6	6
1902	56.5	87	17	2.63	5.50	0.90	T.	16	8	7
1903	54.2	96	15	2.55	4.75	0.80	T.	17	7	7
1904	54.5	92	16	1.59	3.02	0.37	T.	18	8	5
1905	54.2	95	19	4.71	8.26	2.46	T.	13	8	10
1906	54.5	86	12	3.09	8.15	1.64	1.3	11	6	14
1907	50.3	87	19	2.65	5.12	0.54	0.1	15	9	7
1908	55.1	91	16	1.60	6.88	0.33	T.	18	7	6
1909	50.0	88	14	2.79	5.27	0.60	0.1	16	7	8
1910	58.1	95	15	1.85	2.96	0.80	0.7	18	7	6
1911	56.3	88	23	5.28	9.65	3.27	0	12	7	12
1912	55.5	93	20	1.34	3.10	0.20	T.	18	7	6
1913	54.5	92	12	4.50	8.11	1.78	0.3	12	6	13
1914	57.3	91	14	2.94	6.72	1.37	T.	12	8	11
1915	56.6	89	20	4.11	5.55	0.74	T.	17	7	7
1916	54.1	97	16	2.38	4.35	0.91	T.	19	5	7
1917	49.2	89	16	4.35	6.49	1.18	5.5	15	6	10
1918	58.2	89	24	3.68	7.53	1.59	T.	15	7	9
1919	62.3	102	28	5.84	11.88	2.13	0	9	7	15
1920	57.5	90	21	1.15	2.53	0.10	0.1	22	4	5
1921	53.7	88	21	2.48	5.76	0.30	0.1	18	5	8
1922	55.4	93	18	2.45	4.81	0.39	T.	19	5	7
1923	52.1	93	12	1.39	2.41	0.65	T.	19	5	7
1924	54.6	87	14	0.40	1.28	0.00	T.	23	4	4
1925	49.3	86	11	7.30	13.08	2.19	4.3	15	7	9
Means and extremes	54.6	102	8	2.74	13.08	0.00	0.4	16	7	8

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., October, 1925

See temperature and precipitation data in Climatological Tables, Pages 38, 39, and 40

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
rksburg	Evaporation	.101	.060	.089	.001	.071	.056	.146	.100	.057	.053	.094	.060	.022	.020	.050	.039	....	.122	.040	.050	.042	.060	.020	.045	.025	.133	.100	.066	.056	.015	.010	1.971
	Wind movement	39	34	19	34	81	21	72	31	23	100	93	14	30	34	13	38	67	73	44	152	84	58	52	38	17	135	107	43	73	76	19	1,714

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for October, 1925

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	24	45.0	−3.8	70	3†	17	29	33	11.78	+8.36	2.53	8.5	21	6	4	21	sw.	U. G. Clark
Brandywine	Pendleton	1,586	9	48.0	−5.4	75	4	20	28	27	3.45	+1.62	...	8.0	12	3	6	22	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	36	...	...	...	...	...	...	...	4.43	+1.74	0.79	2.5	11	...	...	...	...	J. C. Newcomer
Inwood	Berkeley	569	3	49.4	...	78	3	21	31	37	4.14	...	1.50	4.0	11	9	14	8	w.	H. W. Prettyman
Martinsburg	Berkeley	435	33	51.1^{b}	−3.5	81^{b}	3	29^{a}	29	30^{c}	5.81	+3.25	1.12	3.0	13	10^{a}	6^{a}	14^{a}	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	29	50.8	−4.8	85	3	14	29	40	3.39	+1.16	0.75	4.5	11	19	0	12	...	M. S. Henkel
Piedmont	Mineral	1,053	12	47.2	−6.2	74	3	24	29	28	7.03	+4.23	1.70	5.8	14	6	5	20	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	27	48.6^{d}	−6.6	81^{d}	3	24^{c}	28†	36^{g}	4.52	+2.02	1.01	...	7	4	8	19	...	George E. Bergdoll
Stony River Dam	Grant	3,300	5	...	...	...	...	...	...	...	6.53	...	1.55	11.5	19	0	7	24	w.	A. C. Becker
Upper Tract	Pendleton	1,230	26	49.4^{j}	−6.1	70^{j}	17†	23^{i}	29	32^{j}	2.19	−0.01	1.40	3.0	6	3^{c}	1^{c}	24^{c}	...	J. M. Mallow
Wardensville	Hardy	1,200	7	49.8^{a}	...	80^{a}	4	22	28	47^{a}	3.30	...	0.85	4.0	9	4	4	23	ne.	Luther F. Sutton
Averages and	extremes	...	...	48.8	−5.2	85	3	14	29	47	5.14	+2.80	2.53	5.5	12	6	6	19	w.	
Northern Division																				
Aberdeen	Upshur	1,060	1	...	...	...	...	...	...	...	8.24	...	1.81	3.7	19	1	14	16	nw.	L. Else Bond
Bens Run	Pleasants	652	23	49.0	−7.7	72	1†	22	29	20	6.22	+3.11	1.42	4.0	16	6	10	15	...	J. D. Riggs
Benson	Harrison	1,080	2	50.1^{a}	...	78^{a}	1†	17^{a}	29	28^{a}	9.17	...	2.69	2.2	19	0	20	11	...	R. D Marts
Brownsville	Lewis	1,032	2	51.6	...	80	1	19	29	35	7.75	...	1.78	2.4	18	3	10	18	...	S. L. Montgomery
Bruceton Mills	Preston	1,549	5	...	...	...	...	...	...	...	13.08	+9.30	2.74	9.0	19	1	6	24	nw.	W. M. Wolf
Buckhannon	Upshur	1,411	28	49.6	−3.8	74	1	22	29	25	8.47	+5.01	1.35	4.0	19	1	10	20	...	H. A. Darnall
Cairo	Ritchie	680	26	48.8	−8.0	78	1	15	29	30	7.17	+4.09	2.10	2.5	15	5	6	20	...	O C. Hess
Clarksburg	Harrison	1,015	3	49.2^{a}	...	78^{a}	1	19	29	31^{a}	8.52	...	2.67	2.0	19	4	5	22	nw.	Clarksburg Water Board
Cortland	Tucker	3,300	14	...	...	...	...	...	...	...	7.65	+4.29	1.40	3.0	9	3	17	11	...	G. W. Harmon
Crawford	Lewis	1,107	2	...	...	...	...	...	...	...	8.15	...	1.35	3.0	20	1	16	14	...	George W. Blair
Creston	Wirt	640	23	50.7	−5.1	79	1	19	29	29	10.05	+7.04	2.80	1.7	18	2	0	29	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	4	...	...	...	...	...	...	...	7.68	...	1.77	4.3	21	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	9	...	...	...	...	...	...	...	5.72	...	1.31	...	20	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	9	...	...	...	...	...	...	...	5.74	...	1.50	...	18	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	4	...	...	...	...	...	...	...	9.97	...	1.96	4.0	21	...	...	...	...	Lockmaster
Davis	Tucker	3,093	16	...	...	...	...	...	...	...	8.76	+4.61	1.81	9.4	20	0	7	24	w.	Ross C. Male
Elizabeth [Dam 3 L.K.]	Wirt	615	13	...	...	...	...	...	...	...	9.06	+5.31	2.20	4.0	15	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	24	47.6	−5.7	74	17	21	31	32	6.85	+4.43	1.15	5.5	19	1	9	21	w.	U. S. Weather Bureau
Evenwood††	Randolph	3,240	0	...	...	...	...	...	...	...	8.31	...	1.66	9.0	18	1	10	20	...	Claude A. Cunningham
Fairmont	Marion	883	19	48.4	−7.1	79	1	20	29	31	10.46	+7.83	2.21	4.0	19	9	2	20	w.	Creed E. Boiyard
Glenville	Gilmer	738	31	54.0	−2.0	84	17	20	29	37	8.88	+5.83	2.10	2.5	16	5	10	16	w.	Howard R. Brannon
Grafton (near)	Taylor	1,000	32	46.1^{c}	−9.5	79^{e}	1	12^{d}	29	37^{f}	9.06	+6.16	1.74	...	16	5	9	17	w.	Curtis Boice
Horner	Lewis	1,044	2	...	...	...	...	...	...	...	8.71	...	1.98	2.3	21	6	11	14	...	Thomas E. Miles
Horton	Randolph	2,840	0	...	...	...	...	...	...	...	5.24	...	1.02	7.8	16	1	4	26	nw.	J. W. White
Janelew (near)	Lewis	1,020	2	51.9	...	79	6	18	29	47	8.83	...	2.20	3.0	18	8	5	18	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	27	48.4	−6.4	79	1	15	29	33	8.30	+5.57	2.18	2.5	18	1	8	22	w.	Allen Smith
Mannington	Marion	985	22	48.6	−5.9	76	1	17	29	30	9.88	+6.94	1.97	6.1	21	4	5	22	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	32	49.2	−6.3	77	1†	20	29	30	9.13	+5.98	1.70	3.2	17	0	9	22	w.	Prof. E. L. Andrews
Moundsville	Marshall	689	22	47.3^{a}	−8.7	72^{a}	15	23	28	28^{a}	6.34	+3.23	2.00	3.0	13	4	9	18	sw.	Fred N. Wilson
New Cumberland	Hancock	671	27	47.0	−7.5	77	1	23	29	29	3.12	+0.13	0.65	T	19	3	4	24	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	31	49.0	−8.1	83	1	16	29	30	7.32	+4.44	1.55	3.0	16	4	2	25	n.	Wm. Ankrom
Parkersburg	Wood	638	38	50.9	−5.2	80	1	24	29	23	5.87	+3.43	2.15	3.7	17	3	5	23	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	25	47.1	−5.9	74	17	18	29†	38	...	...	...	...	...	2	10	19	...	J. W. Swisher
Philippi	Barbour	1,550	28	49.7	−4.8	76	1†	24	31	29	10.18	+7.30	1.80	4.5	20	1	6	24	w.	Prof. W. B. Pimm
Pickens	Randolph	2,697	22	45.4	−7.0	72	3	12	30	30	11.16	+7.09	1.83	11.0	18	4	9	18	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	2	...	...	...	...	...	...	...	8.82	...	1.84	4.3	21	0	15	16	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	38	...	...	...	...	...	...	...	10.61	+7.58	2.20	6.0	19	...	...	...	...	J. F. Pierce
Saint Marys	Pleasants	577	16	...	...	...	...	...	...	...	6.71	+3.31	1.80	...	17	...	...	...	w.	Wm. Hughes
Smithfield	Wetzel	850	19	49.3^{e}	−4.3	86	1	11	29	43^{e}	9.26	+5.83	2.02	2.0	19	3	7	21	...	G. M. Whisler
Terra Alta	Preston	2,559	24	41.0	−10.9	65	3	16	29	25	12.18	+8.56	2.72	12.1	22	2	4	25	sw.	J. J. Shanahan
Valley Chapel	Lewis	1,011	2	50.9	...	80	1	19	29	31	8.79	...	2.79	5.0	21	4	15	12	w.	J. C. Campbell
Vandalia	Lewis	1,120	2	...	...	...	...	...	...	...	7.60	...	1.90	...	12	...	...	...	...	Miss Phyllis West
Wellsburg	Brooke	668	24	47.6	−6.5	77	1	19	29	30	5.38	+2.43	1.56	2.5	15	7	8	16	...	George P. Pfister
West Milford	Harrison	979	0	...	...	...	...	...	...	...	9.56	...	2.60	...	21	...	...	...	...	Miss Dicie E. Wagner
Wheeling	Ohio	645	38	47.1^{a}	−8.5	84^{a}	1	20	29†	36^{a}	5.83	+3.22	1.45	2.6	21	4	8	19	sw.	Miss M. B. Forsyth
Averages and	extremes	...	...	48.7	−6.6	86	1	11	29	47	8.27	+5.26	2.79	4.2	18	3	8	20	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	...	...	...	...	...	...	...	...	5.66	...	0.97	11.0	14	6	5	20	w.	H. S. Sutton
Bancroft	Putnam	574	21	52.8	−4.6	85	16	20	28	47	6.44	+3.26	1.36	0.8	18	12	0	19	ne.	R. E. Dent
Beckley	Raleigh	2,440	25	48.2^{b}	−7.0	74^{b}	3†	24^{b}	10	30^{b}	...	...	...	...	...	1^{a}	7^{a}	22^{a}	w.	K. E. Williams
Bluefield ^{d}	Mercer	2,563	30	51.2	−4.8	74	5	20	20	43	5.76	+2.88	0.90	...	18	4	12	11	...	Norfolk & Western R
Camden-on-Gauley	Webster	2,029	10	...	...	...	...	...	...	...	5.62	...	1.30	T.	6	...	...	...	n.	Miss Katie Jarvis
Charleston	Kanawha	600	22	51.2^{a}	−8.1	80^{a}	3	23	28	37^{a}	7.18	+4.41	1.75	T.	14	3	0	28	...	R O. Fields
Clay	Clay	706	9	...	...	...	...	...	...	...	7.76	...	1.20	...	21	...	...	...	...	Ted Thomas
Dam 6 G. K.	Kanawha	598	...	...	...	...	...	...	...	...	6.20	...	1.73	...	11	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	9	...	...	...	...	...	...	...	6.63	...	2.52	...	18	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	9	...	...	...	...	...	...	...	6.95	...	2.12	...	17	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	9	...	...	...	...	...	...	...	5.72	...	2.00	...	16	...	...	...	...	U. S. Engineer Office
Gary	McDowell	1,426	9	53.0	...	80	4	25	29	33	8.48	...	1.96	...	17	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	28	54.4	−2.2	82	2	28	29	32	6.08	+3.52	1.45	1.0	14	3	7	21	...	Mrs J. R. Baber
Huntington	Cabell	538	31	51.8	−4.4	78	4	24	29	34	6.30	+3.92	1.92	4.0	16	8	0	23	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	6	...	...	...	...	...	...	...	6.21	...	1.30	...	12	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	9	...	...	...	...	...	...	...	6.40	...	1.59	...	19	...	...	...	...	Cabin Creek Con. Coal
Lewisburg	Greenbrier	2,250	25	49.6	−4.0	74	4	19	29	35	5.58	+2.73	0.77	4.0	15	5	8	18	nw.	Geo. T. Argabate
Logan	Logan	700	22	...	...	...	...	...	...	...	5.60	+3.45	1.07	...	14	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	26	44.6	−5.7	70	4	14	23	32	6.93	+3.94	1.10	13.0	15	3	17	11	sw.	S. L. Brown
Point Pleasant	Mason	595	32	48.0^{h}	−9.6	...	...	19	29	35^{b}	6.31	+3.72	2.10	3.6	15	12	0	19	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	10	50.8	...	86	2	20	29	34	7.31	...	1.90	...	14	8	0	23	nw.	Lockmaster
Robertsburg	Putnam	570	25	49.6	−7.8	83	1	19	29	36	6.70	+3.92	2.58	2.0	17	7	0	24	...	M. Frazier
Ryan	Roane	709	22	50.3	−4.5	79	3	14	29	38	6.91	+3.46	1.43	5.3	17	2	7	22	...	Wm. E. Ryan
Sharples	Logan	...	5	...	...	...	...	...	...	...	5.18	...	1.23	...	10	...	...	...	...	F. H. Locke
Sissonville	Kanawha	625	...	...	...	...	...	...	...	...	8.03	...	1.80	...	...	...	...	...	...	J. N. Johnson
Spencer	Roane	789	21	50.0	−5.2	77	3†	18	29	32	10.60	+7.39	2.15	2.0	17	1	11	19	...	A. M. McKown
Summersville	Nicholas	1,894	1	...	...	...	...	...	...	...	8.26	...	1.18	7.5	13	4^{j}	1^{j}	16^{j}	...	J. O. McMillion
Sutton	Braxton	850	19	50.8	−7.7	78	3†	19	29	38	7.52	+4.43	1.18	6.0	17	12	0	19	...	C. B. Eakle
Union ^{d}	Monroe	2,250	21	51.5	−2.6	77	3	20	29	35	4.61	+1.77	0.89	5.1	13	4	11	12	...	W. M. H. Young
Wayne	Wayne	598	...	...	...	...	...	...	...	...	6.65	...	1.38	3.0	16	...	...	...	...	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	15	48.2^{a}	−4.5	71^{a}	6	20	28	38^{a}	3.78	+0.96	1.10	...	15	12	1	18	...	E. J. Comar
Williamson	Mingo	660	25	51.6	−6.9	77	4	27	30	27	7.41	+4.65	1.32	T.	17	8	8	15	w.	J. F. Keyser
Averages and	extremes	...	...	50.6	−5.7	86	2	14	23†	47	6.70	+3.83	2.58	4.0	15	7	5	19	w.	
State averages and	extremes	...	...	49.3	−6.0	86	1†	11	19	47	7.30	+4.44	2.79	4.3	16	5	7	19	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are use determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for October, 1925

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac	....	T.	1.14	1.02	2.53	T.	....	....	.37	.09	.03	....	.31	T.	1.09	.07	1.93	.69	.06	T.	.01	.34	.01	.09	1.24	.47	....	....	.08	.17	.04	11.78
Brandywine	do	....	.50	....	.50	....	....	....	....	T.	.20	....	....	T.	*	.25	.25	.15	T.	....	....	....	.35	....	*	.75	....	....	....	....	*	.50	3.45
Burlington	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Harpers Ferry ‖	do	....	....	.71	....	.79	....	....	....	....	.15	....	....	.11	....	.62	....	.35	.01	....	....	....	....	.36	T.	.70	.34	....	....	....	....	.29	4.43
wood	do	....	.20	....	1.50	....	.02	....	....	.10	....	....	....	....	.30	.32	.23	.30	....	....	....	....	.45	....	....	.40	....	....	....	....	.32	....	4.14
Martinsburg‖	do	....	....	.97	.02	1.01	....	....	....	....	.13	T.	....	.09	....	.70	....	.77	....	....	....	....	.08	.32	.06	1.12	.04	....	....	....	T.	.50	5.81
Moorefield	do	....	.23	....	.17	.75	....	....	....	....	T.	....	....	.08	.15	.19	....	.66	....	....	....	....	.18	....	.32	.30	....	....	....	....	.36	....	3.39
Piedmont	do	....	T.	1.70	1.09	.04	....	....	....	.09	....	....	T	.10	.61	.08	.90	.63	T.	T.	....	....	.32	....	.60	.35	....	....	.01	....	.51	....	7.03
Romney ‖	do	....	.70	....	.75	....	....	....	....	....	....	....	....	....	.60	....	1.01	....	....	....	....	....	.25	....	.76	....	....	....	....	....	.45	....	4.52
Stony River Dam‖	do	....	.06	.53	.22	1.55	....	.05	....	....	.10	....	....	.18	.02	.48	....	1.03	.17	....	....	....	.24	.08	.02	.89	.43	....	....	.12	.08	.28	6.53
Upper Tract	do	....	T.	....	T.	1.40	....	....	....	....	....	....	....	....	T.	....	....	....	.15	....	....	....	.15	....	.10	....	.15	....	....	....	.24	....	2.19
Wardensville‖	do	T.	....	....	....	.80	T.	T.	....	T.	T.	....	....	.05	....	.15	.05	.65	.20	T.	T.	....	T.	....	.30	.80	T.	....	....	.30	T.	....	3.30
Northern Division																																	
Aberdeen	Monongahela	....	.35	.65	.44	T.	....	.11	....	.36	.07	....	.20	.47	.71	.29	.26	1.55	....	.04	....	....	.28	....	.26	1.80	....	....	.04	.05	.31	....	8.24
Bens Run	Ohio	....	.25	.27	.47	....	....	....	....	.16	....	....	.20	.35	.50	.08	1.42	.40	....	.05	....	....	.35	....	.38	.85	....	....	.14	....	.35	....	6.22
Benson	Monongahela	....	.89	.15	.70	....	....	.13	....	.14	.04	....	.17	.39	.45	.47	.17	2.69	....	.09	....	....	.24	....	.48	1.55	....	.02	.02	T.	.38	....	9.17
Brownsville	do	....	.20	.97	.28	.01	T.	.14	....	.15	.10	....	.28	.49	.70	....	.21	1.78	....	....	....	....	.40	....	.24	1.55	T.	T.	.05	.04	.16	....	7.75
Bruceton Mills	do	....	.94	2.74	1.13	.08	.05	....	....	.25	.09	T.	.37	.08	.73	.08	2.10	.39	....	....	....	T.	.38	....	.66	1.89	T.	....	.08	.52	....	.52	13.08
Buckhannon	do	....	.26	.78	.85	.08	T.	.10	....	.34	T.	....	.50	.33	.80	.30	.70	.78	....	.10	T.	....	.20	....	.35	1.35	....	T.	.10	.05	.50	....	8.47
Cairo	Little Kanawha	....	.44	....	.33	.06	.14	....	....	.23	.04	....	.54	....	.72	....	2.10	....	....	.09	....	....	.27	....	.30	1.32	....	T.	.20	....	.39	....	7.17
Cheat Bridge ‖	Monongahela	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Clarksburg ‖	do	....	.10	.61	.06	1.10	....	.05	....	.10	.10	....	....	.51	....	.94	....	2.67	....	.04	....	....	.24	....	.07	1.42	.06	.02	T.	.10	.12	.21	8.52
Cortland ‖	do	....	....	....	1.25	.75	....	....	....	.50	....	....	1.12	....	....	1.14	....	....	....	....	....	.90	1.40	....	.35	....	....	....	....	.24	....	....	7.65
Crawford	Little Kanawha	....	.66	.26	.85	.29	.15	.02	....	.19	.07	....	.47	.35	.54	.57	.66	.79	....	.25	....	....	.15	....	.37	1.35	....	....	.06	....	.40	....	8.15
Creston ‖	Monongahela	....	....	.26	.91	1.02	....	.27	....	.04	.23	....	.08	.71	....	.94	....	2.80	T.	.09	T.	....	.37	T.	.14	1.71	.10	....	....	.13	.05	.20	10.05
Dam 10, Mon. R.‖	Ohio	....	....	.99	.02	.72	....	.03	....	.07	.21	.05	....	.47	....	.62	....	1.77	.04	.02	.02	....	.11	.02	.13	1.64	.25	....	....	.07	.12	.31	7.68
Dam 12, O. R.‖	do	....	....	.35	.05	1.31	....	.02	....	.05	.15	.02	.08	.36	....	.19	....	1.10	....	....	....	....	.61	.04	.07	.75	.07	.02	....	.17	.12	.19	5.72
Dam 13, O. R.‖	Monongahela	....	....	....	....	1.50	....	.03	....	.10	.20	....	.05	.37	....	.24	....	1.20	....	.03	....	....	.43	.06	.12	.90	.06	.04	....	.15	.06	.20	5.74
Dam 15, Mon. R.‖	do	....	....	1.26	.16	1.68	....	.08	....	.11	.21	....	.02	.52	....	.66	....	1.96	.10	.08	....	....	.22	.06	.08	1.78	.17	.15	....	.14	.12	.41	9.97
Davis ‖	do	....	.06	.93	.15	1.81	....	.11	....	T.	.37	T.	....	.44	.05	.90	....	1.03	.45	.02	.07	.35	.12	.12	....	.83	.71	T.	....	.15	T.	.29	8.76
Elizabeth‖	Little Kanawha	....	....	40	1.50	.54	.21	....	.04	....	....	....	.05	.61	....	.98	....	2.20	....	.04	....	....	.25	....	.10	1.60	....	....	....	.16	....	.38	9.06
Elkins ***	Monongahela	....	.79	.26	.62	....	.07	.02	....	.36	.02	T.	.43	.06	.99	.13	.67	.30	....	.06	T.	....	.35	....	.27	1.02	....	....	.13	....	.30	....	6.85
Evenwood	do	....	.30	.53	.82	....	....	.11	....	.22	.18	....	.34	.16	.98	.34	.99	.46	....	.07	....	....	.57	....	.24	1.66	....	....	.06	....	.28	....	8.31
Fairmont‖	do	....	....	1.33	.35	1.71	....	.07	....	.10	.39	T.	.03	.50	....	.71	.07	2.14	....	.06	....	T.	.21	....	.10	2.08	.08	T.	....	.13	.10	.30	10.46
Glenville ‖	Little Kanawha	....	....	.54	.36	.42	....	.18	....	....	.18	....	.16	.62	....	1.22	....	2.10	T.	.16	....	....	.35	....	.10	1.64	....	....	....	.15	.10	.60	8.88
Grafton (near) ‖	Monongahela	....	1.12	....	1.56	....	.04	....	....	.39	T.	....	.43	.82	....	....	*	*	*	2.25	....	.16	....	.06	1.74	.02	....	....	.07	....	.40	....	9.06
Horner	do	....	.23	.75	.51	.05	....	.07	....	.20	.08	....	.35	.50	.70	.40	.38	1.60	....	.10	....	....	.28	....	.30	1.77	.07	....	.01	....	.23	.13	8.71
Horton	Monongahela	....	.36	.16	1.02	....	....	.08	....	.08	.18	....	.06	.12	.21	.29	.32	.62	T.	T.	....	....	.35	....	.14	.92	....	....	T.	....	.33	....	5.24
anelew(near)	do	....	.21	.60	.60	....	....	.11	....	.45	T.	....	.20	.45	.90	.35	.30	1.90	....	.05	....	....	.30	....	.33	1.55	....	....	.08	.05	.40	....	8.83
ost Creek	do	....	.72	.55	.71	....	T.	T.	....	.21	.03	....	.15	.24	.56	.19	.40	1.78	....	.04	T.	....	.24	....	.60	1.58	....	....	.05	.04	.21	....	8.30
Mannington	do	....	1.09	.96	1.19	.01	.02	.04	....	.23	.09	....	.11	.41	.64	.17	.61	1.36	....	.05	....	.01	.29	....	.26	1.82	....	....	.13	....	.39	....	9.88
Morgantown	do	....	.80	.60	.87	....	....	....	....	.30	T.	....	.26	.60	.64	.12	.95	.90	....	T	....	....	.17	....	.37	1.70	....	....	.10	.15	.22	.38	9.13
Moundsville‖	Ohio	....	.45	....	2.00	....	.03	....	....	.22	T.	....	.38	....	.55	....	1.08	....	T.	....	....	....	.39	....	.31	.67	.02	....	.04	....	.20	....	6.34
ew Cumberland‖	do	....	....	12	.03	.32	....	.08	....	.05	.07	....	.05	.12	....	.12	.02	.62	....	T.	....	....	.37	.10	.05	.65	.04	....	....	.11	.04	.16	3.12
ew Martinsville	do	....	1.10	.70	1.55	....	....	....	....	.20	....	....	.20	.30	.80	.15	.12	.30	....	.05	....	....	.30	....	.30	.85	....	....	.10	....	.30	....	7.32
Parkersburg ***	do	....	.39	.05	.30	....	.15	....	....	.11	....	T.	.47	.01	.58	.01	2.05	.10	....	T.	....	T.	.27	....	.28	.64	.05	....	.06	....	.35	....	5.87
arsons	Monongahela	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
hilippi	do	....	.85	.14	1.80	.03	.02	.13	....	.38	.10	....	.25	.35	.65	.25	.30	1.70	....	T.	....	T.	.22	....	.60	1.63	.41	....	T.	.02	.35	....	10.18
ickens	do	....	.43	.13	.73	.72	....	.25	....	.40	.12	....	1.05	....	.78	.96	1.28	.70	....	.23	....	....	.40	....	.75	1.83	....	....	.08	....	.32	....	11.16
oanoke	do	....	.21	.39	.35	.23	T.	.15	....	.23	.07	....	.60	.26	.70	.50	.30	1.54	....	.11	....	....	.60	....	.31	1.77	.01	....	.06	.05	.38	....	8.82
owlesburg ‖	do	....	....	.83	.19	1.30	....	.09	....	....	.29	.05	....	.50	....	1.43	....	2.20	.28	....	.10	....	.11	.29	.13	1.40	.68	....	....	.30	.04	.40	10.61
aint Marys ‖	Ohio	....	T.	.43	.20	.61	....	.10	....	.18	.10	....	.02	.55	....	.56	....	1.80	....	.06	....	T.	.32	....	.20	1.02	....	....	....	.20	.16	.20	6.71
nithfield‖	Fishing Creek	....	....	1.10	.34	1.48	....	.05	....	.10	.17	.20	.02	.54	....	.76	....	2.02	....	.08	....	T.	.24	....	.12	1.84	.04	....	....	.04	.08	.04	9.26
erra Alta	Monongahela	....	.87	.96	1.76	....	.03	.07	....	.42	.06	.07	.10	.38	.85	.67	.65	2.07	....	.05	T.	.02	.31	....	.70	1.60	....	.05	.10	....	.39	....	12.18
alley Chapel	do	....	.40	.36	.48	....	....	.10	....	.23	.06	....	.28	.42	.57	.30	.25	2.54	....	.05	....	....	.30	....	.50	1.45	....	.02	.06	.06	.19	.17	8.79
andalia	do	....	.52	....	....	.75	....	....	....	....	....	....	1.10	.05	.70	.78	....	.75	....	....	....	.10	....	.90	....	1.90	....	....	.03	.02	....	....	7.60
ellsburg	Ohio	....	....	....	....	1.56	.22	.08	....	....	T.	....	.28	.10	.15	.04	.73	.60	....	T.	....	....	.47	.03	.28	.52	T.	T.	.10	T.	.22	....	5.38
est Milford	Monongahela	....	.65	.12	1.40	.01	....	.08	....	.14	.05	....	.15	.40	.42	.40	.40	2.60	.10	.08	....	....	.25	....	.44	1.45	....	*	.05	.06	.31	....	9.56
eston	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	....	....	....	.04	....	....	.35	1.58	....	.05	.05	....	.16	....	+++
heeling ‖	Ohio	....	....	30	.02	1.45	....	.04	....	.05	.18	.04	.09	.33	....	.20	....	1.13	T.	.03	T.	....	.46	.05	.10	.77	.07	.02	....	.24	.09	.17	5.83
ymer	Monongahela	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Southern Division																																	
bovale	Great Kanawha	....	.75	....	.23	.52	....	....	....	.14	T.	....	.11	.08	.42	.14	.40	.35	....	....	....	....	.52	....	.97	.67	....	....	....	T.	.36	....	5.66
ucroft ‖	do	....	.05	.15	.14	.05	.07	....	....	.05	.15	....	.07	1.03	....	1.12	.03	1.36	....	....	....	.41	....	.10	1.23	.05	....	....	....	.10	.28	....	6.44
ckley	do	....	.71	....	....	....	....	....	.69	....	T.	....	.18	....	1.02	1.04	.30	.67	....	.08	....	....	....	.28	1.47	....	....	....	....	....	....	....	+++
uefield	do	....	....	.07	.90	.18	....	.25	....	.32	....	....	.15	.33	.80	.15	.10	.45	....	.05	....	....	.18	.03	....	....	....	.07	.86	.04	.23	....	5.76
mden-on-Gauley‖	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
arleston ‖	do	.33	....	.16	....	....	.04	....	....	....	.22	....	.04	1.75	....	1.64	....	.74	....	....	.04	....	.40	....	.10	1.12	....	....	T.	.14	T.	.46	7.18
y ‖	do	....	.25	.30	.10	.26	....	.09	....	.08	.30	....	.07	1.15	....	1.14	.57	.93	....	.07	.01	....	.44	.01	.10	1.20	.12	....	....	....	.05	.52	7.76
m 6 G K. ‖	do	.33	....	.12	....	....	....	....	....	.11	.13	.10	....	1.10	....	1.73	....	....	....	....	....	....	.39	....	.16	....	1.46	....	....	....	.57	....	6.20
m 19 O. R. ‖	Ohio	....	T.	.25	.52	.30	....	.18	....	.06	.06	....	.02	.52	....	.54	....	2.52	....	.02	....	....	.29	....	.20	.72	.05	....	....	.14	.07	.17	6.63
m 20 O. R. ‖	do	....	....	.40	.12	.75	....	.26	....	.08	.10	....	.08	.55	....	.70	....	2.12	....	.03	....	....	.30	....	.15	.90	....	....	....	.12	.12	.17	6.95
m 26 O. R. ‖	do	....	.02	.02	.03	....	....	.10	....	.04	.10	....	.08	.95	....	.55	....	2.00	....	....	....	....	.30	....	.10	1.10	.03	....	....	....	.12	.18	5.72
y‖	Big Sandy	....	1.01	.41	....	.53	....	.45	....	.16	.16	....	....	.45	....	1.96	.22	.68	.13	....	.05	.02	.30	....	....	1.44	....	....	....	T.	*	.51	8.48
en Sulphur Spgs.	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
ton ‖	do	T.	1.06	.25	....	.08	....	.03	....	.20	....	....	....	.42	.08	1.45	....	.50	.20	....	....	....	.24	....	.19	.88	....	....	....	....	....	.50	6.08
ntington ‖	Ohio	....	.58	.06	.04	....	....	.06	....	.08	.02	....	.02	.80	....	.60	....	1.92	....	T.	....	....	.38	....	.12	1.10	....	....	....	.14	.16	.22	6.30
awha Falls‖	Great Kanawha	.35	.10	....	....	....	.08	....	....	.28	....	....	1.30	....	.78	....	.97	....	....	.20	....	....	....	.05	1.30	.25	....	....	....	....	....	.55	6.21
rford‖	do	....	.27	.17	.02	T.	....	.05	....	.05	.32	T	....	1.06	.02	.82	.03	.74	.05	....	.19	....	.27	.11	.10	1.59	....	....	....	.15	T.	.39	6.40
isburg	do	.40	.38	....	....	....	....	.04	....	.42	....	....	.07	.33	.54	.75	.35	.37	....	.02	....	....	T.	....	.77	.74	....	....	....	....	.09	.31	5.58
an ‖	Guyandotte	....	.40	.15	....	.08	....	.15	....	.09	.20	....	....	.90	.09	.80	....	.67	....	....	....	....	.22	T.	.13	1.07	....	....	....	....	T.	.65	5.60
linton	Great Kanawha	.02	.82	....	.68	....	....	.04	....	.06	T.	....	.12	.08	.90	.06	.79	.34	....	....	....	T.	.70	....	.62	1.10	....	....	T.	....	.60	....	6.93
nt Pleasant ‖	Ohio	....	....	.20	.20	T	....	.2.	....	....	.20	....	.13	.80	....	.74	....	2.10	....	....	....	....	.30	....	.04	.80	.20	....	....	.04	.20	.16	6.31
ellton	Great Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
enswood (Dam 22	Ohio	T.	T.	.65	....	.50	....	.30	T.	.07	.10	.10	T.	.60	....	.90	T.	1.90	....	....	....	....	.42	T.	.25	1.32	T.	....	....	.12	.08	....	7.31
ertsburg ‖	Great Kanawha	....	.05	.10	.08	.01	....	.05	....	.07	.11	....	.10	.77	....	.80	.02	2.58	....	....	....	....	.36	....	.14	1.23	....	....	....	.05	.18	....	6.70
n	do	T.	.12	.01	.06	....	....	.06	....	.14	....	....	.73	.44	.96	.27	.63	.80	....	.09	....	....	.38	....	.23	1.43	....	....	.15	....	.41	....	6.91
ples‖	Coal River	....	....	.59	....	.09	....	....	....	....	.40	....	....	.35	....	.92	....	.78	....	T.	....	....	.30	....	.12	1.23	....	....	....	....	....	.40	5.18
nville‖	Great Kanawha	....	....	1.26	....	....	....	....	.17	....	....	....	....	1.21	....	1.80	....	1.12	....	....	....	....	.45	....	....	1.44	....	....	*	*	*	.58	8.03
ncer ‖	do	....	T.	.05	1.70	.24	....	.15	....	.06	.10	....	.06	.93	....	1.04	T.	2.15	....	1.89	....	....	.34	....	.16	1.32	....	....	T.	.08	.10	.23	10.60
mersville	Gauley	1.05	.10	....	1.03	....	....	....	....	....	.12	....	.95	....	1.05	.50	.40	.55	....	.15	....	....	T.	....	.70	1.18	....	....	T.	.48	....	....	8.26
on	Great Kanawha	T.	.30	....	.32	....	....	.38	....	.27	....	....	.98	.12	.40	.92	.30	.74	....	.10	....	....	.43	....	.20	1.18	....	....	.16	T.	.16	.56	7.52
on	do	.23	....	....	....	....	....	.14	....	.27	....	....	....	.45	.32	.88	.12	.23	....	....	....	....	.26	....	.32	....	.89	....	....	....	.10	.40	4.61
ne‖	Big Sandy	....	.35	.15	....	....	....	.10	....	.03	.05	....	.02	.96	....	1.22	.06	1.25	....	....	....	.30	....	.10	....	1.38	....	....	....	.25	.15	.28	6.65
te Sulpr. Spgs.‖	Great Kanawha	.04	.15	....	....	....	....	....	.05	.01	....	....	.50	....	1.10	....	.38	.03	....	....	....	.02	....	.22	.80	.05	.15	....	....	.06	.22	....	3.78
iamson ‖	Big Sandy	....	.94	.45	....	.32	....	.40	....	.05	.12	....	....	.85	.05	1.30	.02	.55	....	....	.04	....	.10	T.	.18	1.32	....	....	....	.12	T.	.60	7.41

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete.

Daily Temperatures for October, 1925

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	60	60	70	68	59	56	61	64	58	41	51	51	54	60	63	68	70	56	51	40	41	40	45	46	58	52	49	54	34	30	37	53.1
	Minimum	46	48	57	48	47	41	44	35	30	27	25	42	44	43	53	56	54	43	36	28	29	27	29	26	35	33	34	21	17	25	25	37.0
Brandywine	Maximum	67	70	74	75	70	65	64	65	60	51	54	60	61	54	70	64	70	60	52	48	50	43	40	50	45	52	55	40	42	38	35	56.3
	Minimum	53	50	52	52	50	45	40	38	50	32	32	40	49	50	50	52	60	49	41	29	30	31	26	31	38	31	34	20	21	29	24	39.6
Inwood	Maximum	56	63	78	73	70	66	64	65	58	61	55	65	60	61	70	69	76	72	62	53	55	50	53	51	64	59	61	59	54	37	42	60.7
	Minimum	50	54	49	45	45	47	50	47	45	27	25	35	40	41	45	54	52	35	40	29	34	34	31	25	36	38	30	26	26	29	21	38.2
Martinsburg§	Maximum	59	64	81	64	65	69	69	66	60	45	58	65	64	62	72	74	....	77	65	54	56	42	55	51	59	57	56	55	46	35	....	60.2
	Minimum	51	52	52	52	54	47	39	40	40	34	34	43	48	44	50	54	63	....	48	35	36	38	30	31	38	40	40	38	29	30	30	42.0
Moorfield	Maximum	69	66	85	83	74	67	70	72	70	62	57	60	61	59	71	73	75	71	61	57	56	50	57	51	59	59	56	63	54	45	39	63.0
	Minimum	47	50	49	53	48	38	47	34	42	29	20	41	44	45	46	49	56	43	39	30	29	31	24	26	33	43	40	48	14	32	30	38.7
Piedmont	Maximum	54	60	74	67	58	59	64	62	56	41	55	55	56	53	65	68	68	54	52	44	47	40	50	40	45	52	49	55	40	34	36	53.3
	Minimum	49	52	56	54	52	44	51	39	40	33	28	44	48	45	57	57	53	46	40	31	34	33	31	31	40	40	39	27	24	29	27	41.2
Romney	Maximum	58	....	81	61	61	64	....	70	54	57	59	61	60	....	68	72	72	54	56	49	52	54	51	55	47	59	52	60	45	38	....	58.1
	Minimum	50	50	....	52	51	43	46	....	37	32	28	45	47	43	....	50	59	46	41	34	34	33	29	29	35	38	39	24	24	28	28	39.1
Upper Tract	Maximum	....	60	61	63	63	. .	....	66	64	50	56	....	58	58	....	64	70	70	68	65	46	45	...	44	....	54	....	....	55	48	....	58.5
	Minimum	....	54	53	54	54	....	..	37	50	34	26	....	46	47	....	53	51	46	38	34	35	32	27	30	....	34	....	....	23	28	....	40.3
Wardensville§	Maximum	64	71	72	80	76	68	68	65	60	62	56	62	64	65	70	76	65	57	60	48	59	60	56	54	58	60	57	56	56	59	....	62.8
	Minimum	49	53	51	48	49	41	34	46	41	32	27	34	40	41	27	29	46	44	39	32	31	26	38	45	48	27	29	22	24	23	28	36.9
Northern Division																																	
Bens Run	Maximum	72	72	65	66	67	66	59	59	59	43	49	53	57	61	65	64	60	54	52	48	44	43	48	56	44	47	47	44	34	34	49	54.2
	Minimum	57	63	63	61	59	49	49	41	40	42	29	45	49	48	59	52	51	49	40	34	37	35	32	36	43	39	38	30	22	32	31	43.7
Buckhannon	Maximum	74	64	73	70	61	58	58	64	58	54	51	51	59	63	61	71	71	62	52	44	47	42	48	58	62	55	49	55	35	37	45	56.5
	Minimum	54	60	62	60	51	46	49	46	40	33	26	48	49	48	59	57	54	48	39	33	33	34	29	35	41	38	39	30	22	31	27	42.6
Cairo	Maximum	78	66	76	74	68	67	55	66	53	48	51	52	59	61	65	69	62	62	53	44	48	44	51	55	57	55	51	19	36	37	46	56.6
	Minimum	56	60	62	61	52	50	45	36	40	30	22	44	46	49	53	55	49	46	38	32	31	34	26	33	43	38	36	24	15	31	32	40.9
Clarksburg	Maximum	78	66	76	70	59	62	69	71	49	44	52	51	61	61	69	72	63	64	47	44	48	39	54	60	54	54	51	51	40	34	....	37.1
	Minimum	55	60	61	60	54	44	50	40	36	33	24	31	42	47	50	54	60	48	43	34	32	34	30	32	42	39	40	29	19	28	28	41.3
Creston	Maximum	79	70	78	75	69	61	68	68	61	47	53	53	61	61	70	69	73	63	61	47	50	46	55	57	59	56	55	50	39	37	46	59.3
	Minimum	56	62	50	61	52	41	52	40	43	31	25	46	50	49	58	54	51	48	38	34	32	35	26	39	41	37	39	29	19	31	34	42.1
Elkins	Maximum	71	62	71	70	60	57	61	64	49	38	53	53	59	61	66	70	71	60	53	41	44	39	48	64	64	57	45	55	36	35	45	55.6
	Minimum	58	58	59	58	41	41	42	40	34	29	26	48	49	47	58	57	48	47	32	31	34	31	29	33	37	36	28	23	21	29	21	39.5
Fairmont§	Maximum	79	63	76	64	58	57	72	70	49	45	50	50	59	59	68	70	63	62	53	50	51	36	53	59	49	51	53	51	42	35	48	56.3
	Minimum	54	57	59	59	52	45	45	39	40	32	27	29	45	44	48	54	55	45	44	32	32	35	30	32	43	38	38	30	20	25	28	40.5
Glenville	Maximum	80	75	78	76	75	78	67	80	78	45	53	55	69	75	72	68	84	72	76	67	51	54	55	58	57	55	54	50	37	36	49	63.8
	Minimum	57	60	64	61	53	46	52	43	44	33	25	46	51	51	60	57	54	50	39	44	37	35	30	39	47	38	40	28	20	33	33	44.2
Grafton (near)	Maximum	79	68	76	69	60	60	68	70	48	46	52	52	65	69	....	....	....	....	73	46	52	38	54	61	49	56	50	55	41	35	....	57.4
	Minimum	50	55	56	54	47	36	35	34	35	27	29	25	43	50	51	....	....	....	....	27	22	28	23	21	39	34	35	21	12	26	21	34.8
Lost Creek	Maximum	79	68	75	72	65	68	70	70	58	47	50	51	60	60	66	68	71	64	60	45	46	40	54	56	61	55	51	52	39	35	49	58.2
	Minimum	52	57	60	55	51	40	45	37	41	30	20	42	45	43	55	51	50	45	35	30	30	34	25	26	28	35	37	23	15	30	25	38.5
Mannington	Maximum	76	71	74	66	63	57	61	65	59	42	50	51	60	60	66	64	72	62	59	44	48	42	50	54	59	51	50	52	39	35	44	56.3
	Minimum	53	59	58	59	53	43	48	35	40	32	24	44	47	42	57	54	53	46	39	32	30	33	28	31	43	39	39	29	17	31	29	40.9
Morgantown	Maximum	77	66	77	75	63	58	61	66	59	41	49	49	61	70	70	65	72	61	59	44	48	42	52	63	63	52	50	53	37	35	47	57.7
	Minimum	53	58	58	57	50	45	46	36	37	30	28	45	46	46	56	56	50	44	38	31	32	34	32	34	40	37	38	27	20	28	28	40.6
New Cumberland§	Maximum	77	68	70	69	57	57	60	63	51	44	50	49	61	68	59	72	54	62	41	44	47	43	52	60	47	47	51	45	38	37	41	54.3
	Minimum	49	54	57	54	49	43	41	38	40	33	32	36	45	39	42	44	45	39	41	34	35	35	33	33	40	40	40	40	23	26	31	39.7
New Martinsville	Maximum	83	77	77	68	65	61	69	66	63	49	52	52	62	60	69	67	71	61	55	45	50	45	57	52	57	52	52	50	40	37	51	58.6
	Minimum	53	58	57	57	52	42	45	37	38	30	28	42	45	43	55	48	49	43	35	31	31	31	28	30	40	36	36	27	16	28	28	39.3
Parkersburg	Maximum	80	68	76	74	63	61	64	65	53	46	52	51	59	63	69	69	72	63	56	44	50	44	52	60	58	51	50	48	39	36	46	57.7
	Minimum	62	64	65	63	51	50	51	45	40	32	29	48	50	51	60	54	49	48	39	35	39	36	31	41	41	40	38	28	24	31	32	44.1
Parsons	Maximum	73	65	73	70	53	60	65	66	53	44	40	52	56	64	64	71	74	68	55	44	46	38	45	60	40	60	40	56	56	49	43	56.2
	Minimum	53	54	59	52	43	40	43	40	36	32	24	38	40	47	47	55	55	42	34	32	32	30	30	31	35	34	28	26	18	28	18	38.0
Philippi	Maximum	76	68	71	70	64	57	64	57	61	47	50	51	59	65	65	70	76	63	64	41	47	42	51	60	64	55	53	53	55	36	49	55.2
	Minimum	58	56	57	57	50	41	46	42	46	29	25	45	46	46	56	56	49	45	35	31	32	32	28	33	40	35	35	37	35	29	24	41.2
Pickens	Maximum	70	71	72	71	70	57	52	64	58	37	48	50	58	60	64	65	69	60	46	42	46	33	48	59	59	56	65	41	43	34	45	55.4
	Minimum	52	51	55	53	42	38	40	38	30	30	18	39	42	41	52	44	56	43	30	24	25	24	26	30	32	32	38	22	22	12	20	35.5
Terra Alta	Maximum	59	57	65	58	56	49	55	60	50	34	43	44	50	55	57	63	58	46	45	33	37	35	40	39	39	44	44	46	29	26	30	46.6
	Minimum	44	48	56	53	43	38	42	35	32	25	25	40	41	40	52	53	44	41	32	25	28	28	27	26	35	31	32	23	16	22	23	35.5
Wellsburg	Maximum	77	70	68	72	67	65	60	61	63	56	49	49	59	67	60	60	70	59	56	42	45	41	50	49	51	48	47	47	36	36	43	55.6
	Minimum	51	55	65	60	57	50	42	41	33	31	26	41	34	38	53	44	48	39	37	34	32	32	28	28	40	39	39	28	19	30	31	39.5
Wheeling§	Maximum	84	67	75	60	62	57	66	70	50	47	50	50	61	65	62	71	64	64	48	46	49	42	57	56	48	48	52	48	42	36	..	56.6
	Minimum	54	57	58	55	50	44	43	34	37	30	25	27	42	39	41	45	46	43	39	30	30	30	25	30	37	36	36	33	20	20	28	37.6
Southern Division																																	
Bluefield	Maximum	71	68	70	72	74	70	69	68	66	60	....	64	68	66	67	72	70	...	71	50	45	46	61	63	....	59	62	65	50	41	....	63.3
	Minimum	42	45	47	41	40	45	38	42	30	32	....	34	45	50	52	50	50	....	28	20	26	31	38	41	....	40	41	39	38	28	....	39.0
Charleston	Maximum	71	77	80	68	67	69	69	56	51	60	61	62	63	73	76	70	66	56	50	51	51	61	70	56	63	54	55	40	36	46	....	60.9
	Minimum	57	58	59	53	45	48	47	48	31	28	34	48	50	54	58	59	49	50	37	31	31	29	33	45	35	35	28	23	25	32	28	41.5
Gary§	Maximum	77	70	78	80	64	72	68	70	59	45	64	66	69	63	71	72	73	69	54	47	49	43	54	67	54	66	56	58	50	35	51	61.7
	Minimum	54	61	61	60	57	45	49	54	58	33	26	36	52	56	58	59	59	53	52	33	30	31	29	34	48	34	36	25	25	27	33	44.2
Hinton§	Maximum	72	82	81	71	68	76	74	70	56	48	64	70	69	75	74	80	74	62	54	46	48	44	51	68	54	49	44	40	42	40	42	61.1
	Minimum	58	60	62	62	56	48	55	58	56	34	32	48	56	56	58	58	74	55	54	34	32	40	34	42	54	38	38	30	28	33	33	47.6
Huntington§	Maximum	77	72	74	78	69	64	62	65	63	52	57	56	59	61	71	68	65	61	53	48	50	45	67	56	62	59	51	47	45	42	43	59.5
	Minimum	55	62	64	65	55	50	51	47	48	33	30	32	53	53	55	60	60	50	42	37	36	35	33	38	38	36	38	33	24	25	32	44.2
Lewisburg	Maximum	63	63	73	74	70	65	68	64	60	54	55	59	61	61	68	67	68	59	59	44	48	46	50	52	61	56	56	58	45	41	33	58.3
	Minimum	57	50	55	59	51	38	41	50	49	30	24	47	51	53	53	55	55	50	41	31	28	32	22	37	43	33	36	23	19	28	25	40.8
Marlinton	Maximum	58	58	68	70	60	56	62	64	56	46	48	52	60	52	64	60	64	52	48	46	42	36	44	42	56	50	46	50	40	32	34	52.1
	Minimum	52	52	50	54	50	40	48	44	44	28	20	44	44	50	48	50	48	44	34	28	26	24	14	30	38	30	26	18	18	24	26	37.0
Point Pleasant	Maximum	....	....	....	....	60	60	70	....	70	62	56	60	54	70	....	....	70	....	49	49	44	46	55	58	59	67	55	47	40	56	45	56.0
	Minimum	60	54	51	51	50	50	50	60	40	30	29	25	28	35	40	50	50	51	39	32	35	30	29	41	44	34	38	28	19	29	20	39.4
Ravenswood	Maximum	78	86	85	78	72	64	66	66	63	47	55	55	59	65	71	69	72	63	62	46	45	58	55	59	60	56	54	49	39	37	45	60.0
	Minimum	57	64	56	53	54	47	51	39	44	31	21	47	43	39	49	45	44	47	40	34	34	34	27	43	43	36	39	30	20	30	29	41.0
Robertsburg§	Maximum	83	74	78	77	63	63	68	68	55	48	57	54	62	64	64	68	68	63	49	50	52	46	57	68	46	60	55	48	48	49	40	59.5
	Minimum	53	60	62	61	51	44	48	39	40	29	24	31	47	47	55	55	56	31	37	32	30	32	22	32	43	34	36	29	19	21	30	39.7
Ryan	Maximum	76	70	79	78	70	65	65	70	60	60	55	53	60	60	71	66	71	65	55	48	51	46	58	58	62	58	52	50	40	43	42	60.0
	Minimum	56	61	63	61	51	44	50	36	38	27	20	45	50	48	57	54	52	48	40	31	27	31	20	38	43	31	35	25	14	31	30	40.6
Spencer§	Maximum	75	70	77	77	73	62	62	69	52	47	57	53	61	62	70	72	69	61	55	48	49	42	55	65	50	55	51	45	32	32	39	57.0
	Minimum	50	63	63	62	51	47	52	40	41	30	25	47	48	50	53	55	56	48	41	35	34	34	25	40	44	34	38	30	18	30	30	42.4
Summersville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	. .	.	....	...	....	....	....
Sutton	Maximum	76	74	78	78	76	66	66	68	68	60	52	53	61	70	70	74	74	72	66	55	48	46	57	68	68	67	60	60	41	38	45	63.1
	Minimum	53	52	54	52	50	43	44	43	45	32	23	42	42	43	46	46	43	48	37	32	27	26	24	36	39	34	38	22	19	29	28	38.
Union	Maximum	76	73	77	....	76	69	72	73	68	56	....	65	62	62	66	70	74	....	68	52	49	48	52	58	....	61	60	58	55	45	57	63.0
	Minimum	54	54	55	....	50	37	49	51	49	29	....	41	50	50	52	52	57	....	44	29	28	31	22	36	....	31	34	24	20	26	23	39.9
White Sulphur Spgs§	Maximum	62	62	62	62	62	71	65	61	46	56	61	60	59	59	65	67	59	55	45	55	45	43	50	57	67	47	45	45	34	48	....	55.
	Minimum	55	54	57	53	38	50	51	55	32	23	43	52	54	53	51	56	51	47	32	27	32	23	34	43	29	38	21	20	30	24	27	40.0
Williamson§	Maximum	75	68	74	77	65	64	63	65	56	45	57	59	60	64	69	71	68	60	54	46	47	43	58	64	50	58	49	49	40	36	43	58.0
	Minimum	56	61	62	62	58	50	50	52	55	34	32	32	50	51	55	60	61	51	51	35	32	34	33	37	48	37	37	31	31	27	32	45.

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[WBO, Cleveland, 12-9-25—830]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIII Parkersburg, W. Va., November, 1925 No. 11

GENERAL SUMMARY

November was wet and somewhat colder than usual. The average precipitation, 3.66 inches, was practically 1 inch above the normal, and was the greatest of State record for November, except in 1897, 1912, 1919, and 1921. However, compared with the previous month, October, the month seemed only slightly wet. While the temperature averaged more than 2° below the normal, there were no decidedly cold periods, the month being characterized by four rather long periods of moderately cold weather. The lowest temperature noted was 6°, and lower readings were recorded in November in fourteen of the past thirty-five years. The snowfall was much below the normal and was unimportant in nearly all the agricultural districts. The conditions were generally unfavorable for shocked corn, late threshing and potato digging, and for outdoor work in general.

TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 40.6°. The departure from the normal for 44 stations having ten or more years of record was —2.4°. The month opened cold, and the temperature was also considerably below the normal from the 8th to the 11th, 16th to the 18th, 21st to the 24th, and during the last three days, with the lowest readings occurring generally on the 29th. From the 11th to the 15th and the 25th to the 27th the temperature was somewhat above the normal, with the highest readings generally on the 15th.

PRECIPITATION

The average precipitation for the State, determined from 86 stations, was 3.66 inches. The departure from the normal for 52 stations having ten or more years of record was +1.05 inches. While the precipitation was quite favorably distributed, the monthly amounts were greatest over the mountain portions of the State and least over the extreme eastern counties. Most of the precipitation was received on the 3d, 5-6th, 7-8th, 12-13th, 15-16th, and 27th, the greatest amounts being recorded on the 8th, 12-13th, 16th, and 27th. Snow or snow flurries occurred in many sections on the 9th, 16th, and 22-23d, the heaviest snow falling on the 16th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 2d and 3d; Bayard, 3d, 6th, and 7th; Elkins, 3d; Mannington, 3d; Moundsville, 2d and 3d; New Cumberland, 1st and 2d; Pickens, 2d; Pt. Pleasant, 1st; Terra Alta, 6th; Wellsburg, 3d.

Halo, lunar: Bayard, 25th.

Sleet: Camden-on-Gauley, 27th; Lost Creek, 16th; Martinsburg, 26th; Parkersburg, 15th; Wheeling, 13th.

Thunderstorms: Camden-on-Gauley and Wheeling, 13th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.15	82	61	76	129.8	43	5,946	8.3	34	sw.	15
Columbus, Ohio	30.13	81	67	73	134.0	45	8,870	12.3	38	w.	8
Elkins	30.19	83	64	77	139.9	46	4,737	6.6	33	sw.	13
Lexington, Ky	30.17	85	70	....	107.3	35	10,446	14.5	56	sw.	7
Parkersburg	30.16	74	58	68	90.2	30	4,344	6.0	28	w.	8
Pittsburgh, Pa	30.15	75	65	68	124.4	42	9,230	12.8	42	w.	16
Wytheville, Va	30.17	77	60	71	153.0	50	5,492	7.6	36	sw.	15

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	42.5	80	8	3.04	......	......	......	......	......	......
1892	41.7	81	3	3.10	......	......	......	......	......	......
1893	41.4	74	3	2.12	3.22	0.47	......	13	6	11
1894	39.8	82	5	2.11	3.47	0.25	......	12	6	12
1895	44.6	87	12	2.35	4.00	0.20	......	12	8	10
1896	48.1	80	10	3.50	5.07	1.56	......	10	8	12
1897	45.0	76	13	4.45	7.15	0.30	......	9	9	12
1898	41.4	75	− 3	2.84	4.74	1.00	......	9	11	10
1899	45.6	76	14	1.93	3.49	0.20	T.	11	9	10
1900	45.5	86	9	5.20	8.88	2.71	2.8	8	8	14
1901	38.0	79	7	2.51	5.35	1.23	4.3	8	6	16
1902	50.3	83	12	3.27	4.56	1.23	0.7	11	6	13
1903	38.0	80	− 4	2.46	4.98	0.67	4.6	11	8	11
1904	41.2	75	9	0.64	3.05	0.07	1.4	12	7	11
1905	41.8	74	10	2.44	5.67	0.67	T.	13	7	10
1906	44.2	84	13	2.39	5.50	0.35	2.2	15	5	10
1907	41.8	74	13	3.40	7.05	1.41	1.0	10	8	12
1908	43.3	81	0	1.14	2.73	0.48	5.2	15	8	7
1909	49.1	84	12	1.34	3.85	0.23	0.2	14	7	9
1910	37.3	75	5	1.95	4.41	0.66	1.8	8	7	15
1911	40.5	83	7	2.74	5.54	1.27	2.0	10	7	13
1912	42.8	78	2	1.69	4.08	0.40	0.9	14	7	9
1913	44.5	82	− 1	4.49	7.50	0.61	13.4	12	5	13
1914	42.6	84	2	1.32	2.27	0.50	2.9	16	6	8
1915	45.2	85	11	3.06	5.99	1.15	1.1	13	8	9
1916	43.8	81	8	1.77	3.07	0.75	0.3	16	5	9
1917	39.6	78	0	0.89	3.65	0.05	1.5	16	4	10
1918	42.9	79	12	1.89	4.60	0.64	0.2	13	5	12
1919	44.4	80	10	4.51	7.53	0.85	0.3	12	6	12
1920	41.6	80	5	3.21	5.69	1.47	4.1	9	4	17
1921	46.1	85	11	5.99	8.81	2.52	0.8	7	6	17
1922	43.8	80	2	1.15	2.49	0.17	1.3	12	4	14
1923	42.3	73	10	3.49	5.35	1.70	0.7	13	3	14
1924	42.9	87	9	2.05	4.11	0.45	4.1	10	6	14
1925	40.6	78	6	3.66	6.62	0.65	0.9	11	5	14
Means and extremes	43.0	87	− 4	2.69	8.88	0.05	2.2	12	6	12

Climatological Data for November, 1925

Stations	Counties			Temperature, in degrees Fahr.							Precipitation, in inches				No. of days					Observers
		Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	
Panhandle Division																				
Bayard	Grant	2,375	24	37.2	- 1.0	66	15	11	1	43	5.86	+1.40	1.67	2.5	10	10	5	15	sw.	U. G. Clark
Brandywine	Pendleton	1,586	9	38.8	- 3.2	65	15	10	29	39	1.90	+0.20	......	T.	6	8	7	15	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	36	......	......	......	......	......	......	......	1.60	-0.62	1.12	0	4	......	......	......	......	J. C. Newcomer
Inwood	Berkeley	569	3	41.6	......	71	16	13	25	47	2.12	......	0.85	0	7	......	......	......	w.	H. W. Prettyman
Martinsburg	Berkeley	435	33	42.2^{a}	- 0.5	70^{a}	15	22	25	37^{a}	2.17	-0.09	1.50	T.	8	19	6	5	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	29	42.0^{n}	- 1.7	73	15	18^{n}	18†	47^{n}	1.35	-0.26	0.96	0	3	25	3	2	......	M. S. Henkel
Piedmont	Mineral	1,053	12	39.8	- 2.0	64	15†	18	1	34	3.27	+1.26	1.58	T.	9	10	6	14	nw.	C. A. Suter, Jr.
Romney ††	Hampshire	824	27	40.0^{a}	......	71^{a}	15	16	12	44^{a}	1.57	......	1.12	0	3	7	8	15	......	George E. Bergdoll
Stony River Dam	Grant	3,300	5	......	......	......	......	......	......	......	2.66	......	1.35	4.5	8	5	5	20	w.	A. C. Becker
Upper Tract	Pendleton	1,230	26	38.6^{k}	- 5.0	62^{k}	11	14^{k}	1	40^{k}	0.65	-0.88	0.40	0	3	13^{b}	0^{b}	15^{b}	......	J. M. Mallow
Wardensville ††	Hardy	1,200	7	42.6^{a}	......	69	15	14^{a}	25	47^{a}	1.92	......	0.87	T.	4	12^{b}	4^{b}	12^{b}	ne.	Luther F. Sutton
Averages and	extremes	......	......	40.0	- 2.2	73	15	10	29	47	2.40	+0.14	1.67	0.8	6	13	5	12	w.	
Northern Division																				
Aberdeen	Upshur	1,060	1	......	......	......	......	......	......	......	4.09	......	0.93	1.5	11	6	9	15	nw.	L. Else Bond
Bens Run	Pleasants	652	23	41.0	- 2.3	60	14	22	29	28	3.38	+0.83	0.95	1.0	11	10	9	11	......	J. D. Riggs
Benson	Harrison	1,080	2	40.8	......	70	15	16	29	44	4.24	......	0.94	0.2	13	8	10	12	......	R. D. Marts
Brownsville	Lewis	1,032	2	42.4	......	72	15	17	29	45	3.79	......	0.86	T.	10	8	10	12	......	S. L. Montgomery
Bruceton Mills	Preston	1,549	5	......	......	......	......	......	......	......	4.03	+1.38	0.92	3.0	13	5	10	15	......	W. M. Wolf
Buckhannon	Upshur	1,411	28	40.8	- 0.6	69	15	21	10†	39	4.61	+1.15	1.10	T.	9	12	6	12	......	H. A. Darnall
Cairo	Ritchie	680	26	39.7	- 4.1	63	15	17	29	36	3.84	+1.17	0.93	T.	10	11	2	17	......	O. C. Hess
Clarksburg	Harrison	1,015	3	40.8^{a}	......	72^{a}	15	20	10†	42^{a}	3.33	......	1.18	0.5	11	10	7	13	nw.	Clarksburg Water Board
Cortland	Tucker	3,300	14	......	......	......	......	......	......	......	4.94	+2.64	1.70	7.0	6	7	13	10	......	G. W. Harmon
Crawford	Lewis	1,107	2	......	......	......	......	......	......	......	3.92	......	1.06	1.0	8	9	10	11	......	George W. Blair
Creston	Wirt	640	23	42.4	- 1.3	70	15	18	29	40	3.69	+1.19	0.91	T.	11	8	3	19	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	4	......	......	......	......	......	......	......	3.88	......	1.12	......	11	......	......	......	w.	Lockmaster
Dam 12 O. R.	Ohio	660	9	......	......	......	......	......	......	......	3.35	......	1.35	......	7	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	9	......	......	......	......	......	......	......	3.55	......	1.15	......	8	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	4	......	......	......	......	......	......	......	4.17	......	1.36	1.0	15	......	......	......	......	Lockmaster
Davis	Tucker	3,093	16	......	......	......	......	......	......	......	4.42	+1.45	0.81	7.5	12	7	8	15	w.	Ross C. Male
Elizabeth [Dam 3 L.K.]	Wirt	615	13	......	......	......	......	......	......	......	3.24	+0.77	0.95	......	9	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	24	38.7	- 1.6	66	11	13	18	39	3.21	+0.35	0.80	2.1	15	8	5	17	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	0	......	......	......	......	......	......	......	3.94	......	0.96	3.0	13	4	11	15	......	Claude A. Cunningham
Fairmont	Marion	883	19	39.8	- 2.6	67	15	21	29	36	4.26	+1.43	1.35	0 3	11	20	0	10	w.	Creed E. Bolyard
Glenville	Gilmer	738	31	44.2	- 0.6	78	4	20	29	45	4.27	+1.29	1.12	0.8	11	9	6	15	w.	Howard R. Brannon
Grafton (near)	Taylor	1,000	32	38.6^{a}	- 4.3	72^{a}	15	12	18	48^{a}	3.92	+0.95	1.22	T.	9	14	4	12	w.	Curtis Boice
Horner	Lewis	1,044	2	......	......	......	......	......	......	......	4 04	......	0.92	0.5	10	14	6	10	......	Thomas E. Miles
Horton	Randolph	2,840	0	......	......	......	......	......	......	......	3.17	......	1.08	1.8	9	7	5	18	sw.	J. W. White
Janelew (near)	Lewis	1,020	2	41.6	......	72	15	15	29	46	3.50	......	0.75	1.0	9	13	3	14	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	27	40.0	- 2.2	73	15	14	29	48	3.77	+1.27	0.97	0.5	11	10	5	15	w.	Allen Smith
Mannington	Marion	985	22	40.0	- 1.3	69	15	18	29	40	4.20	+1.70	1.07	0.5	12	9	6	15	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	32	42.1	- 1.3	76	15	20	29	40	3.23	+0.33	0.92	T	7	6	6	18	......	Prof. E. L. Andrews
Moundsville	Marshall	689	22	40.2^{a}	- 3.0	68^{a}	6	19	28	36^{a}	3.35	+1.60	1.14	T.	7	9	6	15	sw.	Fred N. Wilson
New Cumberland	Hancock	671	27	39.2	- 2.1	68	7	16	24	36	3.67	+1.82	1.19	1.5	8	11	1	18	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	31	41.7	- 2.8	68	8	17	29	38	3.18	+0.54	1.00	T.	8	7	9	14	s.	Wm. Ankrom
Parkersburg	Wood	638	38	42.4	- 1.2	68	15	24	29	30	3.91	+1.08	1.05	T.	11	8	4	18	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	25	39.0	- 1.9	68	15	14	18	44	4.23	+1.69	......	2.0	......	10	1	19	......	J. W. Swisher
Philippi	Barbour	1,550	28	42.0	- 1.1	74	15	19	29	36	4.91	+2.12	2.02	0.5	9	6	8	16	w.	Prof. W. B. Pimm
Pickens	Randolph	2,697	22	36 3	- 4.3	63	8	12	17†	42	5.74	+1.89	1.30	10.0	11	13	3	14	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	2	......	......	......	......	......	......	......	3.12	......	0.95	0.2	10	5	9	16	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	38	......	......	......	......	......	......	......	6.62	+3.54	2.65	2.0	13	......	......	......	......	J. F. Pierce
Saint Marys	Pleasants	577	16	......	......	......	......	......	......	......	3.67	+1.19	1.05	......	10	......	......	......	n.	Wm. Hughes
Smithfield	Wetzel	850	19	43.6	- 2.5	70	8	20	19†	47	4.42	+1.45	1.25	0.5	8	13	3	14	......	G. M. Whisler
Terra Alta	Preston	2,559	24	33.4	- 8.1	63	15	6	1	37	5.17	+2 09	1.02	5.1	14	7	6	17	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	2	42.9	......	72	15	20	9†	43	3.23	......	0.86	0.5	10	13	2	15	w.	J. C. Campbell
Vandalia	Lewis	1,120	2	......	......	......	......	......	......	......	4.90	......	2.00	......	6	......	......	......	......	Miss Phyllis West
Wellsburg	Brooke	668	24	39.4	- 1.9	64	15	15	24†	35	3.91	+1.76	0.87	2.0	11	13	5	12	w.	George P. Pfister
West Milford	Harrison	979	0	......	......	......	......	......	......	......	3.86	......	0.86	......	13	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	29	42.6^{a}	- 0.7	72^{a}	15	21^{a}	10†	42^{a}	3.94	+0.71	1.00	1.0	10	10^{a}	14^{a}	5^{a}	......	Weston State Hospital
Wheeling	Ohio	645	38	38.9^{b}	- 2.2	67^{b}	11	19^{a}	24	44^{b}	3.20	+0.77	1.21	0.2	8	14^{a}	5^{a}	10^{a}	......	Miss M. B. Forsyth
Wymer	Randolph	......	......	......	......	......	......	......	......	......	2.79	......	0.55	1.5	12	6^{e}	2^{e}	17^{e}	e.	T. R. Ratzer
Averages and	extremes	......	......	40.5	- 2.3	78	4	6	1	48	3.95	+1.38	2.65	1.5	10	10	6	14	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	......	......	......	......	......	......	......	......	3.36	......	1.30	T.	7	11	5	14	sw.	H. S. Sutton
Bancroft	Putnam	574	21	41.5	- 3.0	70	7	18	24	44	3.53	+1.13	0.78	T.	8	19	0	11	ne.	R. E. Dent
Beckley	Raleigh	2,440	25	39.2	- 3.6	66	14	14	24	39	2.65	+0.26	1.10	0	5	5	10	15	w.	K. E. Williams
Bluefield *	Mercer	2,563	30	47.0	+ 2.6	68	11	23	23	39	2.73	+0.45	0.98	0	12	10	8	7	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	10	......	......	......	......	......	......	......	4.00	......	1.20	T.	4	6	0	24	......	Miss Katie Jarvis
Charleston	Kanawha	600	22	43.2^{a}	- 5.0	74^{a}	14	20	23†	42^{a}	3.48	+0.41	0.88	0	10	12	0	18	......	R. O. Fields
Clay	Clay	706	9	......	......	......	......	......	......	......	4.01	......	1.35	......	14	......	......	......	......	Ted Thomas
Dam 6 G. K.	Kanawha	598	......	......	......	......	......	......	......	......	3.31	......	0.97	0	7	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	9	......	......	......	......	......	......	......	4.75	......	1.28	......	12	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	9	......	......	......	......	......	......	......	4.61	......	1.30	T.	9	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	9	......	......	......	......	......	......	......	4.65	......	1.20	0	8	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	9	43.0^{e}	......	72^{e}	15	17	24†	41^{e}	2.70	......	0.94	T.	12	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	28	38.8^{i}	- 5.2	54^{i}	26	20	24	24^{i}	2.41	+0.21	0.87	T.	9	9	4	17	......	Mrs. J. R. Baber
Huntington	Cabell	538	31	42.6	- 1.0	67	15	22	24†	33	4.52	+1.73	1.18	T.	10	12	4	14	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	6	......	......	......	......	......	......	......	3.13	......	1.10	0	5	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	9	......	......	......	......	......	......	......	3.46	......	1.06	0.5	12	......	......	......	......	Cabin Creek Con. Coal C
Lewisburg	Greenbrier	2,250	25	39.8	- 1.7	64	15	10	18	40	2.23	-0.23	0.82	T.	8	12	7	11	nw.	Geo. F. Argabrite
Logan	Logan	700	22	......	......	......	......	......	......	......	3.31	+0.49	1.07	0	7	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	26	35.0	- 2.8	58	15	8	29	36	4.16	+1.42	1.42	T.	7	10	9	11	sw.	S. L. Brown
Point Pleasant	Mason	595	32	43.0	- 2.0	68	14	19	24	40	4.98	+2.18	1.30	0	9	19	1	10	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	10	42.5	......	69	15	19	24	34	4.09	......	1.35	0	7	6	0	24	sw.	Lockmaster
Robertsburg	Putnam	570	25	40.4	- 2.8	70	7†	17	24	42	3.86	+1.43	0.86	0	12	14	0	16	......	M. Frazier
Ryan	Roane	706	22	40.2	- 2.7	70	15	14	29	43	3.30	+0.82	0 82	0.5	12	11	3	16	......	Wm. E. Ryan
Sharples	Logan	......	5	......	......	......	......	......	......	......	4.26	......	1.19	0	9	......	......	......	......	F. H. Locke
Sissonville	Kanawha	625	......	......	......	......	......	......	......	......	4.05	......	1.27	......	4	......	......	......	......	J. N. Johnson
Sutton	Braxton	850	19	40.4	- 3.4	71	15†	11	29	45	4.46	+0.50	1.12	1.0	11	17	0	13	......	C. B. Eakle
Union	Monroe	2,250	21	41.0^{e}	0	65^{e}	9	14^{e}	29	44^{f}	1.94	-0.05	0.41	0	8	8^{e}	7^{e}	10^{e}	......	W. M. H. Young
Wayne ††	Wayne	598	......	......	......	......	......	......	......	......	4.70	......	1.29	T.	11	......	......	......	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	15	39.0^{a}	- 3.8	60^{a}	13	14	28	33^{a}	2.86	+0.45	0.52	0	11	21	2	7	......	E. J. Comar
Williamson	Mingo	660	25	41.6	- 3.6	68	15	20	24†	33	4.62	+2.03	1.15	0	8	16	2	12	w.	J. F. Keyser
Averages and	extremes	......	......	41.1	- 2.5	74	14	8	29	45	3.57	+0.83	1.42	0.1	9	13	3	14	w.	
State averages and	extremes	......	......	40.6	- 2.4	78	4	6	1	48	3.66	+1.05	2.65	0.9	9	11	5	14	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries. Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days: for example, ^{b} represents two days, etc.

Daily Precipitation for November, 1925

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
ayard‖	Potomac		T.				.24		1.19	.14				1.67	.69		.44	.21	T.					.02		T.		.17	1.09	T.			5.86
randywine	do																																....
urlington	do																																
arpers Ferry ‖	do						.22			.21				1.12														.05					1.60
twood	do		.15		.20			.18	.12			.52		.85														.10					2.12
artinsburg‖	do			.02			.24		.20	.08				1.50			.02			T.							T.	.07	.04				2.17
oorefield	do						.19	.20						.96																			1.35
iedmont	do		.01			.21		.55	.15				1.58	.34	.02	T.	.12									T.		.29					3.27
omney ‖	do							.35					1.12														.10						1.57
tony River Dam‖	do													1.35	.28		.63	.08	.24										.08				2.66
pper Tract	do	T.		.10		.15								.40	T.		T.	T.						T.	T.		T.						0.65
ardensville‖	do		.20				T.	.87					T.	.60			.15	T.							.04			.06					1.92
Northern Division																																	
berdeen	Monongahela					.15	.30	.33	.93				.90	.24		T.	.77	.07					.03	.01				.36	T.				4.09
ens Run	Ohio					.50	.12	.47	.28				.95	.12		.30	.10			.21			.03	T.				.30					3.38
enson	Monongahela		T.			.10	.30	.29	.67				.87	.44		.16	.94	.02		.07			.02	.01				.35	T.				4.24
rownsville	do	T.				.08	.35	.30	.62				.86	.39		T.	.82	.06		T.	T.		T.	.03				.28	T.				3.79
ruceton Mills	do																																....
uckhannon	do		T.			.12	.30	.36	1.10				1.10	.33		T.	.65	T.					.15	T.				.50					4.61
iro	Little Kanawha		.02			.46		.41	.47				.93	.18		.80	.04			.07				T.				.46					3.84
eat Bridge ‖	Monongahela																																....
arksburg ‖	do		.02				.34		.70					1.18	.03		.66	.06			.02			.03				.06	.23				3.33
rtland ‖	do					1.07		1.11					1.70				.56										.30	.20					4.94
awford	Little Kanawha					.05	.29	1.06					.90	.25			.90							.05				.42					3.92
eston ‖	Monongahela						.44		.91				.04	.86	.23		.65	T.		.05	.06			.10	T.			.20	.15				3.69
m 10, Mon. R.‖	Ohio						.27		1.04	.02			.01	1.12	.05		.84	.03		.02								.17	.31				3.88
m 12, O. R.‖	do																																....
m 13, O. R.‖	Monongahela																																....
m 15, Mon. R.‖	do						.36		.98	.11			.04	1.36	.07		.63	.10	.02	.03	.02			.04	.01			.15	.25				4.17
vis ‖	do						.35	.04	.70	.11				.81	.50		.59	.37	.12		T.			T.	.12			.40	.31				4.42
izabeth‖	Little Kanawha						.46		.95				.02	.93	.03		.38	.02										.21	.24				3.24
kins ***	Monongahela		.01			.16	.10	.16	.66				.63	.17		.48	.19	.03		T.	.01		.04	.04		T.	.06	.47	T.				3.21
enwood	do					.20	.06	.27	.59			.10	.89	.96		.12	.06	.19					.06	.04				.40					3.94
irmont‖	do			T.			.31		1.05	T.			.02	1.35	.11		.80	.07	T.	T.	.08			.05	T.	T.		.16	.26				4.26
nville ‖	Little Kanawha		.06				.70	.62					.06	1.04			1.12	.08						.05	.08			.10	.36				4.27
afton (near) ‖	Monongahela		T.			.40		.39	.57				1.22	.08		.70	.04							.05				.47					3.92
rner	do					.09	.30	.35	.92				.87	.34			.72	.04						.03				.38					4.04
rton	Monongahela					.14	.04	.12	.40				1.08	.57			.60	T.						.05				.17					3.17
elew(near)	do					.08	.30	.30	.60				.75	.32			.75							.05				.35					3.50
t Creek	do		T.			.11	.18	.30	.72	T.			.97	.45		.12	.58	T.		.10			.03	T.				.21	T.				3.77
nnington	do					.13	.18	.48	.66				1.07	.23		.32	.54	T.		.06	T.		.05	.02				.46	T.				4.20
rgantown	do					.15		.48	.70				.92	.25		T.	.29						T.	T.		T.		.44					3.23
undsville‖	Ohio					.48		.83					1.14	.07		.42	T.	T.		.11								.30					3.35
w Cumberland‖	do						.28		1.15					1.19			.40			.05					T.	.14		.34	.12				3.67
w Martinsville	do					.40	.15		.35				1.00	.10		.65	T.			.20								.33					3.18
rkersburg ***	do		.01			1.05		.86	.12				.94	.11		.26	.03	T.		.11			T.	T.			.02	.40					3.91
rsons	Monongahela		.11			*		*	*				*	*		*	3.40						T.	.08	T.	T.	*	.64					4.23
lippi	do					.15	.33	.35	.85				.80	.36		T.	.04	T.		T.			T.	.01			T.	2.02					4.91
kens	do		T.			.91	.20	.31	.79				.83			.60	.40	.08		T.			.08	.24			T.	1.30					5.74
noke	do					.02	.03	.31	.95				.90	.05		T.	.81	T.		T.	T.	.01	T.	.02				.02					3.12
vlesburg ‖	do		T.	.04			.40		.51	.64				2.65	.70		.68	.20			.03			.05	.11			.23	.38				6.62
nt Marys ‖	Ohio						.66		.73				T.	1.05	.03		.45	.10		.12	.05			T.				.37	.11				3.67
ithfield‖	Fishing Creek						.61		.88				.03	1.18			T.		1.25					.04				.24		.19			4.42
ra Alta	Monongahela		.05			.16	.30	.38	.98				.82	1.02		T.	.37	.12			.08		.01	.02	T.	.06		.80					5.17
ley Chapel	do								.80				.86	.24		.01	.82	.07		.03			.02					.37	.01				3.23
dalia	do							.20	2.00				.95								.20	.15						1.40					4.90
lsburg	Ohio					.26	.10	.70	.63				.87	.50		.15	.18			.09				T.		.14		.29					3.91
t Milford	Monongahela		.03		.10	.31		.26	.60				.80	.50		.05	.65			.07	.03							.44	.02				3.86
ston	do						.06	.45	.32	.60			1.00	.22			.75	.05						.04				.45					3.94
eeling ‖	Ohio						.41	T.	.82					1.21	.01		.38	T.		.12						T.		.19	.06				3.20
mer	Monongahela		.43			.07	.10	.20	.26				.55	.48		.05	.25							.04		.04		.32			T.		2.79
uthern Division																																	
ovale	Great Kanawha					.13		.34	.58				1.30	.33			.37	T						T.				.31					3.36
croft ‖	do		.10				.75		.70				.07	.78			.43							T.				.62	.08				3.53
kley	do	.42					1.10					.88		.15											.10								2.65
field	do		.16	.02			.16	.53	.17				.98	.07			.22	.12			.08							.19	.03				2.73
den-on-Gauley‖	do		.80				1.00							1.20			T.							T.				1.00					4.00
rleston ‖	do		.04	.04			.44		.88				.04	.74			.70				.04							.22	.34				3.48
‖	do		.03				.48	.10	1.35				.15	.68	.08		.68	.01			.03			.06	.01			.06		.29			4.01
6 G. K. ‖	do						.61		.97				.10		.59		.52											.31		.21			3.31
19 O. R. ‖	Ohio		.03			T.	1.00		1.28				.04	1.12	.12		.34	.03		.14	.02			T.				.38	.25				4.75
20 O. R. ‖	do					T.	1.30		.97				.06	1.26	.04		.33	.03		.04								.38	.20				4.61
26 O. R ‖	do					.10	1.10		.90				.10	1.20			.40											.55	.30				4.65
‖	Big Sandy		.10	.04			.15	.03	.94				.24	.47			.41	.05			.05							.16	.06				2.70
n Sulphur Spgs.	do																																....
on ‖	do		.06	.04					.61	.16			.20	.87			.20											.17	.10				2.41
tington ‖	Ohio		.06			.10	1.08	.04	1.00				.16	.88	T.		.58			.02				T.	T.			.60	T.				4.52
awha Falls‖	Great Kanawha						.23		1.10					.63			.90												.27				3.13
ford‖	do		T.	.06			.29	.02	1.06				.01	.61	.02		.92	T.			.03			T.	.07			.11	.26				3.46
sburg	do		.08			T	.05	.39	.34				.82	.17			.12											.26					2.23
n ‖	Guyandotte						.06		1.07				.33	.58			.85				T.							.04	.38				3.31
inton	Great Kanawha		.52			.12		.68	.62				1.42	.44		T.	T.	T.	T.					T.				.36					4.16
n Cave	do		.08			.10		.15	.20				.68	.18			.20											.18					1.77
t Pleasant ‖	Ohio					.10	1.08		1.00				.05	1.30	.05		.40	T.		T.	T.			T.	T.			.60	.40				4.98
nswood (Dam 22	do						1.35		.90					.95			.30				.05							.24	.30				4.09
rtsburg ‖	Great Kanawha		.03			.14	.85	.04	.80				.13	.86	.02		.18			.02								.61	.12				3.80
	do		.05			.22	.06	.43	.45				.82	.06		.36				.31			.03	.05				.46					3.30
ples ‖	Coal River		.05				.50		1.19				.21	.64	T.		.78				.12							.38	.39				4.26
nville‖	Great Kanawha					1.19			.73					.86																1.27			4.05
ver ‖	do																																....
nersville	Gauley																																....
n	Great Kanawha		T.			.22	.26	.40	1.12				.72	.24			.70			.12			.13	.08		T.		.47					4.46
n	do		.14				.09	.19		.35			.41	.39			.16									T.		.21					1.94
e ‖	Big Sandy		.08			1.12	.17	.04	.86				.20	.77		.45	T.		.03								.71	.27					4.70
Sulpr. Spgs.‖	Great Kanawha	.52	.03			.06		.45	.12			.20	.50		.22	.47											.20	.09					2.86
amson ‖	Big Sandy		.65	T.			.56		1.15				.32	.72			.66				T.						T.	.36	.20				4.62

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete.

Daily Temperatures for November, 1925

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Panhandle Division																																
Bayard	Maximum	46	51	50	48	54	50	53	61	34	50	58	60	50	52	66	58	28	51	50	42	41	52	50	27	43	44	55	43	30	39	....
	Minimum	11	23	25	27	38	44	30	33	20	22	21	29	42	40	23	26	24	12	26	37	33	25	21	16	23	18	36	26	17	23	....
Brandywine	Maximum	40	45	45	46	50	55	60	52	50	52	57	55	50	55	65	60	48	54	55	50	55	55	48	40	45	47	48	46	40	45	....
	Minimum	18	36	34	18	41	41	45	36	24	22	18	34	40	45	26	32	28	18	35	24	20	22	22	15	20	24	25	32	10	15	....
Inwood	Maximum	45	49	52	51	63	62	61	64	63	55	65	61	64	66	70	71	59	53	60	57	62	66	60	49	48	45	65	58	49	65	....
	Minimum	15	25	31	21	31	34	27	36	36	21	18	26	40	41	25	30	25	16	22	24	22	25	17	16	13	19	28	18	14	20	....
Martinsburg§	Maximum	49	45	54	52	51	61	58	61	45	56	60	58	64	62	70	43	54	60	56	58	63	62	42	40	40	43	57	42	35	....	....
	Minimum	25	27	37	31	35	42	37	40	30	28	27	27	38	48	33	38	24	25	33	35	33	30	27	24	22	27	27	37	25	28	....
Moorfield	Maximum	51	46	56	53	57	65	59	68	60	57	69	61	57	62	73	69	45	54	62	58	65	67	54	41	55	51	63	54	42	44	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	26	37	32	18	29	36	24	25	20	23	18	21	38	35	21	26	....
Piedmont	Maximum	40	43	51	47	50	56	46	55	39	52	62	50	54	56	64	64	46	54	48	49	56	59	42	33	47	47	54	35	32	39	....
	Minimum	18	28	34	29	42	44	35	35	26	27	28	34	47	46	31	31	31	26	27	25	37	27	25	23	25	25	35	31	24	26	....
Romney	Maximum	39	44	55	51	57	62	66	46	44	54	65	56	55	59	71	41	38	58	60	61	64	64	34	48	48	43	57	40	33	....	....
	Minimum	19	24	31	22	26	35	34	43	26	24	25	16	36	47	27	36	32	19	21	39	31	25	24	23	19	22	27	34	22	27	....
Upper Tract	Maximum	38	....	46	46	....	54	51	....	....	60	62	....	61	56	....	....	35	....	52	51	50	49	49	50	49	....	....	50	....	50	....
	Minimum	14	....	27	26	....	40	41	....	....	21	22	....	39	47	....	....	28	....	21	24	28	28	25	20	20	....	....	16	....	21	....
Wardensville§	Maximum	48	46	53	58	65	60	58	66	60	55	64	62	60	65	69	65	60	62	60	62	59	63	59	55	60	65	60	65	66	55	....
	Minimum	....	15	36	32	30	34	38	21	21	19	21	31	37	35	36	25	31	20	16	20	25	21	20	21	14	18	20	21	20	18	....
Northern Division																																
Bens Run	Maximum	48	46	47	54	54	53	58	56	40	48	54	55	53	60	56	39	40	50	49	58	56	49	48	37	50	49	54	42	36	48	....
	Minimum	28	32	30	30	39	47	37	38	23	24	29	38	47	43	33	32	32	25	35	39	28	33	27	25	25	29	41	32	22	25	....
Buckhannon	Maximum	51	52	54	59	56	55	61	67	37	52	59	55	54	56	69	50	36	49	48	45	51	51	33	32	46	53	57	41	34	48	....
	Minimum	23	33	31	29	39	44	35	37	24	21	29	39	47	47	30	31	29	21	34	38	30	28	25	21	22	28	41	29	21	28	....
Cairo	Maximum	50	54	54	60	51	55	56	62	39	52	61	55	55	58	63	48	40	54	50	47	53	45	36	40	54	50	45	40	34	46	....
	Minimum	20	29	26	24	34	40	33	38	18	18	25	35	47	44	29	33	32	19	35	32	23	32	23	26	20	32	40	30	17	21	....
Clarksburg	Maximum	57	57	57	60	56	58	68	50	41	57	65	56	53	60	72	35	40	57	47	48	57	50	40	38	48	54	57	42	34	....	....
	Minimum	24	25	30	28	33	40	34	42	24	20	26	30	42	45	30	34	31	20	23	38	30	30	26	24	20	29	29	31	20	25	....
Creston	Maximum	52	55	58	63	59	56	68	67	41	56	67	55	58	60	70	55	42	56	48	46	55	53	38	38	52	54	55	45	40	49	....
	Minimum	23	32	37	26	36	49	36	39	39	21	27	37	48	41	30	34	33	20	34	35	25	27	28	19	21	22	42	30	18	23	....
Elkins	Maximum	56	51	56	53	53	51	63	65	37	55	66	56	53	55	66	33	31	44	48	43	52	52	28	32	47	52	54	34	34	46	....
	Minimum	19	34	34	35	43	33	33	30	23	21	28	35	43	34	27	28	21	13	31	36	31	26	20	18	26	26	34	26	19	29	....
Fairmont§	Maximum	56	51	56	63	55	57	65	50	43	52	63	52	50	61	67	34	31	49	43	48	53	54	30	34	45	50	52	35	35	46	....
	Minimum	25	26	30	30	35	47	35	40	24	25	27	35	44	42	31	33	30	23	23	38	32	32	26	23	24	26	28	31	21	23	....
Glenville	Maximum	56	60	63	78	72	74	70	60	42	47	51	58	52	57	69	77	35	50	51	47	57	67	48	47	45	52	58	50	39	48	....
	Minimum	26	32	35	42	46	49	51	40	21	21	26	38	48	46	29	32	33	21	33	38	25	27	22	21	22	30	41	32	20	25	....
Grafton(near)	Maximum	60	53	57	58	61	54	69	49	43	57	66	54	51	62	72	34	42	56	46	60	59	55	30	38	55	57	57	40	50	....	....
	Minimum	15	24	26	22	27	30	27	34	19	15	21	30	40	38	24	27	26	12	21	32	22	19	21	15	13	17	40	15	20	24	....
Lost Creek	Maximum	54	51	55	61	56	56	60	68	40	59	64	58	55	60	73	54	40	55	47	48	56	51	35	36	49	51	57	43	36	49	....
	Minimum	19	25	23	22	33	45	30	35	16	15	23	42	45	41	25	30	28	15	29	35	26	30	24	20	20	22	42	28	14	20	....
Mannington	Maximum	50	53	53	57	56	55	55	67	38	50	61	52	55	57	69	56	38	49	44	48	53	50	37	34	48	50	54	43	34	45	....
	Minimum	21	28	25	31	40	47	31	37	22	21	26	34	47	43	29	31	31	20	30	37	26	26	25	24	20	22	43	31	18	24	....
Morgantown	Maximum	54	52	54	54	56	56	61	69	39	52	61	56	54	58	76	54	37	51	47	46	53	52	37	32	46	52	55	41	34	47	....
	Minimum	26	34	29	36	42	46	36	35	23	28	39	45	45	42	36	30	29	26	40	40	34	34	24	22	28	24	40	29	20	28	....
New Cumberland§	Maximum	51	54	55	54	51	55	68	48	38	51	62	55	51	58	57	48	40	52	50	45	57	46	32	36	37	52	53	39	31	43	....
	Minimum	30	31	28	30	32	45	32	40	23	24	28	35	41	42	33	34	31	26	27	36	30	33	25	16	24	20	20	29	20	20	....
New Martinsville	Maximum	55	57	59	63	58	60	62	68	53	59	64	58	57	63	65	53	44	56	49	50	58	53	40	38	40	53	53	50	50	58	....
	Minimum	24	27	28	27	36	44	32	30	19	21	26	35	45	40	35	30	30	20	29	35	25	29	20	22	24	30	29	21	17	25	....
Parkersburg	Maximum	52	55	55	60	51	56	66	61	41	53	63	55	54	61	68	38	44	54	48	47	56	47	33	38	53	53	54	37	37	47	....
	Minimum	27	37	35	36	45	41	41	31	26	28	35	44	48	42	38	32	31	28	43	36	32	33	27	25	30	32	37	26	24	28	....
Parsons	Maximum	53	50	53	52	57	53	59	65	40	54	62	54	54	54	68	48	34	44	48	48	52	40	33	30	47	50	55	41	36	43	....
	Minimum	21	29	32	31	40	39	34	33	23	22	24	33	45	40	24	29	24	14	28	34	34	25	26	20	17	24	40	28	20	29	....
Philippi	Maximum	54	53	54	59	58	59	60	70	38	53	53	64	66	58	74	61	38	54	56	48	53	52	35	32	47	57	58	41	35	48	....
	Minimum	23	34	30	33	34	45	34	34	21	23	34	40	44	43	43	28	27	23	37	37	31	32	21	20	24	26	38	27	19	28	....
Pickens	Maximum	57	48	56	48	56	51	59	63	37	58	60	53	54	55	53	32	31	40	45	39	51	45	25	29	43	48	62	35	40	45	....
	Minimum	19	29	25	29	39	32	32	27	16	16	28	37	38	36	28	22	12	12	34	28	28	25	15	13	28	28	32	18	12	20	....
Terra Alta	Maximum	41	42	42	38	50	46	49	41	37	44	54	46	45	48	63	61	25	42	39	38	45	42	30	23	38	39	38	38	29	34	....
	Minimum	6	22	20	28	35	41	28	29	18	22	24	30	40	38	26	24	22	25	26	34	31	30	18	14	22	13	32	23	15	21	....
Wellsburg	Maximum	50	54	53	53	51	54	56	61	37	56	61	57	57	57	64	53	39	51	48	47	55	54	37	45	43	41	52	42	34	44	....
	Minimum	21	26	25	26	37	45	30	36	21	26	26	23	47	42	30	31	31	20	33	31	36	30	26	15	23	17	37	28	15	20	....
Weston	Maximum	54	53	55	66	60	56	61	69	41	55	65	56	56	61	72	68	38	55	52	49	....	56	38	36	49	51	59	49	36	49	....
	Minimum	24	32	30	29	34	36	36	39	24	21	29	38	48	45	30	32	30	22	35	40	....	30	29	22	26	29	41	30	21	26	....
Wheeling§	Maximum	30	52	59	59	52	60	66	56	43	53	67	55	52	63	60	36	40	54	47	54	59	46	35	37	46	53	56	30	....	....	....
	Minimum	27	20	20	28	31	40	33	38	20	20	23	30	40	40	32	32	30	20	21	33	27	30	25	19	22	22	22	27	20	....	....
Southern Division																																
Bluefield	Maximum	....	53	62	62	60	56	58	53	64	40	68	65	56	61	....	63	65	56	53	53	52	....	55	35	51	....	55	49	....	48	....
	Minimum	....	43	35	39	44	48	49	47	35	29	29	48	44	47	....	42	30	31	45	37	33	....	23	25	34	....	44	35	....	40	....
Charleston	Maximum	52	58	60	60	58	72	52	45	62	68	60	57	65	74	40	46	60	50	48	58	53	35	44	54	62	60	42	39	52	....	....
	Minimum	30	38	34	34	48	42	45	24	24	26	31	44	40	34	34	34	24	26	36	28	28	30	20	20	34	40	31	20	22	26	....
Gary §	Maximum	59	57	67	57	63	58	....	....	....	....	....	62	53	65	72	38	46	63	53	48	59	56	30	41	55	63	59	42	45	55	....
	Minimum	26	41	42	36	39	51	45	45	27	23	24	28	43	33	32	33	32	22	23	36	29	27	28	17	17	28	37	32	21	24	....
Hinton §	Maximum	48	48	46	....	....	....	....	....	....	....	....	....	53	44	42	42	40	47	46	40	42	40	34	36	52	54	44	38	36	36	....
	Minimum	34	40	40	33	46	38	36	58	28	26	32	34	53	40	32	34	32	23	37	38	32	28	28	20	28	36	44	32	24	28	....
Huntington §	Maximum	46	54	55	60	56	55	66	62	41	53	60	51	54	60	67	56	46	55	48	46	53	45	42	43	55	55	55	48	42	49	....
	Minimum	30	30	35	32	32	48	44	47	24	24	28	33	50	42	37	35	35	25	25	34	30	30	30	22	22	38	38	30	23	26	....
Lewisburg	Maximum	43	48	55	50	52	58	55	63	41	55	60	54	56	58	64	63	36	50	50	49	54	55	43	35	45	50	56	44	39	42	....
	Minimum	28	36	37	31	39	46	39	36	22	19	23	26	43	42	27	29	27	10	30	32	30	23	22	17	20	33	36	28	15	21	....
Marlinton	Maximum	42	44	50	44	44	54	48	56	34	48	54	46	50	52	58	42	32	48	46	42	50	52	42	30	40	42	48	44	34	36	....
	Minimum	26	34	24	20	38	38	40	34	20	16	18	28	42	32	22	24	22	12	26	28	22	18	18	10	14	32	32	26	8	20	....
Point Pleasant	Maximum	50	55	52	55	55	52	65	65	60	55	65	55	55	68	67	60	53	60	54	47	55	53	40	40	55	53	55	50	48	46	....
	Minimum	25	32	30	30	40	45	40	35	20	24	30	40	48	40	35	35	32	22	38	30	23	32	25	19	22	32	40	25	22	21	....
Ravenswood	Maximum	52	55	59	62	59	55	52	66	42	55	62	60	57	61	69	54	42	55	53	58	55	55	39	39	54	53	55	42	40	49	....
	Minimum	24	33	30	35	43	48	38	38	20	32	30	39	48	37	35	33	34	23	29	33	27	32	27	19	27	33	23	28	20	25	....
Robertsburg§	Maximum	55	53	62	61	52	48	70	50	43	60	65	57	57	63	70	35	44	60	48	47	50	58	30	40	55	55	55	40	36	50	....
	Minimum	24	25	29	27	29	45	38	45	29	21	23	29	47	39	31	33	30	20	20	28	24	25	26	17	22	34	34	25	18	20	....
Ryan	Maximum	52	53	60	61	55	57	62	66	45	58	65	55	56	63	70	47	40	56	47	45	55	48	36	40	52	60	55	40	36	48	....
	Minimum	20	40	25	23	38	45	36	38	16	17	22	35	45	36	27	30	30	16	32	29	20	22	27	15	18	30	40	26	14	19	....
Spencer §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sutton	Maximum	54	54	57	59	59	54	57	57	49	58	58	57	53	62	71	71	45	55	55	51	57	57	42	37	49	53	53	51	40	49	....
	Minimum	23	34	30	23	31	33	35	33	20	19	28	35	34	34	26	27	29	19	29	32	24	23	25	17	18	30	29	28	11	22	....
Union	Maximum	....	50	55	56	55	58	60	....	65	53	61	61	55	58	....	64	37	50	54	52	53	....	56	31	51	49	58	50	....	41	....
	Minimum	....	26	38	30	38	46	40	....	21	18	24	35	38	39	....	29	26	15	29	31	26	....	21	16	21	31	36	28	14	....	....
White Sulphur Spgs§	Maximum	50	55	55	54	51	50	50	45	44	55	57	57	60	55	50	40	55	49	49	45	36	32	40	36	43	43	43	40	35	....	....
	Minimum	29	37	34	34	42	37	47	23	17	22	37	43	34	25	35	37	30	30	47	44	34	26	20	17	19	25	30	14	23	23	....
Williamson §	Maximum	49	48	55	58	51	55	56	51	40	51	60	59	54	59	68	37	50	55	45	43	50	45	30	38	44	56	56	39	39	48	....
	Minimum	30	31	41	41	42	49	46	47	27	27	27	32	45	41	39	35	34	28	28	37	29	29	30	20	20	32	39	32	25	26	....

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[WBO, Cleveland, 12-29-25—830]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXIII PARKERSBURG, W. VA., DECEMBER, 1925 No. 12

GENERAL SUMMARY

The average precipitation for the past month, 1.20 inches, was the least of December State record, being .30 inch below the record for the dry December in 1917. The snowfall was also exceptionally light, but was somewhat heavier than in December in 1900, 1911, and 1924. The temperature averaged about 2° below the normal, the deficiency for the month being caused by a cold wave during the last five days. Owing to light rainfall, the streams and rivers were especially low, causing a scarcity of water for stock and industrial purposes in many localities. The conditions were unfavorable for winter grains, the ground being bare in most of the agricultural districts nearly the entire month.

TEMPERATURE

The monthly mean for the State, determined from 53 stations, was 32.5°. The departure from the normal for 45 stations having ten or more years of record was —1.0°. The temperature was slightly or considerably above the normal until the 14th, except the 10th, when the average temperature was somewhat below the normal. The 20th and 21st were also moderately warm for the season. From the 14th to the 19th the daily averages were generally only slightly to moderately below the normal, but cold weather prevailed from the 26th to the end of he month, with the lowest temperatures ranging generally from ero to 5° below zero on the 27th, 29th, and 30th.

PRECIPITATION

The average precipitation for the State, determined from 86 tations, was 1.20 inches. The departure from the normal for 2 stations having ten or more years of record was —2.21 inches. he precipitation was heaviest over the mountain and southastern counties, and was lightest over the western counties. ost of the precipitation was received on the 2-3d, 5th, 14-th, 21st-22d, and 25-26th, but there were scattered light ins or snows on the 9-10th, 20th, 23-24th, and 27-28th. he greatest amounts were measured on the 5th and 22-23d. ight snow or snow flurries were noted in sections of the northn and mountain counties on the 6th, 9-10th, and 15-17th. ght to moderate snow fell in nearly all localities on the 22-d, and snow flurries were noted from the 24th to the 28th d on the 30th.

MISCELLANEOUS PHENOMENA

ogs, dense: Arbovale, 4th; Bayard, 9th and 16th; Bruceton lls, 2d; Davis, 4th: Elkins, 4th; Gary, 21st; Grafton, 22d; rton, 2d, 5th, and 16th; Marlinton, 4th; Parkersburg, 21st; Pickens, 16th; Romney, 4th; Terra Alta, 2d, 4th, and 20th.

Halos, lunar: Elkins, 23d; Parkersburg, 24th.

Halo, solar: Bayard, 23d.

Sleet: Arbovale, 20th; Davis, 10th and 16th; Elkins, 5th and 20th; Fairmont, 6th; Marlinton, 21st; Morgantown, 16th; Moundsville, 9th; Pickens, 9th; Pt. Pleasant, 22d; Stony River Dam, 9th.

Thunderstorms: Arbovale, 5th; Cairo, 21st; Horton, 5th and 15th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity: Miles per hour	Max. velocity: Direction	Max. velocity: Date
Cincinnati, Ohio	30.07	85	65	84	126.0	43	6,658	8.9	28	sw.	5
Columbus, Ohio	30.04	83	72	73	68.4	24	8,423	11.3	37	sw.	11
Elkins	30.06	80	69	74	107.7	37	5,338	7.2	32	sw.	11
Lexington, Ky	30.10	85	76	....	102.2	34	10,734	14.4	38	sw.	6
Parkersburg	30.06	75	61	68	74.1	25	5,146	6.9	36	nw.	12
Pittsburgh, Pa	30.03	76	69	70	96.1	27	10,372	13.9	43	sw.	5
Wytheville, Va	30.04	76	61	71	150.0	50	7,143	9.6	32	sw.	9

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	40.9	75	6	3.27						
1892	34.1	72	−10	2.91	......	......	......	......	......	......
1893	37.1	76	7	2.05	......	......	......	......	......	......
1894	36.3	80	−29	4.04	3.73	0.56	......	10	8	13
1895	36.9	72	− 6	2.87	6.56	1.71	......	11	7	13
1896	35.3	67	2	1.68	4.14	1.85	7.1	8	9	14
1897	37.3	72	− 4	4.00	2.88	0.57	......	12	9	10
1898	33.4	69	−12	2.66	6.79	2.05	......	6	9	16
1899	33.3	77	−17	2.81	4.23	0.71	7.0	12	8	11
1900	34.6	66	3	2.26	4.46	1.22	3.9	11	8	12
1901	32.3	75	− 9	5.84	3.45	1.32	1.0	11	7	13
1902	33.9	70	− 2	5.33	8.97	3.57	3.8	7	8	16
1903	26.5	59	−11	2.00	9.95	2.01	9.4	5	7	19
1904	32.8	71	−20	3.12	4.43	0.30	7.8	12	8	11
1905	35.6	70	3	3.11	5.91	1.63	9.8	8	7	16
1906	35.9	70	− 1	4.73	5.24	1.30	3.4	11	6	14
1907	35.5	70	− 2	3.36	11.15	1.83	6.2	5	6	20
1908	36.4	73	5	3.03	9.31	0.70	5.2	9	8	14
1909	28.8	78	−10	2.55	7.36	1.06	6.0	[illegible]	8	14
1910	28.4	72	− 8	2.72	6.00	1.16	10.9	9	8	14
1911	39.3	74	4	3.27	6.90	1.00	14.6	7	7	17
1912	35.8	76	− 6	2.88	5.58	1.25	1.6	9	5	17
1913	36.4	68	3	2.82	5.55	1.45	7.1	12	7	12
1914	30.3	70	−20	5.46	3.81	1.10	2.9	9	8	14
1915	32.8	68	0	4.35	8.04	2.58	12.5	7	4	20
1916	32.8	77	−18	3.33	7.19	1.35	7.6	5	7	19
1917	24.3	67	−37	1.51	6.38	0.85	10.6	13	7	11
1918	41.0	74	0	4.41	3.32	0.47	11.8	11	6	14
1919	30.4	72	−15	4.07	8.14	2.70	3.2	8	6	17
1920	35.6	70	0	2.55	7.35	1.17	7.8	10	6	15
1921	37.0	79	0	4.25	5.13	1.32	3.7	6	7	18
1922	36.6	75	2	4.71	7.51	1.11	7.5	7	7	17
1923	43.1	78	0	5.82	7.27	1.03	3.6	10	5	16
1924	33.1	83	− 8	2.58	10.96	1.00	2.4	11	5	15
1925	32.5	75	− 8	1.20	5.69	0.58	1.7	10	6	15
					3.42	0.38	2.7	10	6	15
Means and extremes	34.5	83	−37	3.36	11.15	0.30	6.3	9	7	15

Climatological Data for December, 1925

				Temperature, in degrees Fahr.							Precipitation, in inches				No. of days					
Stations	Counties	Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Panhandle Division																				
Bayard	Grant	2,375	24	29.2	+ 0.7	57	21	− 4	27	29	2.87	−1.03	1.18	12.0	10	11	7	13	sw.	U. G. Clark
Brandywine††	Pendleton	1,586	9	31.4	− 2.7	54	12†	0	29	30	1.10	−0.62	0.65	2.0	4	12	8	11	n.	Elmer Keister
Harpers Ferry	Jefferson	244	36	...	...	...	...	...	...	...	1.20	−1.35	0.52	0	7	...	...	...	...	J. C. Newcomer
Martinsburg	Berkeley	435	33	35.0^{a}	+ 2.3	60^{a}	8	8	27	32^{a}	2.00	−0.73	1.00	T.	6	20	5	6	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	29	36.4	+ 3.3	68	3	4	29	35	1.25	−1.01	0.85	0	3	22	0	9	...	M. S. Henkel
Piedmont	Mineral	1,053	12	32.0	− 0.8	56	8	4	27	20	1.13	−1.37	0.51	T.	5	10	6	15	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	27	32.2^{g}	− 0.2	59^{g}	9	5^{e}	27†	35^{1}	1.15	−1.33	1.05	0	2	5	9	17	...	George E. Bergdoll
Stony River Dam	Grant	3,300	5	...	...	...	...	...	...	...	1.09	...	0.54	5.0	6	1	9	21	w.	A. C. Becker
Upper Tract	Pendleton	1,230	26	30.3^{e}	− 3.2	52^{e}	4	3^{e}	27	22^{e}	0.45	−1.76	0.30	T.	2	17^{f}	0^{f}	8^{f}	...	J. M. Mallow
Wardensville	Hardy	1,200	7	31.9^{a}	...	55^{a}	2	3	30	30^{a}	1.95	...	1.25	0.5	5	14^{b}	9^{b}	6^{b}	sw.	Luther F. Sutton
Averages and	**extremes**	...	...	32.4	+ 0.4	68	3	− 4	27	35	1.45	−1.23	1.25	1.9	5	13	6	12	w.	
Northern Division																				
Aberdeen	Upshur	1,060	1	...	...	...	...	...	...	...	0.98	...	0.36	1.5	7	7	9	15	nw.	L. Else Bond
Bens Run	Pleasants	652	23	34.1	+ 0.7	68	4	1	27	37	0.73	−3.63	0.33	1.0	5	13	7	11	...	J. D. Riggs
Benson	Harrison	1,080	2	32.9	...	64	4	0	27	40	0.82	...	0.30	0.6	9	9	8	14	...	R. D Marts
Brownsville	Lewis	1,032	2	34.6	...	68	4	− 1	30	39	1.06	...	0.38	0.9	8	6	13	12	...	S. L. Montgomery
Bruceton Mills	Preston	1,549	5	...	...	...	...	...	...	...	1.81	−1.79	0.39	10.6	12	2	11	18	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	28	32.1	− 0.9	54	4†	1	30	26	1.43	−2.58	0.50	3.0	7	11	3	17	...	H. A. Darnall
Cairo	Ritchie	680	26	32.4	− 1.8	62	4	− 2	29	39	0.63	−3.13	0.26	0.5	4	11	4	16	...	O. C. Hess
Clarksburg	Harrison	1,015	3	32.0^{a}	...	67^{a}	4	0	30	41^{a}	0.65	...	0.21	1.2	7	4	10	17	nw.	Clarksburg Water Board
Cortland	Tucker	3.300	14	...	...	...	...	...	...	...	0.73	−2.78	0.30	2.0	3	5	16	10	...	G. W. Harmon
Crawford	Lewis	1,107	2	...	...	...	...	...	...	...	1.11	...	0.34	1.4	9	10	9	12	...	George W. Blair
Creston	Wirt	640	23	33.6	− 0.3	68	4	1	29	38	1.01	−2.32	0.38	0.6	8	9	0	22	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	4	...	...	...	...	...	...	...	1.12	...	0.27	1.0	10	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	9	...	...	...	...	...	...	...	1.26	...	0.55	...	5	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	9	...	...	...	...	...	...	...	1.15	...	0.53	...	8	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	4	...	...	...	...	...	...	...	0.94	...	0.31	...	9	...	...	...	...	Lockmaster
Davis	Tucker	3,093	16	...	...	...	...	...	...	...	2.86	−1.98	0.64	21.8	13	9	4	18	w.	Ross C. Male
Elizabeth [Dam 3 L.K.]	Wirt	615	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	24	31.0	− 1.7	63	4	− 2	27	33	1.56	−1.86	0.52	8.1	13	6	4	21	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	0	...	...	...	...	...	...	...	1.63	...	0.34	7.5	13	6	13	12	n.	Claude A. Cunningham
Fairmont	Marion	888	19	30.9	− 3.3	62	4	2	27	31	0.94	−2.56	0.25	0.5	9	16	0	15	w.	Creed E. Bolyard
Glenville	Gilmer	738	31	34.0	− 1.0	66	12	3	27	34	0.81	−2.88	0.38	1.2	6	14	5	12	w.	Howard R. Brannon
Grafton (near)	Taylor	1,000	32	30.6^{a}	− 3.3	65^{a}	3	− 4	29	45^{a}	0.56	−3.03	0.21	0.8	5	7	11	13	w.	Curtis Boice
Horner	Lewis	1,044	2	...	...	...	...	...	...	...	1.21	...	0.35	1.8	8	16	4	11	...	Thomas E. Miles
Horton	Randolph	2,840	0	...	...	...	...	...	...	...	1.60	...	0.49	9.2	8	7	6	15	sw.	J. W. White
Janelew (near)	Lewis	1,020	2	33.3	...	69	4	− 1	30	40	1.20	...	0.39	0.5	4	18	4	9	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	27	31.3	− 2.5	66	4	− 2	30	44	0.88	−2.61	0.30	T.	4	11	6	14	w.	Allen Smith
Mannington	Marion	985	22	31.9	− 0.6	60	4†	− 3	30	36	1.15	−2.37	0.51	2.2	11	5	9	17	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	32	32.6	− 0.9	62	4	0	27	31	1.52	−1.60	0.40	7.5	6	1^{b}	12^{b}	16^{b}	w.	Prof. E. L. Andrews
Moundsville	Marshall	689	22	31.0^{a}	− 2.1	62^{a}	3	1	26†	37^{a}	1.04	−2.25	0.50	2.0	6	10	2	19	sw.	Fred N. Wilson
New Cumberland	Hancock	671	27	29.3	− 1.5	59	12	− 2	30	36	0.74	−1.89	0.55	1.0	6	6	2	23	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	31	32.0	− 2.8	66	4	− 2	27	42	0.70	−2.86	0.40	T.	2	10	3	18	n.	Wm. Ankrom
Parkersburg	Wood	638	38	33.4	− 1.8	64	4	2	27	32	0.57	−2.20	0.23	0.6	5	4	6	21	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	25	30.6	− 0.6	60	4	− 5	30	35	0.64	−3.15	...	3.0	...	12	4	15	...	J. W. Swisher
Philippi	Barbour	1,550	28	31.7	− 1.6	65	4	− 2	27	32	0.85	−2.98	0.30	2.5	7	5	8	18	w.	Prof. W. B. Pimm
Pickens	Randolph	2,697	22	27.6^{a}	− 4.5	62^{a}	4	− 8^{a}	29	31^{a}	2.77	−2.43	0.62	17.0	10	14	2	15	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	2	...	...	...	...	...	...	...	1.20	...	0.40	2.0	7	7	8	16	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	38	...	...	...	...	...	...	...	1.45	−2.42	0.41	...	8	...	...	...	...	J. F. Pierce
Saint Marys	Pleasants	577	16	...	...	...	...	...	...	...	0.92	−2.58	0.40	...	5	...	...	...	w.	Wm. Hughes
Smithfield	Wetzel	850	19	36.9	+ 5.4	75	5	− 1	30	49	1.02	−3.06	0.50	1.8	7	10	7	14	...	G. M. Whisler
Terra Alta	Preston	2,559	24	25.3	− 4.7	48	4	− 7	27	25	1.52	−3.64	0.43	16.2	18	5	7	19	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	2	34.0	...	67	4	1	28	35	1.20	...	0.55	...	6	15	0	16	w.	J. C. Campbell
Vandalia	Lewis	1,120	2	...	...	...	...	...	...	...	1.07	...	0.57	3.0	2	...	...	...	...	Miss Phyllis West
Wellsburg	Brooke	668	24	30.9	− 0.1	58	5	− 4	30	35	0.58	+2.49	0.38	T.	3	9	6	16	w.	George P. Pfister
West Milford	Harrison	979	0	...	...	...	...	...	...	...	0.92	...	0.35	...	5	...	...	...	...	Miss Dicie E. Wagner
Wheeling	Ohio	645	38	30.0^{a}	− 1.9	59^{a}	4	− 2	27	37^{a}	0.98	−1.99	0.50	1.2	5	10	6	15	sw.	Miss M. B. Forsyth
Wymer	Randolph	...	...	...	...	...	...	...	...	...	1.27	...	0.27	7.5	14	9	5	17	e.	T. R. Ratzer
Averages and	**extremes**	...	...	31.9	− 1.4	75	5	− 8	29	49	1.13	−2.54	0.64	3.8	7	9	6	16	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	...	...	...	...	...	...	...	...	1.40	...	0.32	2.0	10	12	4	15	w.	H. S. Sutton
Bancroft	Putnam	574	21	32.9	− 2.0	68	4	0	28	37	0.92	−2.43	0.44	1.8	8	13	0	18	ne.	R. E. Dent
Beckley	Raleigh	2,440	25	30.4	− 3.0	57	5	− 6	28	29	1.42	−1.68	0.86	2.2	5	1	14	16	w.	K. E. Williams
Bluefield^{d}	Mercer	2,563	30	39.9	+ 4.7	67	4	1	28	25	1.59	−1.32	0.39	0	13	12	8	7	...	Norfolk & Western R
Camden-on-Gauley	Webster	2,029	10	...	...	...	...	...	...	...	2.24	...	1.00	T.	3	8	0	23	n.	Miss Katie Jarvis
Charleston	Kanawha	600	22	34.4^{a}	− 5.3	70^{a}	3	2	27†	34^{a}	0.78	−2.75	0.16	0	8	8	0	23	...	R. O. Fields
Clay	Clay	706	9	...	...	...	...	...	...	...	1.71	...	0.50	0.9	9	...	...	...	...	Ted Thomas
Dam 6 G. K.	Kanawha	598	...	...	...	...	...	...	...	...	0.66	...	0.28	...	6	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	9	...	...	...	...	...	...	...	0.67	...	0.22	...	6	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	9	...	...	...	...	...	...	...	0.90	...	0.42	...	4	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	9	...	...	...	...	...	...	...	0.61	...	0.35	...	5	...	...	...	...	U. S. Engineer Office
Gary	McDowell	1,426	9	33.9	...	70	4	− 2	29	35	1.56	...	0.42	T.	9	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	28	35.2	+ 0.3	62	4	0	28	24	1.32	−1.48	0.50	...	6	8	5	18	...	Mrs J. R. Baber
Huntington	Cabell	538	31	34.3	− 0.1	61	4	4	24†	26	1.04	−2.60	0.60	T.	5	9	2	20	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	6	...	...	...	...	...	...	...	0.99	...	0.37	...	5	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	9	...	...	...	...	...	...	...	1.53	...	0.44	5.2	11	...	...	...	...	Cabin Creek Con. Co
Lewisburg	Greenbrier	2,250	25	33.0	+ 0.8	57	5†	− 5	28	30	1.10	−1.74	0.28	T.	7	13	6	12	nw.	Geo. T. Argabrite
Logan	Logan	700	22	...	...	...	...	...	...	...	0.55	−4.03	0.25	...	5	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	26	27.4	− 1.7	52	5	− 8	28	28	1.93	−1.73	0.59	T.	8	7	15	9	sw.	S. L. Brown
Organ Cave	Greenbrier	...	3	...	...	...	...	...	...	...	1.12	...	0.30	1.5	7	12	0	19	w.	D. C Humphreys
Point Pleasant	Mason	595	32	33.8	− 1.4	65	4	0	27†	38	0.86	−2.57	0.40	T.	4	18	1	12	sw.	Miss Grace E. Henson
Powellton	Fayette	933	28	34.2^{b}	− 2.3	63^{c}	6	0^{a}	27†	37^{b}	1.62	−1.44	0.50	...	6	...	...	...	...	Elkhorn-Piney Coal C
Ravenswood (Dam 22)	Jackson	584	10	33.9	...	67	4	2	27†	35	0.84	...	0.32	T.	3	10	0	21	nw.	Lockmaster
Robertsburg	Putnam	570	25	31.2	− 2.8	70	4	0	27†	37	1.06	−2.40	0.41	...	8	8	0	23	...	M. Frazier
Ryan	Roane	700	22	31.8	− 2.1	68	4	− 3	29	38	0.98	−2.47	0.30	1.1	8	14	2	15	...	Wm. E. Ryan
Sharples	Logan	...	5	...	...	...	...	...	...	...	1.36	...	0.60	...	...	...	...	...	...	F. H. Locke
Spencer	Roane	789	21	35.9^{a}	+ 1.4	67^{a}	6	− 1	28	41^{a}	0.38	−2.99	0.25	T.	3	0	18	13	...	A. M. McKown
Sutton	Braxton	850	19	33.1	− 0.5	67	4†	− 1	27†	38	1.45	−2.49	0.43	4.0	7	16	0	15	...	C. B. Eakle
Union^{d}	Monroe	2,250	21	33.0	− 1.1	59	5	− 6	28	30	1.34	−1.18	0.35	0.4	9	8	7	12	...	W. M. H. Young
Wayne	Wayne	598	...	...	...	...	...	...	...	...	0.99	...	0.38	...	6	...	...	...	...	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	15	31.8^{a}	− 1.6	64^{a}	7	− 2	27	40^{a}	3.42	+0.26	1.50	...	10	15	6	10	...	H. E. Green
Williamson	Mingo	660	25	37.3^{f}	+ 0.4	62^{f}	4	...	...	26^{f}	0.98	−2.86	0.30	1.0	6	12^{e}	4^{e}	10^{e}	w.	J. F. Keyser
Averages and	**extremes**	...	...	33.5	− 1.0	70	3†	− 8	28	41	1.23	−2.11	1.50	1.0	7	10	5	16	w.	
State averages and	**extremes**	...	...	32.5	− 1.0	75	5	− 8	28†	49	1.20	−2.21	1.50	2.7	7	10	6	15	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are us determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for December, 1925

Stations	Drainage-basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac		.04	.37		.31					.24						.04	.02				.04		.51		1.18	T.	.12					2.87
Brandywine	do		.65			.20	.05									T.					T.	.20	T.			T.							1.10
Burlington	do																																
Harpers Ferry‖	do			.52	.29	.05	.09														.03	.09	.13										1.20
Inwood	do																																
Martinsburg‖	do			1.00	.08	.02	.55				T.						T.					.08	.27	T.			T.	T.					2.00
Moorefield	do			.85		.22													.18														1.25
Piedmont	do		.04	.48		.51							.08									T.	.02		T.			T.					1.13
Romney‖	do		1.05	.10														T.															1.15
Stony River Dam‖	do					.15				T.													.54	.08		.08	.16	.08					1.09
Upper Tract	do		.30	.15																	T.					T.							0.45
Wardensville‖	do		.10	1.25	.20	.30																	.10	T.	T.								1.95
Northern Division																																	
Aberdeen	Monongahela			.22	T.	.12											T.	T.			T.	.01	.36	.05		.19	T.	.08	T.	T.			0.98
Bens Run	Ohio					.22															T.	.33	.05			.05		.08					0.73
Benson	Monongahela			.02		.30															.01	.01	.25	.05		.14		.03	.01				0.82
Brownsville	do		T.	.08		.38										T.	T.	T.			T.	.01	.36	.01		.15	.02	.05					1.06
Bruceton Mills	do		T.		.11	.25	T.	T.		.04	.29		.12				T.	.07			T.	T.	.39	T.	T.	.24	.12	.08	.08	.02	T.	T.	1.81
Buckhannon	do		.12	.24		.20												T.				T.	.50	.08	T.	.25	T.		.04				1.43
Cairo	Little Kanawha		T.			.20	T.											T.				.26	.08	T.		.09	T.	T.	T.				0.63
Cheat Bridge‖	Monongahela																																
Clarksburg‖	do			.08		.04	.18										T.				T.	T.	.21	.03	T.	T.	.08	.03					0.65
Cortland‖	do																.25					.30		.18									0.73
Crawford	Little Kanawha			.04	.18	.25										.02						.05	.29			.26	.01	.01					1.11
Creston‖	Monongahela			.38		.05	.10										T.				.11	T.	.22	.03	T.	.10	.02	T.					1.01
Dam 10, Mon. R.‖	Ohio			.26			.26				.08						.02					.01	.27	.02	.01		.15	.04					1.12
Dam 12, O. R.‖	do			.12			.55				.10												.35				.14						1.26
Dam 13, O. R‖	Monongahela			.09			.53				.08												.34	.02	.03		.04		.02				1.15
Dam 15, Mon. R.‖	do			.24	.02	.04	.27															.06	.18	.03			.08	.02					0.94
Davis‖	do			.18		.03	.28		.64			.06					.13			T.	T.	.03	.40	.47	.08	T.	.32	.16	.08				2.86
Elizabeth (near)‖	Little Kanawha																																
Elkins ***	Monongahela	T.	.11	.06		.28				.02	T.	T.				.02	.02	T.			T.	.35	.36	.02	.02	.19	.10	.01	T.		T.		1.56
Evenwood	do		.04	.05		.34				.01							.04	.03			T.	.14	.29	.11		.30	.14	.08	.06				1.63
Fairmont‖	do			.25	T.	.10	.22	T.			.02							T.	T.			.06	.20	.03	T.		.02	.04	T.	T.	T.		0.94
Glenville‖	Little Kanawha			.06		T.	.38														T.	.03	.18	.04		T.	.12						0.81
Grafton (near)‖	Monongahela		.21																		T.	.04	.16	.09					.06				0.56
Horner	do			.18		.25																.05	.35	.08		.20	.04	.06					1.21
Horton	Monongahela		T.	.49		.18										T.					.06	.10	.30			.13	.26	.08					1.60
Janelew (near)	do			.30		.30																	.39			.21							1.20
Lost Creek	do			.05		.30	T.						T.				T.	T.			T.	T.	.26	T.	T.	.27	T.	T.	T.				0.88
Mannington	do			.15		.51				T.	.02							T.			.01	.04	.19	T.	.01	.13	.03	.04	.02				1.15
Morgantown	do				.30	.27				T.	T.						T.	T.				.22	.13	T.		.20	.40		T.				1.52
Moundsville‖	Ohio		.12			.50				.03		.02						T.	T.			.21	T.	T.	T.	T.	T.	.16	T.				1.04
New Cumberland‖	do			.04			.55			.01	T.		.02						T.				.04		T.	T.	.08						0.74
New Martinsville	do					.40																	.30			T.	T.		T.				0.70
Parkersburg ***	do		T.		T.	.23						T.					T.	T.			T.	.21	.03		T.	.09	.01	T.	T.				0.57
arsons	Monongahela		.10	T.		*				*						*	.30	T.				*	.08			.16							0.64
hilippi	do		.10	.20		.30	.04				T.					T.		T.					.05	.08	T.	.08	T.	T.	T.				0.85
ickens	do		.23	.35		.21				T.	T.					T.	T.	.08			T.	.62	.24	.32		.32	.16	.24					2.77
oanoke	do			.09	.07	.34											T.	T.			T.	T.	.40	.02		.12	.16	T.	T.				1.20
owlesburg‖	do			.06			.30				.16						.12						.41	.06			.32			.02			1.45
aint Marys‖	Ohio			T.		.11	.21										T.				T.	T.	.40	.10		.10							0.92
mithfield‖	Fishing Creek			.09		.50												T.					.28	T.		.01	.02	.04	.08				1.02
erra Alta	Monongahela			.06	.04	.33	.10			.01	.08		.07				.04	.08			.01	.11	.43	.02	T.	.08	.02	.01	.02			.01	1.52
alley Chapel	do			.05	.05	.55																	.30	.05		.20							1.20
andalia	do																					.50				.57							1.07
ellsburg	Ohio			.09		.38				T.	T.											.11	T.		T.			T.					0.58
est Milford	Monongahela		.10			.35											T.	T.			.02		.32			.13							0.92
heeling‖	Ohio			.10	T.		.50				.10		T.				T.		T.			T.	.23	T.	T.		.05	T.	T.	T.		T.	0.98
ymer	Monongahela		.10	.22		.27	.01			.05	.05					.02	.01	.01				.01	.02	.16		.26						.08	1.27
Southern Division																																	
rbovale	Great Kanawha		.16	.11		.32							.01			.03	T.	T.			.09	.28	.24	.08		T.	.08	T.					1.40
ancroft‖	do			.05		.44	.05														.14		.05	.08	.06	.05		T.	T.				0.92
eckley	do		.38																			.86	.08			.08	.02	T.					1.42
luefield	do		.17	.10		.20					.02					.30	.17		.02			.15	.39	.03	.01				.02		.01		1.59
amden-on-Gauley‖	do					.80										.44						1.00		T.	T.	T.					T.	T.	2.24
arleston‖	do			.06		.06	.16										.06				.04		.14	.10			.16						0.78
ay‖	do			.09		.35	.50										.08				.01	.02	.31	.14	T.		.21						1.71
am 6 G. K.‖	do						.28									.05					.07		.18	.01			.07						0.66
am 19 O. R.‖	Ohio			T.		.22	.17						T.					T.				.02	.15	.02	T.	T.	.09	T.		T.			0.67
am 20 O. R.‖	do					.33																	.42	.03			.12						0.90
am 26 O. R.‖	do					.35	.10																	.03		.01	.12						0.61
ry‖	Big Sandy			.34	.05	.07				.02					.03		.42				.24		.30	T.	.09		T.	T.					1.56
een Sulphur Spgs.	do																																
nton‖	do			.23		.08	.12										.27				.12		.50										1.32
ntington‖	Ohio					.58	.02										.02				T.		.30	.12		T.							1.04
nawha Falls‖	Great Kanawha			.13		.15									.14								.37	.20									0.99
yford‖	do			.18	T.		.16										.09				.05	T.	.44	.34	.01	.01	.20	.03	.02			T.	1.53
wisburg	do		.06	.09		.02										.17					.22	.28	.26				T.				T.		1.10
gan‖	Guyandotte			.08	.02												.10				.10		.25										0.55
rlinton	Great Kanawha		.28	.32		.38										.14	.08	T.			.14	.28	.31	T.		T.	T.	T.					1.93
gan Cave	do		.08	.10			.07									.25							.20	.30	.12								1.12
nt Pleasant‖	Ohio					.40	T.																.10	.07			.29						0.86
vellton	Great Kanawha		.10	.20													.50					.37	.30			.15							1.62
venswood (Dam 22	Ohio					.30																.22	.32	T.		T.	T.	T.					0.84
bertsburg‖	Great Kanawha			.03		.41	.03														.06		.32	.02		.04	.15						1.06
in	do		.05			.27										.03					.12		.30			.16	.03	.02					0.98
rples‖	Coal River			.13													.48	*			.15				T.		.60				T.		1.36
onville‖	Great Kanawha																																
ncer‖	do			T.													T.				.25	T.	.07	T.	T.	.06							0.38
mersville	Gauley																																
on	Great Kanawha		T.	.11		.35										T.	T.	T.			T.	.43	.08	.08	T.	.32	.08	T.	T.				1.45
ou	do		.10	.15		.06										.27	.10					.28	.35	.02							.01		1.34
nell‖	Big Sandy					.38											.05				.11		.14	.21			.10						0.99
te Sulpr. Spgs.‖	Great Kanawha	.07	.30		.07				.50							.38				.12	.02	.43	1.50	T.		.03							3.42
iamson‖	Big Sandy			T.		.10	T.										.20				.10		.30	.20			.08						0.98

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T Trace, or less than 0.01 inch. ††† Probably incomplete.

Daily Temperatures for December, 1925

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	50	47	47	54	49	38	41	48	47	32	53	52	47	37	35	39	35	27	44	42	57	46	27	27	34	26	6	7	16	32	35	38.0
	Minimum	26	22	35	34	36	28	23	34	29	18	24	31	33	26	14	24	20	17	22	30	33	27	14	12	10	4	-4	-3	3	7	7	20.5
Brandywine	Maximum	45	45	42	45	47	47	45	52	52	40	50	54	54	50	44	40	38	35	45	45	45	45	45	32	35	35	13	18	20	30	30	40.7
	Minimum	18	24	38	38	42	24	23	28	26	27	21	32	30	30	31	20	19	18	15	30	28	28	18	17	26	13	3	5	0	6	10	22 2
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Martinsburg§	Maximum	49	45	45	50	54	52	57	60	45	39	50	58	53	42	37	37	37	42	52	40	45	44	36	39	48	25	15	26	30	32	....	42.8
	Minimum	29	35	38	41	41	34	29	35	40	25	22	26	41	31	24	26	33	27	23	23	34	34	24	24	29	19	8	10	12	9	15	27.2
Moorfield	Maximum	53	45	68	50	56	55	55	60	59	44	48	61	61	59	52	37	37	45	50	47	50	49	42	41	47	38	26	28	37	38	38	47.6
	Minimum	25	26	36	42	41	28	28	35	38	29	20	31	45	28	20	30	29	21	15	30	27	36	24	20	27	14	6	8	4	5	12	25.2
Piedmont	Maximum	45	42	47	48	49	47	47	56	50	40	36	53	53	40	31	34	31	33	41	39	49	44	33	35	40	29	11	13	22	28	26	38.5
	Minimum	28	28	27	42	42	31	27	35	35	22	26	36	38	30	21	28	26	24	29	30	34	31	21	19	25	11	4	5	10	10	17	25.6
Romney	Maximum	52	41	45	50	51	....	52	....	59	....	55	56	48	41	35	....	32	38	49	40	44	40	....	....	44	20	13	23	29	34	....	41.3
	Minimum	28	26	32	38	41	31	....	29	....	24	....	21	39	33	19	28	....	24	17	22	28	28	21	....	....	14	5	5	9	7	9	23.1
Upper Tract	Maximum	....	....	50	52	48	44	48	48	49	49	47	....	46	45	45	35	36	....	42	42	42	39	37	....	20	15	15	27	27	30	33	38.9
	Minimum	....	....	28	30	28	28	29	28	29	28	28	....	29	30	25	20	20	....	21	20	21	29	21	....	13	12	3	6	7	11	19	21.7
Wardensville§	Maximum	50	55	52	51	52	50	45	50	47	52	49	48	50	46	36	34	36	47	41	38	45	35	36	38	25	16	14	20	31	32	....	40.7
	Minimum	23	25	29	32	36	33	31	28	24	26	22	34	33	30	17	22	23	25	14	30	32	29	20	19	21	12	4	10	10	3	18	23.1
Northern Division																																	
Bens Run	Maximum	50	51	49	68	62	44	48	52	44	41	59	55	53	48	36	37	34	32	55	46	48	48	46	35	40	27	16	13	23	30	33	42.7
	Minimum	37	32	42	43	39	34	31	29	37	26	23	37	30	25	23	30	28	20	18	31	39	24	18	22	26	15	1	4	8	7	9	25.5
Buckhannon	Maximum	50	47	45	54	52	43	46	44	44	38	39	51	51	41	38	43	31	31	41	48	54	48	29	31	38	26	12	13	20	27	27	38.8
	Minimum	32	29	40	40	40	32	27	27	35	29	27	36	38	38	23	30	23	23	17	37	41	28	19	23	25	10	2	2	9	1	5	25.4
Cairo	Maximum	47	52	49	62	60	41	55	50	42	41	57	54	53	39	35	36	31	31	44	45	49	46	27	44	49	29	12	13	21	28	31	41.1
	Minimum	28	27	43	39	40	33	24	32	36	26	18	38	35	25	21	30	27	21	12	32	35	25	17	25	28	11	1	3	-2	0	2	23.6
Clarksburg	Maximum	54	51	47	67	50	44	48	55	40	39	60	54	44	39	35	32	32	34	45	48	55	35	33	37	38	16	10	16	24	28	....	40.3
	Minimum	26	32	32	41	44	35	29	26	37	27	19	26	39	26	24	25	28	23	14	15	35	35	21	20	28	13	3	2	4	0	5	23.7
Creston	Maximum	48	51	48	68	61	43	50	56	47	42	58	55	55	46	45	37	33	35	45	46	55	49	30	35	41	27	16	14	25	31	34	42.8
	Minimum	31	26	40	42	40	34	21	25	37	27	20	38	37	31	25	31	27	22	14	32	37	29	19	22	23	12	2	2	1	3	4	24.3
Elkins	Maximum	52	48	44	63	58	42	46	53	37	34	55	52	51	41	49	49	26	32	41	47	52	41	28	34	38	19	5	8	21	26	27	39.3
	Minimum	30	28	38	39	35	32	33	33	32	24	22	34	34	22	20	26	22	21	16	32	41	19	16	24	18	5	-2	-1	3	-2	14	22.8
Fairmont§	Maximum	53	49	46	62	55	44	49	51	36	39	54	51	41	41	35	32	28	34	35	46	53	34	30	36	35	12	8	12	21	25	29	37.9
	Minimum	23	30	33	39	42	32	33	28	35	24	23	25	35	28	23	24	26	23	22	24	31	34	21	20	30	12	2	3	3	5	8	23.9
Glenville	Maximum	43	50	55	60	56	46	45	50	53	43	55	66	54	51	41	36	33	38	39	47	51	58	30	36	40	36	18	15	22	29	33	42.9
	Minimum	32	28	40	42	38	34	27	25	38	29	21	38	38	29	23	32	28	23	15	31	38	30	20	20	28	13	3	4	6	4	5	25.2
Grafton (near)	Maximum	50	47	65	62	47	51	55	38	60	61	52	48	42	37	31	37	36	50	51	55	34	32	38	30	25	10	12	21	30	32	....	41.3
	Minimum	23	30	30	34	19	23	21	34	23	16	35	36	23	16	14	25	21	12	29	36	32	20	18	21	11	9	2	4	-4	3	9	19.9
Lost Creek	Maximum	54	50	46	66	61	44	49	55	50	38	59	51	52	44	35	35	30	34	44	47	54	44	29	31	37	27	11	8	21	27	30	40.7
	Minimum	27	30	39	40	35	32	26	20	34	24	15	35	35	21	19	28	24	20	12	28	32	28	18	18	24	10	-1	0	6	-2	2	21.9
Mannington	Maximum	49	51	48	60	60	42	46	52	47	38	55	53	52	36	35	35	32	31	44	46	53	47	29	34	37	27	13	12	20	26	29	40.0
	Minimum	29	31	40	43	37	34	26	24	36	23	19	37	34	25	20	30	26	23	16	31	37	29	21	21	27	12	2	4	3	-3	2	23.8
Morgantown	Maximum	47	52	46	62	57	57	46	51	46	36	55	59	52	37	34	33	32	31	45	45	55	49	29	32	38	28	15	10	20	26	27	40.4
	Minimum	38	28	38	41	36	33	35	33	34	20	21	36	34	26	21	28	24	22	25	25	43	25	19	18	23	10	0	2	3	8	14	24.7
New Cumberland§	Maximum	42	49	50	56	51	40	44	47	36	32	52	59	38	33	35	32	28	30	44	45	49	31	32	37	35	16	11	14	20	24	31	36.9
	Minimum	22	28	32	40	44	30	29	34	34	16	16	23	26	26	21	22	26	17	18	23	28	30	20	21	30	10	2	2	6	-2	-1	21.7
New Martinsville	Maximum	51	53	58	66	63	45	52	54	46	42	60	56	54	38	37	38	36	36	48	45	48	48	30	35	42	31	20	16	24	30	35	43 1
	Minimum	20	20	24	42	34	31	28	25	34	19	18	35	23	24	20	28	24	18	16	27	33	25	19	20	22	9	-2	2	7	1	5	21.
Parkersburg	Maximum	48	50	49	64	62	42	49	54	42	40	58	53	53	37	36	34	32	34	46	46	49	41	30	35	41	18	11	15	24	30	35	40.
	Minimum	35	34	42	42	38	35	32	31	36	27	26	39	34	28	27	31	27	22	22	33	40	23	18	30	18	11	2	3	7	9	10	26.
Parsons	Maximum	52	49	44	60	56	40	45	43	43	35	54	52	52	45	37	44	30	31	44	46	53	47	26	34	37	22	22	9	22	25	25	39.
	Minimum	32	34	39	40	32	27	27	33	33	24	19	34	32	25	19	25	25	22	16	26	25	26	15	14	22	15	0	-1	0	-5	2	21.
Philippi	Maximum	58	53	51	65	60	43	46	55	49	34	55	56	47	39	29	30	28	31	42	46	60	52	26	32	34	25	10	7	20	27	27	39.
	Minimum	28	28	38	40	35	32	32	38	32	23	23	36	34	26	27	26	23	20	21	33	30	25	16	17	24	7	-2	0	5	3	10	23.
Pickens	Maximum	39	47	52	62	56	38	42	50	39	34	51	45	47	43	44	43	25	31	....	47	48	45	25	29	35	19	7	10	11	25	24	37.
	Minimum	28	23	33	31	31	24	26	25	26	21	21	28	30	19	18	22	17	15	....	31	33	20	10	15	12	2	-4	-7	-8	-4	3	18.
Terra Alta	Maximum	46	38	39	48	41	35	38	44	44	29	44	44	41	32	35	32	22	25	38	40	45	42	22	24	28	20	-2	1	10	17	17	31.
	Minimum	26	25	35	34	33	28	29	31	27	14	20	29	29	21	14	22	17	14	20	24	34	22	11	12	20	-5	-7	-5	1	5	8	19.
Wellsburg	Maximum	43	50	50	56	58	45	44	48	43	33	51	56	51	36	34	33	31	30	43	45	50	46	32	35	37	28	16	12	19	23	30	39.
	Minimum	35	27	39	43	35	34	21	33	33	16	16	36	27	25	19	29	24	18	18	25	35	27	21	21	25	9	0	4	8	-4	7	22.
Weston	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Wheeling§	Maximum	50	50	51	59	41	42	48	49	37	38	54	52	45	35	30	33	31	35	41	46	49	35	30	38	40	20	20	14	24	30	....	39.
	Minimum	24	30	31	38	40	32	30	29	30	16	17	20	28	25	22	23	22	16	17	22	30	30	20	20	29	8	-2	-2	2	0	2	20
Southern Division																																	
Bluefield	Maximum	48	47	52	67	65	50	58	55	52	48	51	55	....	57	50	51	35	39	42	....	50	51	38	39	....	42	....	25	29	28	30	46.
	Minimum	32	37	37	42	40	40	45	46	40	41	44	47	....	43	38	34	25	26	32	....	42	34	23	28	....	20	....	1	12	24	25	33.
Charleston	Maximum	40	48	70	54	48	55	61	46	52	57	58	50	54	40	41	36	40	44	48	54	54	36	44	41	20	11	15	28	32	36	....	44.
	Minimum	28	30	36	36	34	28	30	35	35	28	32	38	33	28	25	30	22	20	20	36	40	19	19	30	19	4	2	2	4	11	11	24
Gary §	Maximum	55	44	44	70	57	47	53	59	50	50	53	58	57	55	50	37	35	40	43	50	48	41	30	42	40	25	10	18	31	29	33	43.
	Minimum	26	29	33	35	35	27	24	26	28	36	30	30	30	36	33	36	29	22	18	20	31	35	17	17	29	20	4	-1	-2	1	12	24.
Hinton §	Maximum	47	54	50	62	50	42	41	52	46	44	50	56	52	44	44	40	35	38	42	46	48	40	40	48	40	18	15	20	28	30	26	41.
	Minimum	26	35	42	38	50	26	26	32	36	36	32	38	48	40	36	35	28	22	15	35	34	40	18	32	40	18	3	0	4	14	15	28
Huntington §	Maximum	46	40	46	61	55	46	50	54	50	46	56	54	47	45	42	37	35	34	42	45	49	45	40	42	40	38	13	18	26	31	34	42
	Minimum	30	33	34	36	36	33	34	31	39	34	30	32	38	36	30	30	30	24	20	20	35	34	17	17	33	17	4	4	5	9	13	26
Lewisburg	Maximum	46	47	50	53	57	49	47	57	55	46	49	54	52	50	45	45	36	38	40	42	40	39	38	35	39	34	21	17	27	27	29	42
	Minimum	20	27	38	38	45	23	27	27	32	31	23	37	43	34	26	29	25	20	15	31	28	32	15	15	28	14	-2	-5	5	10	14	24
Marlinton	Maximum	44	42	44	48	52	40	42	50	42	36	40	48	46	44	32	38	25	32	34	38	36	36	26	32	34	24	10	12	22	24	28	35
	Minimum	18	24	34	36	38	20	16	22	32	26	26	34	30	26	20	23	20	12	10	24	18	20	14	16	24	10	-6	-8	-4	0	12	19
Point Pleasant	Maximum	48	42	47	65	62	47	53	55	41	43	60	55	58	45	38	35	35	35	40	45	45	46	42	38	44	38	28	22	26	30	38	43
	Minimum	20	30	35	35	40	30	30	25	36	26	22	37	36	31	25	29	26	19	12	30	37	26	15	24	29	10	0	2	0	12	15	24
Ravenswood	Maximum	47	46	57	67	64	47	51	55	41	45	58	56	54	41	35	35	34	35	45	44	50	47	30	37	41	30	17	16	25	31	35	42
	Minimum	36	31	37	41	40	34	31	27	38	25	23	37	37	31	26	31	28	21	17	32	40	29	7	23	29	12	2	3	2	5	6	25
Robertsburg§	Maximum	46	41	45	70	47	45	52	57	45	45	59	55	46	40	35	34	35	35	45	45	52	33	31	41	37	14	12	17	26	31	36	4
	Minimum	22	29	32	33	32	31	26	25	31	31	22	29	36	30	27	28	21	20	15	17	35	33	16	15	29	14	0	0	0	0	4	2
Ryan	Maximum	50	45	45	68	62	43	52	58	45	40	57	55	54	50	38	33	32	35	41	45	55	46	28	35	38	28	14	15	24	29	35	41
	Minimum	27	22	34	33	38	30	23	22	35	27	19	34	37	28	24	29	26	18	11	30	33	28	16	16	28	12	0	-2	-3	2	1	21
Spencer §	Maximum	57	49	56	60	64	67	66	65	42	52	60	55	50	45	35	35	32	37	43	45	54	38	35	40	10	15	41	26	27	32	....	4
	Minimum	40	41	35	38	38	40	41	40	37	29	22	37	37	31	26	26	27	22	16	37	37	34	18	16	29	1	0	-1	4	4	15	2
Sutton	Maximum	49	48	48	67	67	48	50	55	55	42	57	57	55	48	47	44	43	42	44	50	50	50	38	35	35	32	12	13	26	29	33	4
	Minimum	28	26	36	34	33	31	23	23	30	28	19	30	33	28	24	29	26	21	12	30	35	30	16	17	26	10	-1	0	2	-1	3	2
Union	Maximum	46	48	46	53	59	....	50	55	56	46	51	53	....	55	51	44	35	37	39	....	46	45	39	36	36	40	....	23	26	28	30	4
	Minimum	20	25	36	35	44	....	24	25	31	31	21	38	....	35	26	29	24	18	14	....	26	33	15	15	15	15	....	-6	1	7	10	2
White Sulphur Spgs§	Maximum	45	56	57	60	55	55	64	58	57	53	63	50	40	34	32	27	34	37	34	39	39	32	30	39	20	8	16	19	25	34	....	4
	Minimum	24	39	40	40	36	24	24	38	36	23	30	33	35	31	32	27	21	14	23	22	29	18	18	18	17	1	-2	1	8	9	15	2
Williamson§	Maximum	48	38	44	62	48	43	50	45	45	58	54	54	44	48	42	35	32	35	37	45	48	40	33	40	38	....	....	....	....	....	....	4
	Minimum	30	30	30	36	40	32	30	31	32	37	33	35	35	35	34	34	30	23	21	22	35	37	18	18	33	20	....	....	....	....	....	3

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[WBO, Cleveland, 1-30-26—830]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIII PARKERSBURG, W. VA., YEAR, 1925 No. 13

GENERAL SUMMARY

Compared with previous State averages, the year 1925 was slightly warm and somewhat dry, with the snowfall below the normal.

A cold wave occurred late in January, but the temperature for the other winter months was above the normal, except December, February being exceptionally warm for the season. The early spring months and June and September were also warmer than usual, the temperature in September being exceptionally high. May, July, August, October, November, and December were cool months.

The precipitation was generally light during the winter months, especially December, while the rainfall during the period of growth was ample until August, when a drought, vhich continued through September, set in. October was xceptionally wet.

May was cold and decidedly unfavorable for germination and growth, during June and July the conditions were favorable for ll crops, a drought set in during August, and high temperature nd lack of moisture in September caused a shortage of the corn rop and dried up fields and pastures.

The season of growth extended generally from late in May ntil October 10, being considerably shorter than usual.

The average cloudiness was near the normal. The sunshine t Parkersburg averaged 46 per cent of the possible amount, or ormal. The average at Elkins was 51 per cent, or 6 per cent bove the normal.

The wind movement at Parkersburg was 45,868 miles and at lkins 45,971 miles.

THE WEATHER BY MONTHS

JANUARY.—The temperature was near or considerably above the normal until into last decade. Exceptionally cold weather prevailed on the 27-28th, when the tem- ature was generally the lowest of State record since 1918. The precipitation was htly below the normal and was mostly snow. During the cold period there was a d snow-cover.

FEBRUARY.—The average temperature for February was the highest of February te record, except in 1909. The temperature fell to zero at only one station. The cipitation was light, except in a few sections of the southern counties. The average wfall, 2.0 inches, was the least of February State record. The conditions were orable for stock and winter grains.

MARCH.—March was exceptionally pleasant and the temperature was nearly con- ously above the normal after the 4th until the 28th. Low temperature on the 3d sed considerable damage to fruit trees. The precipitation was considerably deficient. he agricultural districts the ground was bare nearly the entire month, making the ditions somewhat unfavorable for winter grains.

Continued on page 51

TEMPERATURE AND PRECIPITATION DATA FOR 1925

onth	Temperature in degrees Fahrenheit: Mean	Departure	Highest	Lowest	Precipitation in inches: Average	Departure	Greatest local amount	Number of rainy days	Sky: Clear	Pt. Cloudy	Cloudy	Prevailing direction of the wind
ary...	31.1	−1.2	63	−27	3.81	−0.27	7.07	13	11	4	16	W.
uary..	39.8	+7.8	80	−5	2.49	−0.66	4.32	8	10	6	12	W.
h.....	43.6	+0.9	82	-12	3.25	−0.77	6.59	11	12	6	13	W.
......	54.9	+5.4	101	6	2.80	−0.82	4.48	10	14	6	10	W.
......	56.8	−4.8	100	21	3.35	−0.84	6.56	10	13	8	10	W.
......	72.2	+3.1	109	35	3.51	−0.51	8.06	9	16	8	6	W.
......	72.2	−0.9	102	31	5.05	+0.21	7.84	11	13	11	7	W.
st....	70.7	−0.9	100	33	1.86	−2.14	4.92	7	18	8	5	W.
mber.	70.9	+5.0	102	31	2.29	−0.73	5.89	8	11	9	7	W.
er ...	49.3	−6.0	86	11	7.30	+4.14	13.08	16	5	7	19	W.
nber.	40.6	−2.4	78	6	3.66	−1.05	6.62	9	11	5	14	W.
mber .	32.5	−1.0	75	−8	1.20	−2.21	3.42	7	10	6	15	W.
al....	52.9	−0.2	109	−27	40.57	−3.25	13.08	119	147	84	134	W.

EVAPORATION

Monthly evaporation [inches]; wind movement [miles]

Name of Station.		Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Clarksburg	Evaporation	2.370	4.563	4.940	6.665	5.776	5.369	4.109	1.971	......
	Wind Movement .	2,139	1,860	1,763	1,223	1,047	1,019	1,122	1,714	......

Station established June 1, 1923.

Dates on which First and Last Killing Frost Occurred or Minimum Temperature Fell to 32 Degrees

Station	Last in Spring	First in Autumn	Station	Last in Spring	First in Autumn
Bancroft	April 7	Oct. 10	Martinsburg	May 6	Oct. 23
Bayard	May 25	Oct. 9	Moorefield	May 27	Oct. 10
Beckley	May 25	Oct. 10	Morgantown	May 27	Oct. 10
Bens Run	May 16	Oct. 11	Moundsville	May 24	Oct. 10
Benson	May 27	Oct. 10	New Cumberland	May 25	Oct. 11
Bluefield	May 27	Oct. 9	New Martinsville	May 25	Oct. 10
Brandywine	May 27	Oct. 10	Parkersburg	April 13	Oct. 10
Brownsville	May 27	Oct. 11	Parsons	May 27	Oct. 10
Buckhannon	May 27	Oct. 11	Philippi	May 6	Oct. 10
Burlington	May 16	....	Piedmont	May 8	Oct. 11
Cairo	....	Oct. 10	Pickens	May 27	Oct. 9
Charleston	April 6	Oct. 9	Point Pleasant	April 22	Oct. 10
Cheat Bridge	May 31	....	Ravenswood	May 27	Oct. 10
Clarksburg	May 27	Oct. 11	Robertsburg	May 26	Oct. 10
Creston	May 8	Oct. 10	Romney	May 27	Oct. 10
Elkins	April 17	Oct. 28	Ryan	May 27	Oct. 10
Fairmont	April 7	Oct. 10	Smithfield	May 27	Oct. 11
Gary	May 8	Oct. 11	Spencer	May 27	Oct. 10
Glenville	May 27	Oct. 11	Summersville	May 27	....
Grafton	May 27	Oct. 10	Sutton	May 27	Oct. 10
Green Sulphur Springs	May 27	....	Terra Alta	May 27	Oct. 10
Hinton	May 27	Oct. 11	Union	May 27	Oct. 10
Huntington	Mar. 21	Oct. 11	Upper Tract	May 27	Oct. 11
Inwood	....	Oct. 10	Valley Chapel	May 27	Oct. 11
Janelew	May 27	Oct. 10	Wardensville	May 19	Oct. 10
Lewisburg	May 26	Oct. 10	Wellsburg	Mav 25	Oct. 10
Lost Creek	May 27	Oct. 5	Wheeling	May 26	Oct. 10
Mannington	May 27	Oct. 10	White Sulphur Springs	May 26	Oct. 9
Marlinton	May 27	Oct. 10	Williamson	April 1	Oct. 11

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature: State mean	Highest	Lowest	Precipitation: State average	Greatest local amount	Average snowfall	Number of days: With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	......	......	45.96	......	......	......	......	......	......
1892	52.1	99	−12	38.33	7.20	......	......	......	......	......
1893	52.0	99	−25	39.82	7.85	......	116	......	......	......
1894	53.5	103	−29	34.52	7.48	......	102	155	114	96
1895	51.5	107	−21	32.82	7.69	......	100	150	111	104
1896	53.6	97	−10	43.49	15.70	......	111	132	128	106
1897	53.5	103	−18	41.59	8.42	......	116	141	113	111
1898	54.8	103	−13	47.61	11.57	20.6	117	133	129	103
1899	53.2	100	−35	40.97	8.64	36.1	108	142	107	116
1900	54.1	104	−11	37.62	9.00	30.6	114	135	116	114
1901	52.1	104	−11	44.78	11.10	28.2	116	128	95	142
1902	52.8	104	−14	42.19	9.95	49.1	112	128	118	119
1903	52.0	105	−19	40.55	12.30	29.3	112	151	102	112
1904	50.9	98	−20	33.33	8.29	31.7	111	148	110	108
1905	52.3	100	−22	45.53	10.64	35.3	117	144	102	119
1906	54.0	101	−11	44.36	11.15	40.2	130	134	101	130
1907	51.7	98	−23	52.15	13.36	35.0	138	128	102	135
1908	53.7	101	−16	40.47	11.45	38.0	116	155	110	101
1909	53.0	101	−10	43.02	10.50	30.3	126	143	109	113
1910	52.3	98	−11	38.60	13.16	47.4	118	140	103	122
1911	54.6	106	−5	47.13	12.63	23.2	131	140	97	128
1912	51.7	100	−34	43.78	14.02	33.9	124	159	81	126
1913	53.9	103	−4	49.02	10.53	31.6	122	162	79	124
1914	52.3	106	−22	39.71	10.05	67.7	116	153	81	131
1915	52.8	101	−8	43.76	11.38	29.4	125	146	84	135
1916	52.6	104	−18	44.63	10.79	43.9	121	157	92	117
1917	49.9	104	−37	44.33	14.20	54.6	123	163	74	128
1918	53.2	110	−27	44.77	10.28	37.7	122	160	83	122
1919	54.0	104	−16	47.27	13.08	16.8	118	164	78	123
1920	52.0	99	−11	41.62	9.70	25.7	120	147	75	144
1921	55.6	101	−10	45.45	10.67	22.4	122	145	93	127
1922	54.1	100	−15	41.57	8.19	25.8	117	164	68	133
1923	52.7	102	−20	46.03	12.42	23.9	125	161	73	131
1924	50.5	104	−16	47.84	10.88	36.1	129	154	79	133
1925	53.2	104	−27	41.20	13.08	31.1	124	147	85	133
1891-1925	52.8	110	−37	42.74	15.70	34.1	119	147	97	121

CLIMATOLOGICAL DATA FOR THE YEAR 1925

Stations	Counties	Temperature (degrees Fahrenheit)							Precipitation (inches)								Sky			
		Elevation, feet	Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Number rainy days	Number clear days	Number partly cloudy days	Number cloudy days	Prevailing direction of wind
Panhandle Division																				
Bayard	Grant	2,375	24	48.9	94	June 4	−25	Jan. 28	24	66.08	11.78	Oct.	1.95	Feb.	69.7	157	167	65	133	sw.
Brandywine	Pendleton	1,586	10	......	95	Sept. 12	−20	Jan. 28	10	28.95	3.90	June	0.75	Feb.	40.0	76	200	46	119	sw.
Burlington	Mineral	875	32	......	......	......	−20	Jan. 28	32	......	......		......		......	......	......	......	......	......
Harpers Ferry	Jefferson	244	......	......	......	......	......	......	37	27.84	4.43	Oct.	0.87	Sept.	30.0	91	......	......	......	......
Inwood	Berkeley	569	4	......	100	June 4†	......	......	4	......	4.82	July	......		......	......	......	......	......	......
Martinsburg	Berkeley	435	34	54.7	104[a]	June 4†	−5	Jan. 28	34	32.39	5.81	Oct.	1.44	Sept.	24.5	111	225	81*	59	n.
Moorefield	Hardy	900	30	54.1	102	Sept. 11	−27	Jan. 28	30	25.98	4.53	July	0.46	Feb.	56.5	74	301	22*	42*	......
Piedmont	Mineral	1,053	10	51.4	96	June 4	−15	Jan. 28	10	32.40	7.03	Oct.	1.03	Sept.	33.0	100	160	79	126	nw.
Romney	Hampshire	824	29	......	102[d]	Sept. 11	−20[d]	Jan. 28	29	......	4.52	Oct.	0.90	Aug.	......	......	......	......	......	......
Stony River Dam	Grant	3,300	......	......	......	......	......	......	6	36.37	6.53	Oct.	0.83	Feb.	66.5	119	75	74	216	w.
Upper Tract	Pendleton	1,230	27	......	93[q]	Apr. 24	−18[f]	Jan. 28	27	......	3.10	July	0.35	Feb.	......	......	......	......	......	......
Wardensville	Hardy	1,200	8	52.5	100	June 4	−25	Jan. 28	8	33.55	5.76	July	1.75	May	47.4	102	......	......	......	......
Averages and extremes	......	......	......	54.1	104	June 4†	−27	Jan. 28	......	35.44	11.78	Oct.	0.35	Feb.	46.0	104	188	61	116	sw.
Northern Division																				
Aberdeen	Upshur	1,060	2	......	......	......	......	......	2	47.88	8.24	Oct.	0.98	Dec.	19.5	149	83	154	128	nw.
Bens Run	Pleasants	622	25	54.0	99	June 5	−7	Jan. 28	25	35.22	6.22	Oct.	0.65	Sept.	31.5	112	165	109	91	......
Benson	Harrison	1,080	2	53.2	98	Sept. 11	−22	Jan. 28	2	47.77	9.17	Oct.	0.82	Dec.	16.8	143	106	166	93	......
Brownsville	Lewis	1,032	2	54.4	100	June 5†	−14	Jan. 28	2	45.83	7.81	July	1.06	Dec.	......	146	116	143	106	......
Bruceton Mills	Preston	1,549	......	......	......	......	......	......	15	55.37	13.08	Oct.	1.78	Sept.	59.1	143	47	164	154	sw.
Buckhannon	Upshur	1,411	30	51.9	92	June 5	−15	Jan. 28	35	49.34	8.47	Oct.	1.43	Dec.	19.0	119	172	75	118	......
Cairo	Ritchie	680	26	......	......	......	−17	Jan. 28	21	......	7.17	Oct.	0.63	Dec.	......	......	......	......	......	......
Clarksburg	Harrison	1,015	4	53.0	101[a]	Sept. 11	−8	Jan. 28	4	40.30	8.52	Oct.	0.65	Dec.	14.9	136	107	105	153	nw.
Cortland	Tucker	3,300	......	......	......	......	......	......	10	51.12	7.65	Oct.	0.73	Dec.	......	80	86	174	105	......
Crawford	Lewis	1,107	3	......	......	......	......	......	3	45.62	8.15	Oct.	1.11	Dec.	18.7	137	152	113	100	......
Creston	Wirt	640	25	54.7	100	June 4†	−16	Jan. 28	25	41.66	10.05	Oct.	1.01	Dec.	8.8	126	132	32	201	sw.
Dam 10 Mon. R.	Marion	826	......	......	......	......	......	......	10	40.50	7.68	Oct.	0.93	Sept.	20.1	148	......	......	......	......
Dam 12 O. R.	Ohio	660	......	......	......	......	......	......	10	35.20	5.84	July	1.20	Sept	......	123	......	......	......	......
Dam 13 O. R.	Ohio	655	......	......	......	......	......	......	10	36.33	6.16	July	1.15	Dec.	......	......	......	......	......	......
Dam 15 Mon. R.	Monongalia	882	......	......	......	......	......	......	4	40.81	9.97	Oct.	0.94	Dec.	......	156	......	......	......	......
Davis	Tucker	3,093	......	......	......	......	......	......	16	56.77	8.76	Oct.	2.70	Feb.	82.6	158	......	......	......	......
Elkins	Randolph	1,947	26	51.0	92	June 5	−15	Jan. 28	26	44.19	6.85	Oct.	1.18	Aug.	35.0	164	70	131	164	w.
Evenwood	Randolph	3,240	......	......	......	......	......	......	1	51.67	8.31	Oct.	1.38	Aug.	46.7	149	79	163	125*	......
Fairmont	Marion	883	21	53.2	103	June 5	−9	Jan. 28	34	42.96	10.46	Oct.	0.94	Dec.	29.8	143	234	12	119	w.
Glenville	Gilmer	738	33	56.2	100	June 5	−17	Jan. 28	39	44.14	8.88	Oct.	0.81	Dec.	17.0	128	167	90	108	w.
Grafton	Taylor	1,000	33	......	99[n]	June 5†	......	......	49	......	9.06	Oct.	0.56	Dec.	......	......	......	......	......	......
Horner	Lewis	1,044	3	......	......	......	......	......	3	48.69	8.71	Oct.	1.21	Dec.	18.5	137	207	70	88	......
Horton	Randolph	2,840	......	......	......	......	......	......	1	36.71	5.24	Oct.	1.28	Aug.	64.6	119	77	100	188	sw.
Janelew (near)	Lewis	1,020	3	54.2	98	June 5†	−21	Jan. 28	3	49.52	8.83	Oct.	1.20	Dec.	15.0	115	189*	74	102	sw.
Lost Creek	Harrison	1,026	29	51.9	99	Sept. 11	−21	Jan. 28	30	50.26	8.30	Oct.	0.88	Dec.	15.5	131	149	72	144	w.
Mannington	Marion	985	24	51.8	95	June 5	−19	Jan. 28	24	44.72	9.88	Oct.	1.10	Aug.	28.7	158	132	90	143	w.
Morgantown	Monongalia	1,250	34	53.7	98	June 4	−9	Jan. 28	52	39.40	9.13	Oct.	1.07	Aug.	29.1	......	......	......	......	......
Moundsville	Marshall	689	24	52.4	99[a]	June 4	−12	Jan. 28†	24	33.18	6.34	Oct.	0.77	Aug.	24.6	98	133	91	141	sw.
New Cumberland	Hancock	671	29	50.7	98	June 4	−7	Jan. 28†	29	31.41	4.92	June	0.74	Dec.	35.5	121	149	46	170	s.
New Martinsville	Wetzel	634	33	53.2	102	June 5	−9	Jan 28	34	36.25	7.32	Oct.	0.70	Dec.	15.0	106	153	75	137	s.
Parkersburg	Wood	638	38	55.0	98	June 5	−5	Jan. 28	38	32.83	5.87	Oct.	0.57	Dec.	16.9	126	110	81	174	se.
Parsons	Tucker	1,649	27	51.8	102	June 5	−10[k]	Jan. 28	27	......	......		0.64	Dec.	......	......	......	......	......	......
Philippi	Barbour	1,550	30	53.8	95	June 5	−15	Jan. 28	33	47.59	10.18	Oct.	0.85	Dec.	20.5	124	126*	76	163*	w.
Pickens	Randolph	2,697	24	49.0	93[a]	June 5	−14	Jan. 28	36	62.86	11.16	Oct.	2.12	Aug.	104.0	136	168	72	125*	w.
Roanoke	Lewis	1,050	......	......	......	......	......	......	3	47.72	8.82	Oct.	1.20	Dec.	21.3	138	53	171	111	......
Rowlesburg	Preston	1,375	......	......	......	......	......	......	41	54.16	10.61	Oct.	1.45	Dec.	......	146	......	......	......	......
Saint Marys	Pleasants	577	......	......	......	......	......	......	17	38.82	6.71	Oct.	0.92	Dec.	......	131	......	......	......	sw.
Smithfield	Wetzel	850	21	53.4	100	Sept. 12	−14	Jan. 28†	21	44.60	9.26	Oct.	0.54	Aug.	21.6	135	187	58	120	se.
Terra Alta	Preston	2,559	27	45.5	88	June 4†	−15	Jan. 28	27	52.35	12.18	Oct.	1.52	Dec.	70.1	180	84	99	182	sw.
Valley Chapel	Lewis	1,011	3	55.3	99	June 5†	−15	Jan. 28	3	46.19	8.79	Oct.	1.20	Dec.	26.8	140	172	92	101	w.
Vandalia	Lewis	1,120	......	......	......	......	......	......	3	45.94	7.60	Oct.	1.07	Dec.	......	79	......	......	......	......
Wellsburg	Brooke	668	26	51.6	98	June 3	−20	Jan. 28	34	34.65	5.38	Oct.	0.58	Dec.	26.0	113	146	112	107	w.
Weston	Lewis	1,026	31	......	......	......	−12[e]	Jan. 28	37	......	......		......		......	......	......	......	......	......
Wheeling	Ohio	645	40	52.0	103	June 5	−10	Jan. 28	42	35.86	6.36	July	0.98	Dec.	28.6	133	148	94	123*	sw.
Wyner	Randolph	3,240	......	......	......	......	......	......	1	40.34	6.03	Oct.	0.75	Aug.	52.3	133	......	......	......	e.
Averages and extremes	......	......	......	52.7	103	June 5	−22	Jan. 28	......	44.07	13.08	Oct.	0.54	Aug.	31.9	132	133	100	132	w.
Southern Division																				
Arbovale	Pocahontas	2,734	......	......	......	......	......	......	......	37.41	6.67	July	1.23	Aug.	42.0	122	142	94	129	w.
Bancroft	Putnam	574	23	......	100	Sept. 6	−10	Jan. 28	23	36.62	6.44	Oct.	0.81	Aug.	10.1	115	230	0	135	ne.
Beckley	Raleigh	2,440	26	52.2	92	June 4†	−6	Dec. 28	26	......	6.44	Oct.	1.42	Dec.	......	......	123*	116	126*	w.
Bluefield	Mercer	2,563	31	56.2	95[e]	Aug. 13	1	Dec. 28	31	29.91	5.76	Oct.	0.75	Aug.	......	132	......	......	......	......
Camden-on-Gauley	Webster	2,029	......	......	......	......	......	......	9	30.74	5.62	Oct.	0.20	Aug.	......	......	......	......	......	......
Charleston	Kanawha	600	23	56.1	102[a]	June 3	−8	Jan. 28	41	40.53	7.18	Oct.	0.78	Dec.	12.0	121	158	0	207	......
Clay	Clay	706	......	......	......	......	......	......	10	49.36	7.76	Oct.	1.71	Dec.	......	150	......	......	......	......
Dam 6 G. K.	Kanawha	598	......	......	......	......	......	......	1	34.27	6.20	Oct.	0.66	Dec.	......	102	......	......	......	......
Dam 19 O. R.	Wood	600	......	......	......	......	......	......	9	34.83	6.63	Oct.	0.67	Dec.	......	122	......	......	......	......
Dam 20 O. R.	Wood	600	......	......	......	......	......	......	8	35.91	6.95	Oct.	0.90	Dec.	......	115	......	......	......	......
Dam 26 O. R.	Mason	564	......	......	......	......	......	......	10	34.11	5.72	Oct.	0.58	Aug.	......	101	......	......	......	......
Gary	McDowell	1,426	8	55.7	98	Sept. 6	−2	Dec. 29	8	38.34	8.48	Oct.	1.48	Mar.	......	138	......	......	......	......
Huntington	Cabell	538	20	55.1	94	July 2	−5	Jan 28	31	38.64	6.30	Oct.	0.64	Sept.	15.7	116	144	47	174	w.
Kanawha Falls	Fayette	618	......	......	......	......	......	......	9	45.83	6.21	Oct.	0.99	Dec.	......	94	......	......	......	......
Kayford	Kanawha	1,335	......	......	......	......	......	......	9	46.46	6.40	Oct.	1.53	Dec.	......	156	......	......	......	......
Lewisburg	Greenbrier	2,250	26	52.2	92	June 5†	−9	Jan. 28	34	52.82	5.83	June	1.10	Dec.	12.5	103	162	88	115	nw.
Logan	Logan	700	22	......	......	......	......	......	22	39.84	5.60	Oct.	0.55	Dec.	......	100	......	......	......	......
Marlinton	Pocahontas	2,131	27	47.4	88	June 21	−13	Jan. 28	27	48.56	6.93	Oct.	1.64	Feb.	42.5	117	80	217	68	sw.
Point Pleasant	Mason	595	33	......	......	......	−12	Jan 28	36	41.28	6.31	Oct.	0.86	Dec.	9.4	109	235	2	125*	s.
Ravenswood [Dam 22]	Jackson	584	3	54.7	102	June 4†	−19	Jan. 28	11	39.58	7.31	Oct.	0.84	Dec.	......	102	153	0	212	ne.
Robertsburg	Putnam	570	26	53.6	100	Sept. 11	−15	Jan. 28†	26	34.55	6.70	Oct.	0.53	Aug	......	123	166	0	199	......
Ryan	Roane	700	23	53.1	99	Sept. 11	−22	Jan. 28	23	39.22	6.91	Oct.	0.98	Dec.	17.2	138	141	88	136	......
Sharples	Logan	889	......	......	......	......	......	......	6	43.38	6.44	July	1.36	Dec.	......	......	......	......	......	......
Spencer	Roane	784	21	54.8	98	Sept. 5†	−17	Jan. 28	28	39.21	10.60	Oct.	0.38	Dec.	14.5	108	56	174	135	......
Summersville	Nicholas	1,894	1	......	95	Sept. 4†	......	......	1	......	8.26	Oct.	......		......	......	......	......	......	......
Sutton	Braxton	850	22	52.9	98	June 2†	−15	Jan. 28	22	52.21	7.52	Oct.	1.45	Dec.	30.0	116	227	0	138	......
Union	Monroe	2,250	22	53.7	97*	Aug. 14†	−6	Dec. 28	22	31.53	4.65	Jan.	0.38	Aug.	14.9	106	......	......	......	......
Wayne	Wayne	598	......	......	......	......	......	......	1	38.92	6.65	Oct.	0.50	Sept.	......	112	......	......	......	......
White Sulphur Springs	Greenbrier	1,914	16	52.8	97[a]	June 2†	6	Jan. 27†	16	31.54	5.28	June	0.91	Aug.	......	119	256	26	101	......
Williamson	Mingo	660	26	55.0	92	Sept. 6	......	......	26	41.80	7.41	Oct.	0.98	Dec.	6.0	126	......	......	......	w.
Averages and extremes	......	......	......	53.7	102	June 3†	−22	Jan. 28	......	38.66	10.60	Oct.	0.20	Aug.	18.9	118	161	61	143	w.
State averages and extremes	......	......	......	53.2	104	June 4†	−27	Jan. 28	......	41.20	13.08	Oct.	0.20	Aug.	31.1	124	147	85	133	w.

* 1 day interpolated from nearby stations

† And other dates

Monthly and Annual Mean Temperatures for the Year 1925, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
PANHANDLE DIVISION																										
Bayard	27.2	-0.8	38.2	+10.8	39.6	+1.9	50.8	+4.1	53.4	-3.3	68.2	+4.9	67.8	+0.2	65.0	-1.0	65.6	+5.6	45.0	-3.8	37.2	-1.0	29.2	+0.7	48.9	+1.5
Brandywine	25.2	.....	37.1	.....	40.6	.....	.....	.....	55.2	.....	71.1	.....	70.4	-0.5	68.6	-1.3	69.8	+5.8	48.0	-5.4	38.8	-3.2	31.4	-2.7	.....	.....
Burlington	28.1	-2.6	44.2	+13.9	41.0^{c}	-0.2	54.2^{i}	+3.6	54.2	-6.8	74.0	+5.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Inwood	.....	.....	.....	.....	.....	.....	56.0^{c}	.....	.....	.....	73.4	.....	72.6	.....	69.5	.....	70.9	.....	49.4	.....	41.6	.....	.....	.....	.....	.....
Martinsburg	29.2^{a}	-1.3	38.8^{a}	+8.8	44.2^{a}	+2.9	55.4^{a}	+3.9	60.1^{a}	-2.8	76.5^{a}	+5.9	76.6^{a}	+1.3	73.0^{a}	0	73.8^{a}	+7.7	51.1^{h}	-3.5	42.2^{a}	-0.5	35.0^{a}	+2.3	54.7	+2.1
Moorefield	29.2	-2.7	40.2	+7.9	46.4	+2.5	55.0^{a}	+0.2	59.0	-4.2	73.0	+3.4	73.5	-0.7	71.0	-2.3	72.2	+5.5	50.8	-4.8	42.0^{n}	-1.7	36.4	+3.3	54.1	+0.5
Piedmont	28.0	.....	39.1	.....	42.6	.....	53.9	.....	56.2	-1.9	70.4	-1.6	70.3	-1.4	68.9	-1.5	68.4	+3.3	47.2	-6.2	39.8	-2.0	32.0	-9.8	51.4	.....
Romney	29.2^{d}	-1.7	39.6^{a}	+7.4	42.8^{a}	+0.2	54.3^{d}	+2.7	60.2^{l}	-2.5	.....	.....	74.4^{c}	-0.5	.....	.....	71.5^{d}	+5.6	48.6^{d}	-6.6	40.0^{a}	.....	32.2^{g}	-0.2	.....	.....
Upper Tract	26.6^{f}	-6.7	37.6^{g}	+5.4	40.2^{f}	-2.7	.....	.....	54.4^{e}	-6.3	68.0^{g}	+0.1	65.8^{l}	.....	65.7^{k}	.....	.....	.....	49.4^{j}	-6.1	38.6^{k}	-5.0	30.3^{e}	-3.2	.....	.....
Wardensville	28.5^{a}	.....	40.9^{a}	.....	43.6^{a}	.....	52.3^{a}	.....	58.2^{a}	.....	71.8	.....	70.6^{a}	.....	70.3^{a}	.....	69.8^{a}	.....	49.8^{a}	.....	42.6^{a}	.....	31.9^{a}	.....	52.5	.....
NORTHERN DIVISION																										
Bens Run	33.4	-1.3	39.9	+8.1	46.1	+2.9	56.8	+4.6	57.6	-5.6	74.4	+4.1	73.3	-1.6	71.9	-1.9	70.4	+2.7	49.0	-7.7	41.0	-2.3	34.1	+0.7	54.0	+0.2
Benson	32.6	.....	40.6	.....	44.6	.....	55.1	.....	56.8	.....	71.6	.....	72.0	.....	70.3	.....	70.6	.....	50.1^{a}	.....	40.8	.....	32.9	.....	53.2	.....
Brownsville	34.0	.....	41.6	.....	44.6	.....	55.2	.....	58.2	.....	72.6	.....	73.6	.....	71.7	.....	72.4	.....	51.6	.....	42.4	.....	34.6	.....	54.4	.....
Buckhannon	32.8	-1.1	38.2	+6.7	42.9	+1.3	51.3	+0.2	56.2	-5.4	71.2	+2.6	70.6	-1.4	69.2	-1.1	68.4	+4.4	49.6	-3.8	40.8	-0.6	32.1	-0.9	51.9	+0.1
Cairo	31.2	-3.7	38.7	+6.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	71.6	-1.2	71.8	+3.9	48.8	-8.0	39.7	-4.1	32.4	-1.8	.....	.....
Cheat Bridge	23.1^{a}	.....	31.8^{a}	.....	34.2^{a}	.....	46.8^{a}	.....	47.9^{a}	.....	60.4^{a}	.....	59.9^{a}	.....	61.0^{a}	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clarksburg	30.3	.....	38.0	.....	41.7	.....	54.7^{a}	.....	57.1^{a}	.....	72.7^{a}	.....	73.9^{a}	.....	72.4^{a}	.....	72.6^{a}	.....	49.2^{a}	.....	40.8^{a}	.....	32.0^{a}	.....	53.0	.....
Creston	33.4	0	41.1	+8.3	45.6	+1.4	57.1	+4.1	58.4	-4.9	74.0	+3.4	73.6	-1.0	73.2	-0.2	73.4	+6.2	50.7	-5.1	42.4	-1.3	33.6	-0.3	54.7	+0.9
Elkins	32.3	+1.9	39.8	+8.2	41.5	+1.5	52.8	+4.0	54.5	-4.7	68.8	+1.9	69.2	-1.1	67.7	-1.4	68.0	+5.0	47.6	-4.7	38.7	-1.6	31.0	-1.7	51.0	+0.6
Fairmont	30.0	-2.7	38.6	+6.3	42.4	+0.4	55.0	+3.2	58.2	-3.9	74.4	+4.1	74.3	+0.1	73.0	-0.2	72.8	+6.2	48.4	-7.1	39.8	-2.6	30.9	-2.3	53.2	+0.1
Glenville	34.1	+1.0	44.0	+11.3	42.2	-2.1	59.4	+6.0	62.9	-0.6	74.2	+3.4	75.6	+0.7	74.5	+0.6	74.8	+7.1	54.0	-2.0	44.2	-0.6	34.0	-1.0	56.2	+2.0
Grafton[near	.....	.....	.....	.....	43.2^{a}	+0.5	53.4^{a}	+1.8	54.9^{a}	-7.1	69.0^{a}	-0.2	70.0^{a}	-2.8	68.2^{a}	-3.5	69.3^{a}	+2.9	46.1^{e}	-9.5	38.6^{a}	-4.3	30.6^{a}	-3.3	.....	.....
Janelew	33.6^{a}	.....	42.4	.....	45.6	.....	56.8	.....	57.9	.....	72.0	.....	72.6	.....	71.7	.....	71.4	.....	51.9	.....	41.6	.....	33.3	.....	54.2	.....
Lost Creek	31.1	-1.6	38.8	+7.8	42.4	-0.3	53.6	+3.4	54.6	-6.1	70.0	+2.2	71.5	-0.7	70.4	-0.6	70.7	+5.8	48.4	-6.4	40.0	-2.2	31.3	-2.5	51.9	-0.1
Mannington	31.6	+0.4	38.9	+7.9	43.5	+0.6	54.0	+2.8	56.0	-4.7	70.6	+2.5	70.2	-1.8	68.8	-2.1	69.0	+4.4	48.6	-5.9	40.0	-1.3	31.9	-0.6	51.8	+0.2
Morgantown	33.0	+1.1	41.2	+9.9	44.4	+2.4	55.6	+4.4	57.2	-5.2	73.4	+4.3	72.1	-1.4	71.6^{c}	-0.7	71.9	+4.7	49.2	-6.3	42.1	-1.3	32.6	-0.9	53.7	+0.9
Moundsville	29.8^{a}	-2.1	37.5^{a}	+5.9	42.2^{a}	-0.9	54.1^{b}	+2.3	57.4^{a}	-5.2	72.6^{a}	+2.8	72.8^{a}	-1.4	72.6^{a}	-0.3	71.0^{b}	+4.1	47.3^{a}	-8.7	40.2^{a}	-3.0	31.0^{a}	-2.1	52.4	-0.7
New Cumberland	27.3	-0.9	34.6	+6.9	39.9	+0.1	52.8	+3.5	54.6	-5.9	71.9	+4.0	71.2	-1.6	71.6	+0.7	68.8	+3.9	47.0	-7.5	39.2	-2.1	29.3	-1.5	50.7	0
New Martinsville	32.1	-0.7	38.9	+6.7	43.8	+0.2	55.0	+2.0	56.2	-7.1	72.8	+1.4	72.6	-2.7	72.4	-1.7	71.6	+5.2	49.0	-8.1	41.7	-2.8	32.0	-2.8	53.2	-0.9
Parkersburg	33.0	+0.5	40.4	+6.2	45.8	+3.0	57.0	+3.6	58.8	-5.0	75.3	+3.9	74.5	-0.9	74.2	+0.3	74.0	+6.7	50.9	-5.2	42.6	-1.2	33.4	-1.8	55.0	+0.8
Parsons	28.9^{k}	-2.3	40.6^{c}	+10.9	42.0	+2.1	54.2	+5.5	56.8	-2.1	70.8	+4.7	70.2	0	70.2	-1.0	71.1^{d}	+8.2	47.1	-5.9	39.0	-1.9	30.6	-0.6	51.8	+1.5
Philippi	34.3	+1.4	41.7	+10.5	45.7	+3.2	56.7	+5.5	57.6^{a}	-4.0	72.0	+3.6	71.6	-0.8	71.1	-0.6	71.2	+5.9	49.7	-4.8	42.0	-1.1	31.7	-1.6	53.8	+1.4
Pickens	30.2	-1.1	38.7	+7.1	40.2	+0.5	50.0	+1.7	53.0	-5.9	67.0^{a}	+1.9	67.0^{a}	-1.4	66.6	-0.2	66.4	+4.8	45.4	-7.0	36.3	-4.3	27.6^{a}	-4.5	49.0	-0.7
mithfield	30.6	0	36.0	+5.4	42.4	+0.8	53.0	+2.0	55.8	-5.0	72.0	+4.1	74.4	+2.3	74.7	+3.7	72.6	+8.1	49.3^{c}	-4.3	43.6	-2.5	36.9	+5.4	53.4	+1.7
Terra Alta	24.9	-2.9	35.2	+7.4	37.8	-1.2	48.2	+1.0	50.2	-8.0	61.6	-4.2	64.0	-5.1	62.4	-5.5	62.4	+0.1	41.0	-10.9	33.4	-8.1	25.3	-4.7	45.5	-3.5
Valley Chapel	34.8	.....	42.8	.....	46.4	.....	57.4	.....	59.7	.....	74.0	.....	74.1	.....	73.4	.....	73.0	.....	50.9	.....	42.9	.....	34.0	.....	55.3	.....
Wellsburg	29.4	-0.3	36.6	+9.1	42.8	+3.6	53.4	+4.4	55.8	-4.6	71.8	+4.2	71.4	-0.4	70.6	+0.2	68.9	+4.7	47.6	-6.5	39.4	-1.9	30.9	-0.1	51.6	+1.0
Weston	33.4^{i}	0	42.8	+10.9	46.4^{c}	+2.6	56.9^{c}	+4.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.6^{a}	-0.7	.....	.....	.....	.....
Wheeling	28.0	-2.6	36.8	+6.0	40.8	-0.4	55.6^{a}	+3.5	56.0^{a}	-6.5	73.4	+2.5	73.2^{a}	-1.7	73.4	0	71.4^{a}	+5.0	47.1^{a}	-8.5	38.9^{b}	-2.2	30.0^{a}	-1.9	52.0	-0.6
SOUTHERN DIVISION																										
ancroft	32.8	-1.6	39.2	+5.5	45.0	+0.5	56.8	+3.3	58.3	-4.8	73.8	+2.9	71.2	-3.6	.....	.....	73.2	+4.9	52.8	-4.6	41.5	-3.0	32.9	-2.0	.....	.....
eckley	30.6	-2.6	41.2^{a}	+7.9	43.4	0	55.0	+5.3	57.0	-2.7	71.4	+4.2	72.5	+1.2	69.4	-0.5	68.6	+5.1	48.2^{b}	-7.0	39.2	-3.6	30.4	-3.0	52.2	+0.4
luefield	35.4^{b}	+0.9	42.0^{d}	+7.5	50.8^{c}	+6.5	58.5^{d}	+5.3	56.4^{f}	-5.4	71.7^{d}	-2.9	71.5^{e}	0	73.6^{e}	+2.7	76.8^{e}	+11.1	51.2^{d}	-4.8	47.0^{e}	+2.6	39.9^{d}	+4.7	56.2	+2.4
harleston	35.3	-3.2	44.2^{c}	+5.8	47.2	-1.5	58.8	+2.2	60.4	-5.5	75.7^{a}	+2.6	74.2^{a}	-2.3	74.6^{a}	-1.0	74.2^{a}	+3.1	51.2^{a}	-8.1	43.2^{a}	-5.0	34.4^{a}	-5.3	56.1	-1.5
ary	37.3	.....	43.2	.....	45.8	.....	58.0	.....	60.2	.....	73.8^{d}	.....	75.0^{a}	.....	72.3	.....	73.0	.....	53.0	.....	43.0^{e}	.....	33.9	.....	55.7	.....
reen Sulphur Springs	.....	.....	.....	.....	.....	.....	.....	.....	60.8	-0.4	77.0	+8.5	76.0	+3.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
inton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	76.4^{a}	+2.3	72.6^{c}	-1.1	71.7	+4.1	54.4	-2.2	38.8^{i}	-5.2	35.2	+0.3	.....	.....
untington	32.9	+0.1	40.7	+8.1	45.4	+0.8	57.4	+3.4	58.9	-3.6	76.0	+3.4	74.3	-2.1	73.6	-1.2	73.4	+5.2	51.8	-4.4	42.6	-1.0	34.3	-0.1	55.1	+0.7
ewisburg	31.3	-0.6	41.4	+9.4	44.5	+2.5	54.0	+3.9	56.0	-4.3	69.6	+2.4	70.6	-0.4	67.8	-2.1	69.0	+4.9	49.6	-4.0	39.8	-1.7	33.0	+0.8	52.2	+0.9
arlinton	25.0	-3.2	35.2	+6.2	38.0	-0.6	49.3	+2.2	52.4	-5.0	66.4	+1.5	66.0	-2.6	64.2	-3.0	64.9	+3.5	44.6	-5.7	35.0	-2.8	27.4	-1.7	47.4	-0.9
oint Pleasant	33.9	+0.3	42.6	+9.1	47.6	+2.2	59.5	+4.6	60.7	-4.4	77.6	+5.2	76.1	-0.3	76.9	+2.3	.....	.....	48.0^{b}	-9.6	43.0	-2.0	33.8	-1.4	.....	.....
owellton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34.2^{b}	-2.3	.....	.....
avenswood[Dam 22]	33.4	.....	41.4	.....	46.8	.....	57.6	.....	57.4	.....	74.6	.....	73.6	.....	72.2	.....	72.0	.....	50.8	.....	42.5	.....	33.9	.....	54.7	.....
obertsburg	31.0	-2.4	39.2	+6.3	44.2	-0.4	56.3	+3.4	57.5	-6.1	74.2	+2.9	72.8	-2.6	72.8	-1.6	73.7	+5.6	49.6	-7.8	40.4	-2.8	31.2	-2.8	53.6	-0.7
an	32.1	-1.2	39.2	+6.0	43.3	-0.6	55.1	+2.7	56.6	-5.3	72.5	+3.4	71.8	-0.5	71.6	-1.5	72.2	+5.9	50.3	-4.5	40.2	-2.7	31.8	-2.1	53.1	0
encer	31.6	-2.0	41.9	+8.1	45.2	+2.3	57.4	+4.9	58.3	-3.7	73.6	+3.7	72.5	-1.1	74.6	+1.9	73.9	+9.4	50.0	-5.2	42.3^{a}	-1.1	35.9^{a}	+1.4	54.8	+1.6
mmersville	.....	.....	42.2^{b}	.....	43.9^{l}	.....	54.6	.....	55.7	.....	71.0^{c}	.....	71.4^{i}	.....	70.4	.....	70.6	.....	.....	.....	.....	.....	.....	.....	.....	.....
tton	33.7	+0.1	42.2	+7.7	44.6	-1.0	53.8	+0.7	55.4	-8.7	70.6	-2.2	70.1	-6.2	69.6	-6.2	70.4	+0.3	50.8	-7.7	40.4	-3.4	33.1	-0.5	52.9	-2.3
ion	32.3^{d}	-0.3	41.2^{d}	+8.1	46.1^{d}	+3.1	56.4^{d}	+5.8	56.6^{e}	-4.1	71.6^{d}	+4.6	72.5^{d}	+1.5	70.6^{e}	0	71.1^{d}	+6.0	51.5^{d}	-2.6	41.0^{e}	0	33.0^{d}	-1.1	53.7	+1.8
ite Sulphur Springs	30.4^{a}	-2.5	40.8^{a}	+5.5	43.0^{a}	-1.7	55.5^{a}	+4.3	58.4^{a}	-2.0	73.0^{a}	+6.1	72.8^{a}	+2.2	70.8^{a}	+0.3	70.2^{a}	+5.8	48.2^{a}	-4.5	39.0^{a}	-3.8	31.8^{a}	-1.6	52.8	+0.7
lliamson	35.0	-0.9	41.3	+5.2	45.3	-1.5	58.1	+3.1	57.8	-7.1	74.2	+2.2	73.6	-1.9	72.0^{i}	-2.9	71.9	+2.6	51.6	-6.9	41.6	-3.6	37.3^{f}	+0.4	55.0	-0.9

Reference letters indicate number of days missing; ^{a} one day, ^{b} two days, etc.

THE WEATHER BY MONTHS

Continued from page 49

APRIL.—This month was characterized by much warmer and considerably drier ther than usual. The temperature was exceptionally high near the middle of the d decade, causing fruit trees to bud and a rapid advancement in farm work. Freez- temperature on the 21st over the eastern counties caused much damage to fruit. l weather at the close of the month was also decidedly unfavorable for germination growth. Destructive winds on the 19th caused considerable damage.

MAY.—Exceptionally cool weather prevailed in the second and third decades, giving y to killing frosts in the central and northern counties. Hail storms were frequent high winds prevailed in localities on the 24th. Much corn had to be replanted and t was much damaged. Excepting May in 1917 and 1924, the average temperature the lowest of State record for May. The rainfall was below the normal.

JUNE.—June was exceptionally warm. Maximum temperatures of 100° or slightly ve occurred at 16 stations. The night temperatures, however, were generally favor- . The rainfall was considerably below the normal and the conditions were gener- droughty, especially over the eastern counties. Corn was backward early in the th but made excellent growth during the last two decades. The potato crop was aged by high temperature and lack of moisture.

JULY.—The temperature was continuously above and generally much above the nor- from the 2d to the 17th. The last two weeks were continuously cool, with the tem- ture on two or three days near the low State record for July. The temperature was exceptionally low on the 1st, when a temperature of 31° occurred at Bayard and a Alta. A light frost was observed at Bayard on the [illegible] The rainfall was tly above the normal.

AUGUST.—August averaged slightly cooler than usual, and the month was about equally divided into periods of moderately warm and moderately cool weather; but unusually low temperature for August occurred on the 22d-25th, when light frosts were observed in localities of the northern mountain region. The average rainfall, 1.86 inches, was the least of August State record, making the conditions especially droughty, especially over the southeastern counties, where practically no rain fell from the 21st to the 31st. A severe hailstorm on the 31st in the Gerrardstown and Inwood sections of Berkeley County caused much damage to the apple crop.

SEPTEMBER.—The past month was the warmest September of State record, except in 1921, when the September average was the same, 70.9°. The month was also dry, the conditions being decidedly droughty, especially over the eastern counties. Corn, especially late-planted, was much damaged. At the close of the month corn was mostly in the shock, threshing well advanced, and the sowing of winter grains commenced.

OCTOBER.—The past month was by far the wettest October of State record, the average rainfall, 7.30 inches, exceeding that of the previous wettest October by nearly 1.50 inches. Rain was recorded at four or more stations on every day of the month, and at nine stations the monthly amounts exceeded 10 inches. The weather was also exceptionally cloudy and cold. In most agricultural sections the first frost of the season was a killing frost on the 10th, which caused much damage to late vegetation. Much corn was damaged by wet weather.

NOVEMBER.—November was also wet and somewhat colder than usual. The month was characterized by four rather long periods of moderately cold weather and by light snowfall. The conditions were unfavorable for late farm work.

DECEMBER.—The last month in 1925 was the driest of December State record. The snowfall was also exceptionally light. The temperature averaged considerably below the normal, owing to a cold wave that prevailed during the last five days. The streams and rivers were especially low, causing a scarcity of water for stock and industrial purposes. The conditions were unfavorable for winter grains.

Monthly and Annual Precipitation for the Year 1925, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
PANHANDLE DIVISION																										
Bayard	4.35	-0.85	1.95	-1.44	3.29	-1.09	4.36	+0.51	6.56	+2.34	8.06	+3.16	6.34	+1.40	4.92	+0.31	5.74	+2.32	11.78	+8.36	5.86	+1.40	2.87	-1.03	66.08	+15.39
Brandywine	3.65	....	0.75	....	3.10	....	3.60	....	1.40	....	3.90	....	2.90	-0.59	1.70	-1.18	1.50	-1.13	3.45	+1.62	1.90	+0.20	1.10	-0.62	28.95	....
Burlington	2.08	-0.57	2.10	-0.29	....	....	....	....	3.15	-0.54	3.40	-0.57	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Harpers Ferry	3.86	+1.11	1.40	-1.03	2.18	-0.88	2.88	-0.11	2.32	-1.55	2.31	-1.39	1.61	-1.88	3.18	-0.59	0.87	-2.01	4.43	+1.74	1.60	-0.62	1.20	-1.35	27.84	-8.56
Inwood	....	....	....	....	....	....	....	....	....	....	2.91	....	4.82	....	2.97	....	0.65	....	4.14	....	2.12	....	....	....	....	....
Martinsburg	3.72	+1.12	1.62	-0.81	2.47	-0.83	2.72	-0.32	2.15	-1.85	3.64	-0.65	2.42	-1.40	2.23	-1.58	1.44	-1.43	5.81	+3.25	2.17	-0.09	2.00	-0.73	32.39	-5.32
Moorefield	4.44	+1.89	0.46	-1.91	2.45	-0.22	2.83	-0.16	1.10	-2.45	1.69	-2.47	4.53	+1.14	1.45	-1.79	1.04	-1.52	3.39	+1.16	1.35	-0.26	1.25	-1.01	25.98	-7.60
Piedmont	3.24	....	1.47	....	1.78	....	2.55	....	2.35	....	2.74	....	3.97	+0.28	1.84	-1.75	1.03	-1.33	7.03	+4.23	3.27	+1.26	1.13	-1.37	32.40	....
Romney	....	....	1.58	-0.68	1.00	-2.10	1.55	-1.47	....	....	2.06	-2.06	2.08	-1.46	0.90	-3.06	1.39	-1.27	4.52	+2.02	1.57	-0.40	1.15	-1.33	....	....
Stony River Dam	2.94	....	0.83	....	2.48	....	2.79	....	2.59	....	4.19	....	3.04	....	4.32	....	2.91	....	6.53	....	2.66	....	1.09	....	36.37	....
Upper Tract	2.44	-0.11	0.35	-1.34	1.70	-0.84	....	....	0.70	-2.48	1.05	-3.14	3.10	-0.70	0.30	-3.45	....	....	2.19	-0.01	0.65	-0.88	0.45	-1.73	....	....
Wardensville	3.18	....	2.35	....	2.27	....	3.80	....	1.75	....	2.34	....	5.76	....	2.65	....	2.18	....	3.30	....	1.92	....	2.05	....	33.55	....
NORTHERN DIVISION																										
Aberdeen	4.96	....	2.41	....	3.88	....	2.11	....	3.91	....	5.73	....	6.38	....	2.52	....	2.67	....	8.24	....	4.09	....	0.98	....	47.88	....
Bens Run	3.60	-0.81	2.72	-0.47	2.31	-1.83	1.64	-2.44	3.39	-1.14	4.28	-0.24	5.12	+0.57	1.18	-3.06	0.65	-1.70	6.22	+3.11	3.38	+0.83	0.73	-3.03	35.22	-10.21
Benson	4.63	....	2.56	....	3.31	....	1.80	....	4.29	....	5.02	....	6.22	....	3.11	....	2.60	....	9.17	....	4.24	....	0.82	....	47.77	....
Brownsville	4.86	....	2.42	....	2.78	....	2.21	....	4.10	....	4.13	....	7.81	....	1.83	....	3.09	....	7.75	....	3.79	....	1.06	....	45.83	....
Bruceton Mills	3.96	-1.30	3.19	-0.17	4.42	+1.01	2.18	-1.52	4.71	+0.30	5.49	+0.91	7.84	+2.54	2.88	-1.77	1.78	-1.74	13.08	+9.30	4.03	+1.38	1.81	-1.79	55.37	+7.15
Buckhannon	4.70	+0.19	3.41	-0.46	4.78	+0.26	3.35	-0.91	3.86	-0.74	4.63	-0.26	5.80	+0.46	2.22	-1.88	2.08	-1.05	8.47	+5.01	4.61	+1.15	1.43	-2.58	49.34	-0.81
Cairo	3.75	-0.80	2.62	-0.86	....	....	....	....	....	....	....	....	....	....	3.02	-0.60	1.16	-1.45	7.17	+4.09	3.84	+1.17	0.63	-3.13	....	....
Cheat Bridge	4.21	....	2.31	....	4.01	....	2.34	....	3.84	....	5.08	....	4.50	....	2.11	....	....	....	....	....	....	....	....	....	....	....
Clarksburg	3.89	....	1.98	....	2.61	....	1.67	....	4.12	....	3.88	....	5.38	....	2.21	....	2.06	....	8.52	....	3.33	....	0.65	....	40.30	....
Cortland	4.34	-0.47	2.00	-1.89	4.21	+0.06	3.49	-0.03	4.75	+0.26	6.13	+1.35	6.43	+0.43	2.55	-1.59	3.90	+0.42	7.65	+4.29	4.94	+2.64	0.73	-2.78	51.12	+2.69
Crawford	4.89	....	3.11	....	4.69	....	2.72	....	3.52	....	2.23	....	6.74	....	1.66	....	2.88	....	8.15	....	3.92	....	1.11	....	45.62	....
Creston	3.80	-0.05	2.52	-0.37	3.18	-0.84	2.62	-1.39	4.13	+0.22	3.31	-0.96	4.71	+0.69	1.26	-2.19	1.38	-1.20	10.05	+7.04	3.69	+1.19	1.01	-2.32	41.66	-0.18
Dam 10, Mon. R.	3.31	....	2.47	....	3.01	....	1.87	....	4.11	....	4.22	....	5.60	....	2.30	....	0.93	....	7.68	....	3.88	....	1.12	....	40.50	....
Dam 12, O. R.	2.09	....	2.35	....	2.66	....	1.86	....	3.19	....	3.34	....	5.84	....	2.34	....	1.20	....	5.72	....	3.85	....	1.26	....	35.20	....
Dam 13, O. R.	2.91	....	2.18	....	2.80	....	2.11	....	2.51	....	4.06	....	6.16	....	1.20	....	1.96	....	5.74	....	3.55	....	1.15	....	36.33	....
Dam 15, Mon. R.	3.53	....	2.39	....	2.85	....	2.02	....	3.65	....	2.88	....	5.80	....	1.40	....	1.21	....	9.97	....	4.17	....	0.94	....	40.81	....
Davis	4.06	-1.76	2.70	-1.48	4.65	+0.34	4.31	+0.34	3.53	-0.62	7.59	+2.67	4.84	-0.72	3.66	-1.32	5.39	+1.62	8.76	+4.61	4.42	+1.45	2.86	-1.98	56.77	+3.15
Elizabeth	3.17	-1.45	2.23	-0.43	....	....	....	....	....	....	....	....	....	....	0.96	-3.41	0.55	-2.14	9.06	+5.31	3.24	+0.77	0.71	-2.60	....	....
Elkins	4.12	+0.78	1.97	-1.20	3.91	-0.16	3.32	+0.03	2.60	-1.38	6.11	+1.07	4.81	+0.17	1.18	-2.47	4.55	+1.68	6.85	+4.43	3.21	+0.35	1.56	-1.86	44.19	+1.44
Evenwood	5.07	....	2.33	....	4.87	....	4.45	....	3.55	....	6.50	....	6.07	....	1.38	....	3.57	....	8.31	....	3.94	....	1.63	....	51.67	....
Fairmont	3.92	-0.06	2.50	-0.51	2.87	-1.14	2.10	-1.32	3.71	-0.25	3.22	-1.23	6.40	+1.67	1.13	-2.41	1.45	-1.39	10.46	+7.83	4.26	+1.43	0.94	-2.56	42.96	+0.06
Glenville	3.92	-0.43	3.10	-0.63	3.13	-1.11	2.58	-1.16	4.15	-0.06	2.63	-1.84	7.08	+1.79	1.00	-2.91	2.59	-0.68	8.88	+5.83	4.27	+1.29	0.81	-2.88	44.14	-2.79
Grafton	....	....	....	....	3.72	-0.23	2.48	-1.29	3.91	-0.34	4.85	+0.32	5.36	+0.37	1.40	-2.52	2.11	-0.73	9.06	+6.16	3.92	+0.95	0.56	-3.03	....	....
Horner	5.01	....	2.50	....	4.15	....	2.61	....	4.39	....	4.13	....	6.72	....	2.66	....	2.56	....	8.71	....	4.04	....	1.21	....	48.69	....
Horton	3.67	....	1.70	....	3.80	....	2.68	....	2.84	....	4.82	....	3.08	....	1.28	....	2.83	....	5.24	....	3.17	....	1.60	....	36.71	....
Janelew	4.70	....	2.53	....	3.86	....	2.51	....	3.85	....	5.43	....	7.12	....	3.14	....	2.85	....	8.83	....	3.50	....	1.20	....	49.52	....
Lost Creek	5.25	+1.19	2.88	-0.18	3.39	-0.70	2.63	-0.73	4.67	+0.38	6.19	+2.00	6.19	+1.41	3.37	-0.65	2.74	-0.04	8.30	+5.57	3.77	+1.27	0.88	-2.61	50.26	+6.91
Mannington	3.86	-0.75	2.47	-0.32	2.90	-0.85	2.18	-1.79	3.74	-0.31	4.95	+0.73	6.73	+1.76	1.10	-2.82	1.56	-1.61	9.88	+6.94	4.20	+1.70	1.15	-2.37	44.72	+0.31
Morgantown	2.65	-1.22	2.51	-0.60	1.87	-1.84	2.03	-1.32	3.80	+0.18	4.33	-0.21	6.18	+1.11	1.07	-3.13	1.08	-1.98	9.13	+5.98	3.23	+0.33	1.52	-1.60	39.40	-4.30
Moundsville	2.83	-0.30	2.26	-0.02	2.16	-1.16	2.05	-1.07	2.53	-0.77	2.86	-0.62	5.45	+0.98	0.77	-2.82	1.70	-0.81	6.34	+3.23	3.35	+1.60	0.88	-2.41	33.18	-4.17
New Cumberland	2.19	-0.57	1.81	-0.56	1.93	-1.43	1.42	-1.94	3.19	-0.11	4.92	+0.25	4.28	-0.01	1.42	-2.06	2.72	+0.19	3.12	+0.13	3.67	+1.82	0.74	-1.89	31.41	-6.18
New Martinsville	3.45	-0.31	2.60	-0.38	2.70	-0.95	1.90	-1.69	2.83	-0.91	4.12	+0.05	5.02	+0.22	0.73	-2.77	1.70	-0.95	7.32	+4.44	3.18	+0.54	0.70	-2.86	36.25	-5.57
Parkersburg	2.71	-0.48	2.09	-1.15	2.19	-1.63	1.67	-1.24	2.70	-0.76	3.48	-1.17	5.44	+0.78	1.65	-1.88	0.55	-2.17	5.87	+3.43	3.91	+1.08	0.57	-2.20	32.83	-7.39
Parsons	4.30	-0.47	1.84	-1.58	4.88	+0.82	2.97	-0.88	1.95	-1.48	4.70	-0.54	5.87	+0.75	3.05	-0.75	....	....	....	....	4.23	+1.69	0.64	-3.15	....	....
Philippi	3.41	+0.08	1.96	-1.41	4.09	-0.11	2.71	-1.22	3.45	-0.83	4.82	+0.30	6.21	+1.23	1.76	-2.29	3.24	+0.10	10.18	+7.30	4.91	+2.12	0.85	-2.98	47.59	+2.29
Pickens	7.07	+0.40	4.25	-0.82	6.59	+0.81	4.12	-0.92	4.22	-1.11	5.05	-1.06	6.16	+0.09	2.12	-2.99	3.31	-0.62	11.16	+7.09	5.74	+1.89	2.77	-2.43	62.86	+0.33
Roanoke	5.07	....	2.83	....	3.96	....	2.81	....	4.06	....	2.83	....	7.15	....	2.87	....	3.00	....	8.82	....	3.12	....	1.20	....	47.72	....
Rowlesburg	4.53	+0.03	2.50	-0.91	4.59	+0.29	2.63	-1.38	4.68	+0.32	4.34	-0.68	6.28	+1.26	2.77	-1.10	3.16	+0.09	10.61	+7.58	6.62	+3.54	1.45	-2.42	54.16	+6.62
St. Marys	3.60	-0.96	2.73	-0.47	3.13	-0.49	1.79	-2.11	3.31	-0.55	3.83	+0.06	6.32	+2.21	1.11	-3.65	1.70	-0.80	6.71	+3.31	3.67	+1.19	0.92	-2.58	38.82	-4.84
Smithfield	4.28	-0.55	2.83	-0.79	3.14	-0.83	1.76	-2.14	4.14	-0.04	5.61	+1.02	6.14	+0.75	0.54	-3.92	1.46	-1.73	9.26	+5.83	4.42	+1.45	1.02	-3.06	44.60	-4.01
Terra Alta	3.16	-2.14	2.64	-1.13	4.24	-0.58	3.96	-0.23	3.93	-1.06	5.23	-1.75	5.15	-0.41	2.94	-2.05	2.23	-1.40	12.18	+8.56	5.17	+2.09	1.52	-3.64	52.35	-3.74
Valley Chapel	4.33	....	2.74	....	3.46	....	2.26	....	4.35	....	4.32	....	6.79	....	1.90	....	2.82	....	8.79	....	3.23	....	1.20	....	46.19	....
Vandalia	4.96	....	3.70	....	4.13	....	2.73	....	4.19	....	1.72	....	6.07	....	2.02	....	2.85	....	7.60	....	4.90	....	1.07	....	45.94	....
Wellsburg	2.49	-0.95	1.74	-1.14	2.29	-0.93	1.76	-1.35	4.16	+0.68	3.97	-0.52	4.49	-0.10	2.23	-1.61	1.65	-1.15	5.38	+2.43	3.91	+1.76	0.58	-2.49	34.65	-5.37
West Milford	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	0.92	....	....	....
Weston	4.60	+0.43	2.26	-1.48	4.13	-0.34	2.32	-1.73	....	....	....	....	....	....	....	....	....	....	....	....	3.94	+0.71	....	....	....	....
Wheeling	2.80	-0.35	1.95	-0.58	2.14	-0.92	2.04	-1.09	3.21	-0.25	5.00	+1.19	6.36	+1.76	1.00	-2.67	1.35	-1.15	5.83	+3.22	3.20	+0.77	0.98	-1.99	35.86	-2.06
Wymer	4.50	....	1.32	....	3.86	....	4.07	....	2.47	....	4.15	....	5.17	....	0.75	....	3.96	....	6.03	....	2.79	....	1.27	....	40.34	....
SOUTHERN DIVISION																										
Arbovale	3.11	....	1.64	....	3.64	....	2.05	....	2.83	....	2.68	....	6.67	....	1.23	....	3.14	....	5.66	....	3.36	....	1.40	....	37.41	....
Bancroft	3.62	-0.78	3.34	+0.43	3.27	-0.67	3.32	-0.51	3.19	-0.95	2.45	-2.18	4.02	-0.02	0.81	-3.61	1.71	-1.08	6.44	+3.26	3.53	+1.13	0.92	-2.43	36.62	-7.41
Beckley	....	....	....	....	2.27	-1.59	2.93	-0.45	1.53	-1.89	2.93	-1.50	4.15	-0.08	2.89	-0.17	2.39	-0.09	6.44	+3.67	2.65	+0.26	1.42	-1.68	....	....
Bluefield	2.30	-0.92	1.87	-1.18	1.58	-2.08	2.51	-1.43	1.02	-2.62	4.21	-0.57	4.55	+0.08	0.75	-3.67	1.04	-1.62	5.76	+2.88	2.73	+0.45	1.59	-1.32	29.91	-12.00
Camden-on-Gauley	1.32	....	2.40	....	3.40	....	1.80	....	2.60	....	2.02	....	2.30	....	0.20	....	2.84	....	5.62	....	4.00	....	2.24	....	30.74	....
Charleston	3.75	-0.20	3.09	-0.48	3.89	-0.53	3.60	-0.09	3.85	-0.22	2.15	-2.38	4.25	-0.03	1.43	-3.08	3.08	-0.05	7.18	+4.41	3.48	+0.41	0.78	-2.75	40.53	-4.99
Clay	4.57	....	3.84	....	3.96	....	3.17	....	4.03	....	3.93	....	6.79	....	1.78	....	3.81	....	7.76	....	4.01	....	1.71	....	49.36	....
Dam 6 G. K.	2.77	....	2.65	....	3.98	....	3.38	....	2.50	....	2.43	....	2.60	....	0.88	....	2.91	....	6.20	....	3.31	....	0.66	....	34.27	....
Dam 19 O. R.	2.73	....	2.37	....	2.80	....	1.81	....	2.61	....	3.39	....	4.77	....	1.30	....	1.00	....	6.63	....	4.75	....	0.67	....	34.83	....
Dam 20 O. R.	3.16	....	2.45	....	2.67	....	2.33	....	3.50	....	2.98	....	4.28	....	1.12	....	0.96	....	6.95	....	4.61	....	0.90	....	35.91	....
Dam 26 O. R.	3.68	....	2.32	....	3.02	....	2.69	....	4.77	....	1.45	....	3.92	....	0.58	....	0.70	....	5.72	....	4.65	....	0.61	....	34.11	....
Gary	4.03	....	3.51	....	1.48	....	3.04	....	1.85	....	5.32	....	2.59	....	2.02	....	1.76	....	8.48	....	2.70	....	1.56	....	38.34	....
Green Sulphur Springs	....	....	....	....	....	....	....	....	2.81	-0.85	3.47	-0.70	6.12	+2.28	....	....	....	....	....	....	....	....	....	....	....	....
Hinton	....	....	....	....	....	....	....	....	....	....	2.78	-1.45	4.06	+0.11	1.68	-2.18	1.28	-1.48	6.08	+3.52	2.41	+0.21	1.32	-1.48	....	....
Huntington	3.35	-0.57	2.66	-0.47	3.38	-0.95	3.88	+0.27	4.58	+0.57	2.50	-1.74	5.05	+0.84	0.74	-3.10	0.64	-2.08	6.30	+3.92	4.52	+1.73	1.04	-2.60	38.64	-4.18
Kanawha Falls	4.42	....	3.18	....	3.82	....	4.44	....	3.62	....	2.15	....	4.94	....	3.04	....	5.89	....	6.21	....	3.13	....	0.99	....	45.83	....
Kayford	4.59	....	3.36	....	3.32	....	4.18	....	3.81	....	3.14	....	4.60	....	4.00	....	4.07	....	6.40	....	3.46	....	1.53	....	46.46	....
Lewisburg	3.18	-0.35	2.17	-0.79	1.45	-2.51	3.05	-0.39	2.04	-1.60	5.83	+1.59	2.57	-1.51	2.30	-1.26	1.32	-1.51	5.58	+2.73	2.23	-0.23	1.10	-1.74	32.82	-7.57
Logan	4.22	-0.56	3.19	-0.71	3.24	-2.01	3.86	-0.94	3.15	-1.01	2.65	-2.76	4.08	-1.82	1.45	-2.20	4.54	+1.55	5.60	+3.45	3.31	+0.49	0.55	-4.05	39.84	-10.55
Marlinton	1.53	-0.46	1.64	-1.75	3.94	-0.42	2.85	-0.49	2.05	-1.96	4.38	+0.16	6.40	+1.07	2.48	-1.75	2.27	-0.84	6.93	+3.94	4.16	+1.42	1.93	-1.72	40.56	-2.81
Organ Cave	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.12	....	....	....
Point Pleasant	4.20	+0.30	2.90	-0.52	3.59	-0.56	2.95	-0.33	4.07	+0.12	2.80	-1.50	4.80	+0.79	1.40	-1.80	2.42	-0.10	6.31	+3.72	4.98	+2.18	0.86	-2.57	41.28	-0.27
Powellton	....	....	....	....	....	....	....	....	2.44	-1.66	....	....	3.34	-1.15	2.41	-1.86	2.23	-0.75	....	....	....	....	1.62	-1.44	....	....
Ravenswood	3.45	....	2.38	....	3.38	....	2.38	....	3.16	....	2.49	....	7.20	....	1.36	....	1.54	....	7.31	....	4.09	....	0.84	....	39.58	....
Robertsburg	3.28	-0.72	2.60	-0.42	3.20	-0.88	2.77	-0.97	3.31	-0.29	2.93	-1.12	2.92	-0.82	0.53	-2.72	1.45	-0.86	6.70	+3.92	3.80	+1.43	1.06	-2.40	34.55	-5.85
Ryan	4.31	+0.09	3.47	+0.10	3.32	-1.00	4.28	+0.43	3.23	-0.17	2.38	-2.09	4.14	-0.42	1.00	-2.56	1.90	-0.89	6.91	+3.46	3.30	+0.82	0.98	-2.41	39.22	-5.30
Sharples	4.03	....	3.76	....	2.68	....	4.18	....	3.16	....	2.82	....	6.44	....	1.44	....	3.77	....	5.18	....	4.26	....	1.36	....	43.38	....
Sissonville	4.70	....	3.04	....	3.53	....	3.62	....	3.35	....	....	....	....	....	....	....	....	....	8.03	....	4.05	....	....	....	....	....
Spencer	3.23	-1.17	4.32	+1.28	3.10	-0.84	2.19	-1.75	4.25	+0.55	1.38	-2.97	3.92	-0.37	1.65	-1.89	1.36	-1.58	10.60	+7.39	2.83	+0.35	0.38	-2.99	39.21	-3.99
Summersville	....	....	2.77	....	4.03	....	3.22	....	3.30	....	2.39	....	4.24	....	1.69	....	2.48	....	8.26	....	....	....	....	....	....	....
Sutton	5.06	+0.04	3.45	+0.15	4.92	+0.89	3.54	-0.65	4.29	-0.20	3.25	-1.78	7.38	+2.21	1.60	-2.14	5.29	+2.13	7.52	+4.43	4.46	+0.50	1.45	-2.49	52.21	+3.09
Union	4.65	+1.04	3.85	+1.14	1.80	-1.94	4.31	+1.42	1.45	-1.31	3.65	-0.67	1.08	-3.54	0.88	-2.97	1.97	-0.63	4.61	+1.77	1.94	-0.05	1.34	-1.18	31.53	-6.92
Wayne	3.20	....	3.15	....	3.78	....	2.37	....	3.80	....	3.27	....	4.31	....	2.20	....	0.50	....	6.65	....	4.70	....	0.99	....	38.92	....
White Sulphur Springs	3.70	+1.12	1.56	-2.66	1.54	-2.58	2.76	-0.32	2.20	-1.67	5.28	+0.72	1.61	-3.44	0.91	-2.75	1.92	-1.21	3.78	+0.96	2.86	+0.45	3.42	+0.26	31.54	-11.12
Williamson	3.70	-0.62	3.55	+0.40	2.93	-1.67	3.90	+0.01	3.50	-0.31	3.13	-1.50	2.25	-2.01	2.55	-1.99	3.28	+0.26	7.41	+4.65	4.62	+2.03	0.98	-2.86	41.80	-3.61

(WBO, Cleveland, 3-12-26—875)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIV Parkersburg, W. Va., January, 1926 No. 1

GENERAL SUMMARY

January averaged considerably colder and slightly drier than usual. The month was characterized by moderately heavy snow, with unusually low temperature during the last decade. During the period of lowest temperature, however, the snow-cover was generally ample to protect winter grains: but some damage resulted to young fruit trees in a few localities. Moderately heavy rain and melted snow on the 21st-22d caused decided rises in the smaller rivers and moderate stages in the Ohio River. The Little Kanawha River at Glenville reached a stage of 23.3 feet and the Ohio River at Point Pleasant reached stage of 38.7 feet. Floating ice caused a suspension of boating on the Ohio River for several days. Stock was in good condition at the close of the month.

TEMPERATURE

The monthly mean for the State, determined from 50 stations, vas 29.7°. The departure from the normal for 40 stations iaving ten or more years of record was —2.5°. The temperture was considerably above the normal from the 2d to the 7th nd the 17th to the 21st, and somewhat above on the last two ays, with highest readings occurring on the 5th, 18th, and 0th. Moderately cold weather prevailed from the 13th to the 8th, with lowest temperatures on the 12th and 13th for that eriod. Another cold period extended from the 22d to the 9th, with the temperatures on the morning of the 29th ranging nerally from near zero to more than 20° below zero.

PRECIPITATION

The average precipitation for the State, determined from 85 ations, was 3.71 inches. The departure from the normal for stations having ten or more years of record was —0.25 inch. ie precipitation was generally heaviest over the southern and ntral counties and lightest over the northwestern counties. ie greater part of the precipitation was received on the 4-5th, 9th, 17-18th, 21st-22d, 27-28th, and 31st, the greatest amounts ing measured on the 18th and 21st-22d; but light and more less scattered precipitation fell daily from the 10th to the h and on the 26th. Most of the snowfall was received on the 9th, 21st-22d, and 27-28th, but in the mountains light to derate snow also fell daily from the 10th to the 15th and on 25th and 27th.

MISCELLANEOUS PHENOMENA

ogs, dense: Arbovale, 4th, 18th, 21st, and 26th; Bancroft, h; Bens Run, 4th, 20th, and 22d; Bruceton Mills, 18th; Cairo, 4th; Elkins, 19th and 20th; Grafton, 4th, 17th, and 21st; Marlinton, 5th; Morgantown, 4th; New Cumberland, 21st; Terra Alta, 4th.

Halo, lunar: Elkins, 24th.

Sleet: Brownsville, 28th; Cairo, 21st; Elkins, 22d; Fairmont, 22d; Marlinton, 4th; Martinsburg, 22d.

Thunderstorms: Aberdeen, Brownsville, Bruceton Mills, Crawford, Elkins, Grafton, Horner, Lewisburg, Pickens, Terra Alta, and White Sulphur Springs, 18th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.09	85	75	84	123.9	41	6,975	9.4	36	w.	27
Columbus, Ohio	30.06	81	74	78	91.4	30	8,591	11.5	52	nw.	28
Elkins	30.11	84	68	77	106.1	35	4,908	6.6	39	sw.	28
Lexington, Ky	30.12	89	81	....	104.9	34	11,200	15.1	54	w.	27
Parkersburg	30.09	80	67	76	77.4	26	4,567	6.1	44	nw.	28
Pittsburgh, Pa	30.06	76	71	74	86.9	29	9,896	13.3	52	w.	28
Wytheville, Va	30.08	81	64	72	127.0	41	6,454	8.7	38	w.	28

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	31.7	.....	.....	3.64	.....	.....	.....	.....	.....	.....
1892	29.4	76	− 3	3.15	.....	.....	.....	.....	.....	.....
1893	22.6	71	−25	2.49	.....	.....	.....	7	7	17
1894	36.6	70	− 8	2.41	4.23	0.83	.....	12	8	11
1895	25.0	69	−21	4.48	6.53	2.37	.....	6	9	16
1896	32.4	72	− 6	1.57	2.72	0.67	1.8	9	14	8
1897	28.8	69	−18	1.70	2.85	0.90	4.0	10	7	14
1898	37.1	75	− 5	5.10	8.04	2.24	5.0	6	9	16
1899	32.1	70	−21	4.05	7.01	2.05	7.5	10	7	14
1900	34.5	74	−10	2.24	3.60	0.82	1.9	9	8	14
1901	33.6	69	− 4	2.41	3.87	1.18	7.3	8	7	16
1902	30.2	64	− 1	3.65	8.52	1.45	9.8	9	7	15
1903	31.8	79	− 7	3.21	6.45	1.55	8.6	8	7	16
1904	27.5	72	−18	2.72	5.82	1.24	10.8	9	8	14
1905	26.4	70	−14	3.15	7.43	1.48	22.0	7	7	17
1906	38.2	80	− 5	3.79	8.70	1.36	5.1	11	7	13
1907	38.7	76	−15	6.41	11.54	2.35	5.6	6	7	18
1908	31.0	62	−16	2.92	8.19	0.50	12.8	12	7	12
1909	36.8	76	− 5	3.41	6.59	1.50	8.7	8	6	17
1910	32.0	67	− 5	5.68	10.10	2.52	15.4	6	6	19
1911	37.3	71	− 5	5.86	12.63	3.11	7.0	8	6	17
1912	23.5	66	−34	2.60	6.93	1.10	13.6	7	8	16
1913	40.7	74	9	6.23	10.53	1.84	5.7	9	6	16
1914	35.8	83	−11	3.18	5.65	1.55	15.6	7	6	18
1915	31.7	68	− 8	4.85	11.38	2.00	10.4	8	6	17
1916	38.8	79	−10	4.86	8.52	1.70	6.1	11	7	13
1917	33.2	77	− 9	4.66	7.67	1.72	8.3	11	6	14
1918	20.7	55	−27	4.24	9.22	2.00	21.5	8	5	18
1919	34.1	69	−16	3.79	6.66	1.60	6.9	16	4	11
1920	28.7	77	−11	4.12	7.26	0.40	3.9	8	6	17
1921	35.5	71	− 2	2.76	5.94	0.10	4.3	11	6	14
1922	30.2	68	−15	2.75	4.81	1.01	10.8	12	6	13
1923	35.2	68	− 1	4.46	7.60	1.13	4.4	7	5	19
1924	30.1	70	−15	4.62	7.14	0.62	1.8	13	5	13
1925	31.1	65	−27	3.81	7.07	1.32	15.8	11	4	16
1926	29.7	66	−23	3.71	7.74	1.78	13.3	8	5	18
Means and extremes	32.0	83	−34	3.74	12.63	0.10	8.9	9	7	15

Climatological Data for January, 1926

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	25	29.3	+1.3	57	18	-8	29	44	4.83	-0.37	1.14	22.5	12	8	3	20	sw.	U. G. Clark
Brandywine	Pendleton	1,586	10	26.8	-3.0	57	20†	-6	11	43	2.40	-0.05	......	11.0	7	15	6	10	n.	Elmer Keister
Harpers Ferry	Jefferson	244	37	......	......	......	......	......	......	......	2.13	-0.58	0.91	6.0	6	......	......	......	......	J. C. Newcomer
Martinsburg	Berkeley	435	34	30.8^{a}	+0.3	62^{a}	20	2	11	38^{a}	2.21	-0.38	0.77	4.0	8	24	2	5	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	30	32.6	+0.7	66	20	-10	11	45	1.78	-0.77	0.64	15.4	8	25	0	6	......	M. S. Henkel
Piedmont	Mineral	1,053	13	30.0	+0.3	62	5	-3	29	42	1.81	-0.89	0.43	12.8	8	10	7	14	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	28	29.2^{a}	-1.7	63^{a}	4†	-1	29	54^{a}	2.98	+0.25	0.80	......	5	6	6	19	......	George E. Bergdoll
Stony River Dam	Grant	3,300	6	......	......	......	......	......	......	......	3.57	......	1.18	21.5	11	3	6	22	w.	A. C. Becker
Upper Tract	Pendleton	1,230	27	30.2^{g}	-3.1	62^{f}	21	-3^{g}	29	40^{g}	2.38	-0.17	0.96	21.0	6	10^{h}	0^{h}	13^{h}	n.	J. M. Mallow
Wardensville	Hardy	1,200	8	27.0^{a}	......	64^{a}	5	-11	11†	49^{a}	2.46	......	0.80	10.5	8	11^{e}	7^{e}	8^{e}	ne.	Luther F. Sutton
Averages and	**extremes**	......	......	29.5	-0.7	66	20	-11	11†	54	2.66	-0.37	1.18	13.9	8	13	5	13	nw.	
Northern Division																				
Aberdeen	Upshur	1,060	2	......	......	......	......	......	......	......	3.88	......	1.52	9.5	14	4	12	15	nw.	L. Else Bond
Bens Run	Pleasants	652	24	30.0	-2.1	59	5	-8	29	40	3.50	-0.91	0.80	20.0	9	15	6	10	......	J. D. Riggs
Benson	Harrison	1,080	3	31.6^{k}	......	62^{k}	18	-21	29	48^{k}	3.02	......	0.71	12.0	15	7	12	12	......	R. D. Marts
Brownsville	Lewis	1,032	3	32.4	......	62	18†	-12	29	50	3.42	......	0.82	15.9	12	7	3	21	......	S. L. Montgomery
Bruceton Mills	Preston	1,549	6	......	......	......	......	......	......	......	4.94	-0.32	1.00	20.1	17	3	7	21	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	29	30.8	-0.9	62	18	-12	29	41	4.77	+0.26	1.02	11.0	12	5	2	24	......	H. A. Darnall
Cairo	Ritchie	680	27	28.2	-6.7	58	5	-16	29	48	3.77	-0.78	1.25	13.0	10	7	4	20	......	O. C. Hess
Clarksburg	Harrison	1,015	4	28.0^{a}	......	63^{a}	18	-13	29	56^{a}	3.00	......	1.30	11.2	12	6	9	16	nw.	Clarksburg Water Boar
Cortland	Tucker	3,300	15	......	......	......	......	......	......	......	6.51	+1.70	1.35	27.0	8	5	16	10	......	G. W. Harmon
Crawford	Lewis	1,107	3	......	......	......	......	......	......	......	4.33	......	1.70	11.0	15	7	6	18	......	George W. Blair
Creston	Wirt	640	24	30.2	-3.2	60	5	-11	29	49	4.18	+0.33	1.65	13.3	12	7	0	24	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	5	......	......	......	......	......	......	......	2.94	......	1.54	12.0	11	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	10	......	......	......	......	......	......	......	2.01	......	0.95	......	8	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	10	......	......	......	......	......	......	......	2.54	......	0.75	......	14	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	5	......	......	......	......	......	......	......	2.78	......	1.38	......	12	......	......	......	......	Lockmaster
Davis	Tucker	3,093	17	......	......	......	......	......	......	......	5.46	-0.36	1.43	21.6	16	6	6	19	......	Ross C. Male
Elizabeth [Dam 3 L. K.]	Wirt	615	14	......	......	......	......	......	......	......	3.41	-1.21	0.88	15.0	12	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	25	30.0	-0.4	60	18	-13	29	56	4.20	+0.86	1.67	11.5	18	5	5	21	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	1	......	......	......	......	......	......	......	4.61	......	0.83	18.0	17	3	8	20	n.	Claude A. Cunningham
Fairmont	Marion	883	20	27.8	-4.9	59	5	-10	29	58	3.06	-0.92	1.26	11.2	13	15	3	13	w.	Creed E. Bolyard
Glenville	Gilmer	738	32	31.4	-1.7	64	21	-6	29	43	3.80	-0.55	1.58	13.2	12	7	6	18	w.	Howard R. Brannon
Grafton (near)	Taylor	1,000	33	30.4^{a}	-2.0	66^{a}	17	-17	28	54^{a}	2.96	-1.30	1.34	......	12	9	6	16	w.	Curtis Boice
Horner	Lewis	1,044	3	......	......	......	......	......	......	......	4.56	......	1.62	9.7	15	7	4	20	......	Thomas E. Miles
Horton	Randolph	2,840	1	......	......	......	......	......	......	......	5.58	......	0.97	39.9	12	5	2	24	sw.	J. W. White
Janelew (near)	Lewis	1,020	3	32.0	......	65	18	-15	29	55	3.42	......	1.45	11.0	12	12	2	17	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	28	28.8	-3.9	61	18	-20	29	55	3.18	-0.88	0.68	9.5	11	6	4	21	w.	Allen Smith
Mannington	Marion	985	23	28.7	-2.5	59	5	-23	29	49	3.23	-1.38	1.45	12.8	17	5	5	21	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	33	31.8	-0.1	59	5†	-8	29	35	2.88	-0.99	......	3.5	8	4	2	25	w.	Prof. E. L. Andrews
Moundsville	Marshall	689	23	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Fred N. Wilson
New Cumberland	Hancock	671	28	25.7	-2.5	54	5	-7	29	59	1.88	-0.88	0.66	12.0	8	6	3	22	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	32	29.6	-3.2	61	5	-15	29	49	3.55	-0.21	0.90	12.0	9	8	6	17	s.	Wm. Ankrom
Parkersburg	Wood	638	39	31.1	-1.4	60	5	-5	29	36	3.71	+0.52	1.68	18.4	14	6	6	19	sw.	U. S. Weather Bureau
Parsons ††	Tucker	1,649	26	29.8	-1.5	55	5	-13	28	54	4.25	-0.52	1.40	9.0	8	7	4	20	......	J. W. Swisher
Philippi	Barbour	1,550	29	31.2	-1.7	63	18	-11	29	45	3.57	-0.76	0.93	9.0	14	8	4	19	w.	Prof. W. B. Pimm
Pickens	Randolph	2,697	23	27.5	-3.8	57	5	-17	29	56	7.74	+1.07	1.45	37.0	14	7	3	21	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	3	......	......	......	......	......	......	......	3.97	......	1.68	15.5	16	8	7	16	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	39	......	......	......	......	......	......	......	4.25	-0.25	1.25	......	15	......	......	......	......	J. F. Pierce
Saint Marys	Pleasants	577	17	......	......	......	......	......	......	......	3.84	-0.72	1.35	15.5	12	......	......	......	w.	Wm. Hughes
Smithfield	Wetzel	850	20	24.3	-6.3	51	4	-18	29	38	2.10	-2.73	0.55	8.0	7	12	9	10	......	G. M. Whisler
Terra Alta	Preston	2,559	25	25.5	-2.3	53	18	-10	29	39	4.36	-0.94	1.53	9.4	17	4	1	26	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	3	32.1	......	65	5	-22	29	57	3.40	......	0.90	10.5	14	13	3	15	w.	J. C. Campbell
Vandalia	Lewis	1,120	3	......	......	......	......	......	......	......	3.21	......	0.72	......	8	......	......	......	......	Miss Phyllis West
Wellsburg	Brooke	668	25	27.4	-2.3	55	5	-13	29	45	2.51	-0.93	0.86	11.8	11	6	7	18	......	George P. Pfister
West Milford	Harrison	979	1	......	......	......	......	......	......	......	3.72	......	0.78	......	10	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	30	31.0^{b}	-2.4	65^{b}	18	-9^{b}	29	44^{b}	2.12	-2.05	0.80	4.0	8	9	5	17	......	Weston State Hospital
Wheeling	Ohio	645	39	25.9^{a}	-0.7	58^{a}	5	-10	29	60^{a}	2.12	-1.03	0.95	19.1	12	7	6	18	sw.	Miss M. B. Forsyth
Averages and	**extremes**	......	......	29.4	-2.6	66	17	-23	29	60	3.68	-0.57	1.70	14.5	12	7	5	19	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	......	......	......	......	......	......	......	......	3.97	......	1.12	12.5	14	11	2	18	sw.	H. S. Sutton
Bancroft	Putnam	574	22	29.7	-4.7	64	20	2	29	56	3.92	-0.48	1.30	10.0	10	22	0	9	ne.	R. E. Dent
Beckley	Raleigh	2,440	26	30.2	-3.0	59	5	-6	29	46	5.00	+1.08	1.18	3.2	8	5	9	17	w.	K. E. Williams
Camden-on-Gauley	Webster	2,029	11	......	......	......	......	......	......	......	3.40	......	1.30	......	3	1	0	30	n.	Miss Katie Jarvis
Charleston	Kanawha	600	23	32.4^{a}	-6.1	64^{a}	4†	2	28†	60^{a}	4.32	+0.67	1.84	10.0	9	13	0	18	......	R. O. Fields
Clay	Clay	706	10	......	......	......	......	......	......	......	4.88	......	2.03	......	16	......	......	......	......	Ted Thomas
Dam 6 G. K.	Kanawha	598	......	......	......	......	......	......	......	......	3.11	......	1.41	......	9	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	10	......	......	......	......	......	......	......	2.95	......	1.20	13.5	10	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	10	......	......	......	......	......	......	......	3.30	......	1.46	......	13	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	10	......	......	......	......	......	......	......	3.03	......	1.20	......	9	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	10	32.3	......	65	5†	8	11	45	3.66	......	1.15	......	10	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	29	33.7^{b}	-0.5	60^{b}	5	10^{b}	13†	32^{c}	4.20	+0.99	1.48	......	8	3^{b}	3^{b}	23^{b}	......	Mrs. J. R. Baber
Huntington	Cabell	538	32	30.8	-2.0	58	5†	6	29†	47	4.08	+0.18	2.10	10.3	12	10	2	19	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	7	......	......	......	......	......	......	......	4.05	......	1.93	......	8	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	10	......	......	......	......	......	......	......	5.80	......	2.03	25.0	17	......	......	......	......	Cabin Creek Con. Coal
Kermit	Mingo	579	0	......	......	......	......	......	......	......	5.40	......	1.90	11.8	9	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	26	30.2	-1.7	57	20	-4	29	38	3.98	+0.45	0.86	5.5	9	8	9	14	nw.	Geo. T. Argabate
Logan	Logan	700	23	......	......	......	......	......	......	......	5.16	+0.38	1.34	......	13	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	27	24.3	-3.9	54	5	-16	29	44	4.93	+0.86	1.23	11.5	15	6	10	15	sw.	S. L. Brown
Organ Cave	Greenbrier	......	0	......	......	......	......	......	......	......	3.17	......	0.70	8.0	11	6	8	17	w.	J. J. Hedrick
Point Pleasant	Mason	595	33	32.2	-1.4	61	6	-6	29	41	3.01	-0.87	1.00	10.0	10	17	1	13	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	11	31.4	......	60	5	2	13†	41	3.18	......	1.10	10.0	8	4	0	27	nw.	Lockmaster
Robertsburg	Putnam	570	26	27.4	-6.0	62	20	-3	13	53	3.59	-0.41	1.35	10.0	10	9	0	22	......	M. Frazier
Ryan	Roane	709	23	28.1	-5.2	60	20	-5	13†	49	3.88	-0.34	1.08	11.1	17	8	4	19	......	Wm. E. Ryan
Sharples	Logan	......	6	......	......	......	......	......	......	......	3.80	......	1.86	......	11	......	......	......	......	F. H. Locke
Sissonville	Kanawha	625	......	......	......	......	......	......	......	......	3.51	......	......	......	9	......	......	......	......	J. N. Johnson
Spencer	Roane	789	22	30.2	-3.4	62	20	-5	29	53	3.73	-0.67	0.81	15.0	10	0	9	22	......	A. M. McKown
Sutton	Braxton	850	20	30.9	-2.7	60	5†	-8	29	51	5.17	+0.15	1.80	12.5	10	15	0	16	......	C. B. Eakle
Union ^{c}	Monroe	2,250	22	30.2	-2.4	62	22	-1	29	47	4.61	+1.00	1.06	7.0	12	6	11	9	......	W. M. H. Young
Wayne	Wayne	598	......	......	......	......	......	......	......	......	4.10	......	2.24	......	12	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	16	29.4^{a}	-2.5	60^{a}	17	0	28	45^{a}	5.52	+2.94	1.70	7.2	13	12	7	12	......	H. E. Green
Williamson	Mingo	673	26	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	H. C. Mohler
Averages and	**extremes**	......	......	30.2	-3.2	65	5†	-16	29	60	4.08	+0.37	2.24	10.7	11	9	4	18	w.	
State averages and	**extremes**	......	......	29.7	-2.5	66	17†	-23	29	60	3.71	-0.25	2.24	13.3	11	8	5	18	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for January, 1926

Stations	Drainage basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac				.19	.43	T.		.04	1.04	.14	T.	.07		T.	.07		T.	T.	1.11			1.14			T.		.19	.31	T.		.07	4.83
Brandywine	do								*	.70								*	.65							.10		T.	.30			.65	2.40
Burlington	do																																
Harpers Ferry ‖	do				.05					.91									.30	.35			.50				T.					.02	2.13
Inwood	do																																
Martinsburg‖	do				.03	.04				.50									.32	.45			.57				T.		.10			.20	2.21
Moorefield	do								.56	.64			.01						.35	.05			.01			T.		.02	T.			.14	1.78
Piedmont	do				.07	.04			.33	.28								.01	.43			.39						T.				.26	1.81
Romney ‖	do								.68									.60				.80									.40	.50	2.98
Stony River Dam‖	do					.42			.08	.80	.08		.08		.08								1.18			.04		.08	.40			.33	3.57
Upper Tract	do								.56	.96									.10			.10				.16	T.					.50	2.38
Wardensville‖	do				T.	T.			.08	.72					.04				.28	.51		T.	.60	.11		T.	T.		T.			.12	2.46
Northern Division																																	
Aberdeen	Monongahela				.04	.23			.16	.11	T.		T.	T.	.02			.02	.90	.06		.56	.96			T.	.02	.34	.13			.33	3.88
Bens Run	Ohio			T.	.10	.35			.48					.16					.47			.80	.55					.16				.43	3.50
Benson	Monongahela			T.	.05	.11			.16	.12	T.	T.	T.	.02	.02			.03	.53	.07		.66	.71				.01	.21	.12			.20	3.02
Brownsville	do				T.	.28			.10	.11	T.	T.	T.	.04	.02	T.		T.	.82	.10	T.	.70	.67					.22	.09			.27	3.42
Bruceton Mills	do					.10	T.	T.	.04	.24	.04	T.	.07	.02	.16	.08	.08	T.	.95	.28		1.00	.40		T.		.04	.16	.32		.96		4.94
Buckhannon	do								.20	.10			T.	.10	.05			.35	1.02	.20		.95	.65				.05	.40				.70	4.77
Cairo	Little Kanawha			T.	.28	T.			.50	T.	T.	T.	T.	.06				.02	.50			1.25	.44		T.			.30	.05			.37	3.77
Cheat Bridge ‖	Monongahela																																
Clarksburg ‖	do				.08	.09			.02	.32	T.	T.	T.	T.	.08				.08	.49		.16	1.14					.32	.15			.07	3.00
Cortland ‖	do			.70				.48				.72						.60				1.35					.96				.75	.95	6.51
Crawford	Little Kanawha				.12	.37			.26	.12	.02			.05				.06	.97	.05		.88	.82			.27	.03	.11				.20	4.33
Creston ‖	Monongahela				.04	.12			.07	.50	T.	T.	T.	T.	.10				.40	.52		.22	1.65					.30	.10			.16	4.18
Dam 10, Mon. R. ‖	Ohio				.07	.19				.20					.05				.09	.42		.06	1.48				.14		.19			.05	2.94
Dam 12, O. R. ‖	do				.03	.08					.36								.18	.35			.95					.03	.03				2.01
Dam 13, O. R. ‖	Monongahela				.03	.08	.01			.48	.08		.02		.05	.02		.15		.35		.02	.75					.28	.22				2.54
Dam 15, Mon. R. ‖	do				.05	.18				.21		.03			.02				.16	.45		.06	1.32					.22	.06			.02	2.78
Davis ‖	do				.11	.49		.01	T.	.32	.24	T.	.08	T.	.26	T.			.58	.83	.03		1.43		T.	.02	.04	.32	.34			.36	5.46
Elizabeth (near) ‖	Little Kanawha				.07		.10		.48	.16	.08								.60	.14		.33	.88				.40	.08				.09	3.41
Elkins ***	Monongahela			T.	.34	.07	T.		.24	.07	T.	.01	.01	.06	.02	T.		.20	.83	.03		1.51	.16		T.	.02	.15	.28	.03			.17	4.20
Evenwood	do			T.	.10	.18	T.		.32	.19	.05		T.	.03	.06	.02		.10	.63	.36		.83	.55		T.		.05	.32	.40			.42	4.61
Fairmont ‖	do				.15	.17		T.	T.	.15	.06	.02	.01	T.	.01	T.			.20	.50	T.	.25	1.26	T.				.20	.08			T.	3.06
Glenville ‖	Little Kanawha				.12	.16			.10	.62	.04			T.	.06				.22	.66		.08	1.50				.02	.22					3.80
Grafton (near) ‖	Monongahela			.14	.12				T.	.04	.03	.08		.02				.20	.55		.23	1.11						.04				.40	2.96
Horner	do				.10	.30			.29	.14	.02	.02		.01	.04				1.20	.12		.67	.95					.28	.07			.35	4.56
Horton	Monongahela					.07			.60	.84					.04			.17	.40	.07		.36	.46					.64	.96			.97	5.58
Janelew (near)	do				.08	.20			.20	.20								.05	.50	.10		.65	.80					.25	.09			.30	3.42
Lost Creek	do			T.	.10	.13			.20	.04	T.	T.	T.	T.	.03			.03	.52	T.		.68	.48			T.	T.	.35	T.			.62	3.18
Mannington	do				.08	.21			.12	.10	.05	.01	.03	.02	.02				.39	.04		.80	.65				.02	.21	.15			.33	3.23
Morgantown	do				.18				.04	.24				T.					.11	.42		*	1.54					T.				.35	2.88
Moundsville‖	Ohio																																
New Cumberland‖	do				.02	.16				.40	.16								.30	.36		T.	.40					.08					1.88
New Martinsville	do				.25	.40			.20	.10		T.	T.						.90			.70	.50					.20				.30	3.55
Parkersburg ***	do			T.	.10	.10			.41	.06	T.	T.	.03	.05		T.		.09	.30	.01	T.	1.56	.13		T.		.10	.23	T.			.54	3.71
Parsons	Monongahela				1.40				.24	.08		T.		T.				*	*	1.35						T.	.40	T.				.78	4.25
Philippi	do				T.		.20		.10	.16	.04		.02	.04	.03			.05	.93	.03		.80	.55			T.	T.	.24	T.			.38	3.57
Pickens	do							.40	.24	.16			.24	.16	.24	T.		.88	1.09			1.45	.16			.08	.16	.64	.48			1.36	7.74
Roanoke	do				.05	.25			.18	.16	T.		.03	.03	.02			.30	.50	.17		.78	.90			T.	.02	.21	.08			.29	3.97
Rowlesburg ‖	do				.30	.45				.15	.04	.02		.04	.04				.22	1.20			1.25	.09	T.	.02		.12	.25			.06	4.25
Saint Marys ‖	Ohio				.06	.31			T.	.40			T.	T.	.02				.35	.32		.28	1.35	.40				.15	.15			.05	3.84
Smithfield‖	Fishing Creek				.04				T.	.27								.38	.55			.41	.27					.18					2.10
Terra Alta	Monongahela				.22	.36	T.	T.	.02	.06	.01	T.	.03	T.	.03	.01	T.	.01	1.52	.22		.62	.60		T.	.01	.02	.01	T.			.61	4.36
Valley Chapel	do					.20			.24	.16				.04	.08			.01	.64			.90	.48				.02	.20		.13	.02	.28	3.40
Vandalia	do					.20				.10								.64	.30									.25	.30	.70		.72	3.21
Wellsburg	Ohio				T.	.08			.13	.27	T.	T.		T.	T.	T.		.12	.35	.07	T.	.46	.42		T.		T.	.05	.10			.46	2.51
West Milford	Monongahela				.15	.04			.30						.34				.60	.06		.65		.78				.45				.35	3.72
Weston	do					.20				.15		.08							.80	.11		.70		.04			.04						2.12
Wheeling‖	Ohio				.03	.08			T.	.30	.02	T.	.02	T.	.01	T.	T.		.17	.35		T.	.95	T.	T.	T.	.07	.07	.05			T.	2.12
Southern Division																																	
rbovale	Great Kanawha				.13	.08			.60		.04	T.	.08	T.				.10	1.12	.06		.65	.35			.04	T.	.16	.08			.48	3.97
ancroft ‖	do				.05	.05			.16	.40	T.								.98	.40		.22	1.30					.16				.20	3.92
eckley	do				.53				.27	.02								.85	.39			1.18	1.03									.73	5.00
luefield	do																																
amden-on-Gauley‖	do			T.								T.						1.00	1.10			1.30		T.						T.	T.	T.	3.40
harleston ‖	do				.06	.44			.24	.16									.64	.36			1.84					.12				.46	4.32
lay ‖	do				.05	.40	.01		.20	.32			.03	.01	.05				.66	.67		.10	1.93			.06		.19	.12			.08	4.88
am 6 G. K. ‖	do				.04				*	*									.68	.36	.28		1.41					.16				.18	3.11
am 19 O. R. ‖	Ohio				.03	.21			T.	.50	T.	T.	T.	T.	.04				.21	.28	.01	.21	1.20					.26	T.				2.95
am 20 O. R. ‖	do				.03	.17			.05	.31	.08		.02						.30	.22		.36	1.46					.11	.16			.03	3.30
am 26 O. R. ‖	do					.18			.05	.35					.10				.65	.15		.30	1.20									.05	3.03
ary‖	Big Sandy				.27	.11			.40	T.		.30	T.						.50	.16		.25	1.15	T.		T.		T.	.35			.17	3.66
reen Sulphur Spgs.	do																																
inton ‖	do				.32	.09			.40	T.									.93	.18		.30	1.18	T.				T.	T.			.80	4.20
untington ‖	Ohio				.10	.16			.08	.34	T.				.05				.78	.18		.32	1.78					.12	.03			.14	4.08
anawha Falls‖	Great Kanawha				.20				.20	.16									.75	.53		.08	1.93									.20	4.05
ayford‖	do				.03	.16			.27	.44	.07		.68	.02	.06			.68	.47			T.	2.03	.03		.02	.01	.45	.08			.30	5.80
rmit ‖	Big Sandy				.02				.30	.50			.38						.60	.98		.70	1.22									.70	5.40
wisburg	Great Kanawha				.25				.32					T.				.40	.86	.09		.79	.39				.12	T.				.76	3.98
gan ‖	Guyandotte				T.	.50			.32	.27	.06		.08					1.12	.18	.33		.40	1.34	T.				.33	.08			.15	5.16
rlinton	Great Kanawha			T.	.28	.22	.04		.50	.20	T.		.05	T.				.08	1.23			.96	.19			.05	.05	.10	.20			.78	4.93
gan Cave	do			.10	.20				.32	.08								.30	.70	.08		.65			.08		T.	.16				.50	3.17
int Pleasant ‖	Ohio					.11			.10	.46	T								.68	.10		.30	1.00	T.				.10	.08			.08	3.01
wellton	Great Kanawha				.22				.40									.50	.32	.42		1.50											‡‡‡
venswood (Dam 22	Ohio				.07	.15			T.	.48				T.	T.				.70	.30		.30	1.10				T.	.08				T	3.18
bertsburg ‖	Great Kanawha				.02	.07			.17	.33									.76	.32		.31	1.35					.08				.18	3.59
an	do				.05		.12		.45	.09	.04	.01	.05	.07	.03			.56		.05		1.08	.46			T.	.13	.07	.04			.58	3.88
arples‖	Coal River					.21			.08	.10	.09						*	*	.76	.45		.32	1.54						.25				3.80
sonville‖	Great Kanawha				.24		T.		.70									*	*	.47		*	1.52					*	.58				3.51
ncer ‖	do					.26			.16	.32						T.		T.	.81	.40		.64	.24		.40			.32				.18	3.73
ton	do				.10			T.	.36	.08	T.	T.	.08	T.				.30	1.35	T.		1.80				.16	T.	.32				.62	5.17
ion	do				.32		.05		1.00	.44		.60	.08	.04					1.06	.05		.63	.26			T.		.08					4.61
yne‖	Big Sandy					.12			.11	.21	.01				.08				.82	.24		.28	1.96					.12	.08			.07	4.10
ite Sulpr. Spgs.‖	Great Kanawha			.01	.45	.02		.42	.30									1.70	.15		.60	.50					.02	.40			.70	.25	5.52
liamson ‖	Big Sandy																																

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ‡‡‡ Probably incomplete.

Daily Temperatures for January, 1926

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	38	38	50	51	55	53	28	23	25	23	33	32	27	33	33	46	42	57	48	54	54	47	49	44	35	37	32	31	36	53	46	40.4
	Minimum	19	25	27	34	38	28	22	14	15	18	20	15	11	12	24	2	9	34	35	25	27	8	8	11	5	20	24	2	−8	11	28	18.2
Brandywine	Maximum	30	38	35	40	52	47	34	30	28	30	32	32	28	28	30	43	43	53	55	57	57	46	32	32	27	33	33	30	25	42	42	37.5
	Minimum	6	10	12	16	36	34	10	18	20	16	−6	25	−2	0	15	0	20	35	38	27	26	24	9	17	18	7	15	10	−5	20	32	16.2
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Martinsburg§	Maximum	51	53	58	42	52	52	37	28	36	36	40	35	35	38	42	44	38	55	58	62	47	26	37	36	26	38	43	24	32	38	....	41.3
	Minimum	21	31	36	35	35	35	32	22	20	22	2	4	8	8	20	17	16	17	35	29	29	22	15	17	18	15	16	22	3	5	20	20.2
Moorfield	Maximum	56	59	52	51	65	62	52	34	39	39	35	38	34	38	44	42	40	45	57	66	61	46	37	38	39	40	40	39	37	52	50	46.0
	Minimum	11	24	24	38	34	39	31	19	19	24	−10	12	4	17	10	4	10	32	35	25	29	20	11	21	18	10	29	9	−1	16	32	19.2
Piedmont	Maximum	44	44	52	44	62	56	35	25	31	28	39	36	29	31	38	38	33	46	48	60	45	32	18	28	26	34	34	20	29	56	42	38.2
	Minimum	25	32	30	35	38	35	25	18	20	24	25	20	15	18	26	14	15	32	32	28	32	10	10	18	18	16	20	4	−3	14	32	21.9
Romney	Maximum	51	53	50	63	60	37	35	21	34	32	42	32	32	38	38	43	37	49	53	63	42	23	34	33	26	35	40	19	35	55	....	40.2
	Minimum	21	35	29	36	36	35	30	17	18	19	3	3	9	10	18	10	10	29	32	23	26	17	13	20	16	10	11	15	−1	1	15	18.3
Upper Tract	Maximum	50	50	51	....	61	59	38	35	35	....	39	36	32	32	33	35	38	47	50	61	62	....	33	27	28	....	....	25	37	....	33	41.1
	Minimum	19	20	26	....	38	36	30	29	18	....	1	24	3	8	21	5	....	15	27	32	31	....	13	22	16	....	....	11	−3	....	28	19.2
Wardensville§	Maximum	45	50	52	55	64	55	30	25	30	39	38	35	38	36	39	42	43	50	58	53	61	20	31	34	27	39	37	16	25	32	....	40.0
	Minimum	11	24	26	29	24	33	30	15	16	14	−11	−11	−4	−3	−1	6	6	27	28	22	27	17	9	13	15	10	19	12	−3	8	24	13.9
Northern Division																																	
Bens Run	Maximum	40	45	42	48	59	53	38	29	28	32	37	36	27	30	36	46	40	51	47	55	50	37	22	30	34	32	33	30	32	50	43	39.1
	Minimum	19	28	21	37	41	34	28	25	23	25	24	18	5	5	26	10	23	35	38	29	33	8	3	16	14	11	28	6	−8	16	28	20.9
Buckhannon	Maximum	40	42	43	48	54	53	34	34	34	31	36	34	30	31	36	45	46	62	46	55	47	43	22	20	30	37	35	36	29	45	51	39.6
	Minimum	15	26	22	32	40	33	27	24	31	22	25	20	13	17	30	11	21	40	37	28	33	12	9	17	18	14	28	7	−12	15	28	22.0
Cairo	Maximum	33	43	43	48	58	46	40	30	28	31	38	35	28	25	36	44	45	53	43	56	46	33	21	31	33	31	35	37	32	50	45	38.6
	Minimum	7	23	15	32	41	35	29	23	25	24	13	1	−1	14	16	3	25	39	37	27	31	7	−6	4	17	14	30	8	−16	8	26	17.8
Clarksburg	Maximum	42	45	48	55	60	39	32	29	29	31	38	24	29	36	36	53	43	63	43	58	46	19	25	29	32	34	37	16	32	59	....	38.7
	Minimum	6	25	20	22	40	33	31	23	24	24	24	19	8	16	18	8	8	28	39	26	27	15	5	7	16	12	13	12	−13	−7	11	17.4
Creston	Maximum	44	46	42	49	60	56	37	30	29	30	38	36	29	32	39	49	40	54	48	59	54	44	25	31	33	33	36	39	38	58	43	41.3
	Minimum	9	18	16	36	40	35	30	22	25	24	9	20	6	10	12	4	19	36	40	27	33	11	1	10	17	10	30	10	−11	12	28	19.0
Elkins	Maximum	42	42	47	52	56	52	30	28	27	24	35	30	28	38	36	49	45	60	46	57	46	30	22	27	29	36	36	36	43	51	48	39.6
	Minimum	14	27	22	40	46	30	25	20	22	21	23	16	10	14	25	10	21	37	30	26	30	9	6	18	17	18	26	−1	−13	13	33	20.5
Fairmont§	Maximum	39	44	47	52	59	37	37	28	27	27	36	23	22	33	34	45	52	52	41	57	45	18	23	28	30	30	34	30	30	50	43	37.2
	Minimum	12	24	24	28	44	36	28	22	21	21	23	18	13	17	17	14	16	30	38	27	29	13	7	8	13	11	13	8	−10	−8	17	18.5
Glenville	Maximum	42	41	43	48	57	54	43	32	29	31	38	37	28	33	36	43	40	50	56	57	64	55	23	31	37	38	39	31	37	50	47	41.6
	Minimum	11	21	17	36	43	36	31	24	28	25	21	21	5	19	19	7	20	35	40	28	32	14	8	11	19	11	29	12	−6	13	28	21.2
Grafton (near)	Maximum	47	48	58	63	37	35	29	29	32	40	28	31	36	36	55	57	66	43	62	50	40	28	29	32	37	37	17	37	55	49	....	41.4
	Minimum	27	18	27	42	35	28	22	21	22	22	18	12	16	19	8	19	29	37	22	25	18	2	8	12	10	23	10	−17	8	28	32	19.5
Lost Creek	Maximum	40	45	48	52	58	54	34	27	29	28	37	33	26	28	35	50	40	61	46	58	53	44	22	27	28	32	30	35	35	56	46	39.9
	Minimum	17	23	16	35	42	32	27	20	20	21	24	16	5	15	25	3	15	34	36	20	28	10	1	6	12	7	26	5	−20	7	25	17.8
Mannington	Maximum	39	42	46	50	59	56	35	29	28	28	37	34	28	27	36	44	40	52	47	56	51	37	22	29	33	33	32	36	26	52	42	38.9
	Minimum	12	22	19	36	40	34	28	22	23	24	26	18	6	17	22	6	17	34	38	25	31	11	0	14	7	5	27	6	−23	3	23	18.5
Morgantown	Maximum	38	44	50	52	59	56	35	27	28	27	37	35	29	29	35	47	47	59	47	57	52	36	27	28	32	34	33	37	27	51	49	40.1
	Minimum	23	28	28	44	50	33	23	20	21	22	24	16	14	16	29	23	34	43	38	34	34	23	6	15	10	11	26	2	−8	24	26	23.6
New Cumberland§	Maximum	40	34	40	49	54	36	28	29	29	33	36	18	26	35	34	42	46	47	46	45	40	15	24	24	30	31	35	9	35	53	39	34.9
	Minimum	22	24	20	21	21	34	27	18	20	25	24	14	7	8	10	8	11	23	35	35	36	9	5	6	5	10	14	7	−7	−6	27	16.5
New Martinsville	Maximum	42	47	45	51	61	57	50	32	30	31	38	36	27	30	38	50	47	54	50	54	50	38	30	30	38	35	35	38	34	44	42	41.4
	Minimum	14	22	17	33	38	32	25	20	22	22	22	15	5	12	25	6	18	32	35	27	31	7	1	12	8	7	25	3	−15	9	25	17.9
Parkersburg	Maximum	40	46	44	54	60	51	35	27	29	32	36	30	29	33	36	45	45	55	43	55	48	26	23	30	33	32	37	38	31	55	42	39.4
	Minimum	26	30	24	41	49	35	24	22	25	25	22	8	6	16	23	13	27	40	39	32	26	10	8	18	18	14	30	4	−5	23	33	22.8
Parsons	Maximum	44	48	49	49	55	46	34	28	26	24	37	33	30	34	34	44	34	44	44	46	42	34	25	30	37	32	32	41	49	44	44	38.5
	Minimum	12	20	25	45	45	28	25	25	22	20	23	22	15	15	15	9	28	34	36	25	34	7	9	17	17	30	−2	−13	0	32	38	21.2
Philippi	Maximum	40	43	58	53	59	53	33	30	28	27	35	32	27	28	36	53	48	63	46	57	51	39	22	26	29	34	31	35	34	55	48	40.4
	Minimum	18	26	27	43	48	32	24	20	20	20	23	15	12	8	26	16	30	40	36	29	38	8	5	14	15	15	25	3	−11	23	35	22.0
Pickens	Maximum	38	37	41	51	57	43	33	21	22	25	32	24	26	33	34	49	54	48	44	54	52	35	23	32	35	32	29	32	39	56	50	38.1
	Minimum	11	21	18	39	39	31	17	16	14	12	16	12	−2	7	21	7	24	38	28	31	31	−3	12	12	13	17	21	−5	−17	10	34	16.9
Terra Alta	Maximum	31	33	44	44	52	49	26	20	20	19	28	28	22	23	27	43	43	53	39	49	47	42	15	18	21	29	26	21	29	46	45	33.3
	Minimum	17	24	23	34	37	26	19	13	13	16	18	12	9	9	21	9	17	36	32	27	30	5	2	11	7	19	19	−1	−10	23	32	17.7
Wellsburg	Maximum	39	39	44	47	55	51	36	29	28	29	37	35	25	27	35	45	45	47	48	46	44	32	20	24	30	31	32	35	25	52	42	37.2
	Minimum	15	31	11	35	39	34	25	21	23	24	25	14	0	5	26	0	14	24	37	31	32	9	5	8	2	5	24	8	−13	11	24	17.7
Weston	Maximum	....	38	45	42	53	59	....	32	32	30	36	29	39	29	38	51	50	65	55	61	60	48	26	27	31	41	35	30	35	57	56	42.4
	Minimum	....	5	8	19	32	34	....	24	24	24	26	19	11	18	24	11	22	38	30	29	34	12	9	19	19	11	19	12	−9	16	30	19.7
Wheeling§	Maximum	43	41	44	49	58	36	35	31	30	40	32	27	27	35	36	49	45	49	47	42	44	21	27	30	30	32	36	13	29	56	....	37.1
	Minimum	14	23	17	19	27	32	25	19	20	25	10	15	6	10	14	9	10	20	21	35	37	7	0	2	7	8	10	5	−10	−4	23	14.7
Southern Division																																	
Bluefield	Maximum	....	49	....	64	62	68	46	40	52	....	36	35	35	32	39	46	52	62	59	62	57	55	48	....	42	40	35	37	46	42	....	47.7
	Minimum	....	30	....	34	43	41	32	21	22	....	21	30	28	29	31	28	26	20	12	9	14	19	17	....	18	17	18	19	12	23	....	23.6
Charleston	Maximum	54	45	49	64	43	36	31	35	32	40	28	31	40	40	56	61	64	47	64	50	22	30	34	42	35	42	25	50	62	44	....	43.2
	Minimum	16	23	23	41	39	26	23	23	25	12	12	11	16	17	17	19	34	40	31	31	20	9	9	22	18	20	24	2	2	26	37	21.5
Gary§	Maximum	51	51	44	48	65	47	35	31	32	31	41	31	34	41	43	53	60	63	58	65	51	23	30	34	39	36	41	33	50	54	51	44.1
	Minimum	10	10	21	30	39	40	25	25	25	26	8	9	10	14	17	15	15	26	41	30	29	22	11	12	11	20	20	32	9	9	26	20.5
Hinton§	Maximum	....	....	48	50	60	46	38	38	32	26	38	26	32	34	28	42	50	54	48	54	38	26	34	36	36	42	40	32	40	56	54	40.6
	Minimum	13	....	....	37	38	46	30	24	25	26	12	26	10	18	22	15	28	42	42	31	38	20	12	26	28	25	34	32	10	28	40	26.8
Huntington§	Maximum	44	47	42	52	58	40	33	40	36	32	37	26	30	35	38	46	50	52	44	58	48	20	25	31	34	34	41	20	38	53	53	39.9
	Minimum	14	24	24	25	42	36	29	24	24	26	21	23	11	14	14	15	15	32	40	30	30	17	10	10	22	20	20	20	6	6	26	21.6
Lewisburg	Maximum	45	45	45	45	56	56	38	34	33	30	35	37	39	30	36	43	40	54	50	57	55	46	29	31	31	34	36	46	33	43	45	41.2
	Minimum	11	28	18	35	37	33	27	19	20	20	4	22	2	9	7	5	16	34	36	23	29	15	7	16	19	13	27	14	−4	17	38	19.3
Marlinton	Maximum	42	44	40	40	54	42	28	28	26	24	32	30	24	24	30	40	32	44	44	52	38	44	23	26	24	28	28	28	25	40	40	31.4
	Minimum	6	18	12	32	32	28	20	18	18	18	16	14	−6	−2	14	−4	8	32	28	22	26	6	0	16	14	8	22	4	−16	6	30	14.2
Point Pleasant	Maximum	42	47	52	50	60	61	58	53	45	40	37	42	35	38	35	50	50	52	52	57	51	43	38	35	35	32	35	40	35	50	50	45.3
	Minimum	12	20	14	38	36	35	28	20	25	18	15	15	0	2	25	9	25	35	38	28	32	20	5	6	10	10	30	10	−6	20	19	19.2
Ravenswood	Maximum	43	46	45	52	60	57	38	31	30	30	38	37	28	33	37	47	46	54	49	57	57	36	35	32	37	33	36	41	36	53	51	42.4
	Minimum	13	17	20	36	40	34	30	22	26	25	19	18	2	12	14	6	26	38	39	29	35	11	2	6	8	12	30	9	6	18	29	20.4
Robertsburg§	Maximum	42	48	44	49	60	38	35	30	30	30	37	26	29	34	37	53	47	55	47	62	47	20	24	33	35	32	42	11	45	57	40	39.3
	Minimum	5	16	15	17	38	34	24	20	22	22	8	15	−3	6	7	5	10	29	37	27	27	14	2	4	19	12	13	11	−2	4	20	15.4
Ryan	Maximum	45	48	45	50	59	45	35	30	29	29	39	34	28	34	36	49	38	55	47	60	47	40	26	32	32	32	35	29	38	58	43	40.2
	Minimum	7	14	13	33	35	33	23	20	25	21	−1	17	−5	2	9	0	16	35	35	23	28	10	1	6	17	10	27	9	−5	13	26	16.0
Spencer§	Maximum	28	46	58	58	60	40	32	29	28	29	37	27	29	35	37	42	58	59	39	62	48	15	21	33	33	32	26	15	48	59	43	38.9
	Minimum	15	26	18	37	48	35	29	22	22	24	19	19	0	12	26	6	25	40	39	27	29	15	14	12	20	12	26	14	−5	15	30	21.6
Sutton	Maximum	44	49	49	52	60	60	41	38	29	32	38	38	27	34	38	58	58	48	48	59	59	47	27	29	32	32	31	31	43	55	55	43.3
	Minimum	8	17	16	35	42	32	28	20	23	21	19	18	8	15	8	7	19	35	32	25	28	11	4	10	13	10	17	11	−8	14	29	18.5
Union	Maximum	46	48	....	49	59	60	45	31	29	....	36	37	30	30	38	39	....	59	52	56	57	62	28	....	35	37	35	39	37	16	....	43.2
	Minimum	12	22	....	12	36	37	24	16	18	....	2	22	4	11	15	5	....	15	35	22	27	15	6	....	16	12	25	21	−1	22	....	17.3
White Sulphur Spgs§	Maximum	56	44	50	55	44	40	28	29	30	34	30	26	36	38	36	50	60	54	58	52	24	38	28	40	37	38	32	36	40	35	....	40.0
	Minimum	22	16	27	36	42	27	20	21	20	8	15	4	5	8	3	5	36	38	25	28	18	8	10	18	10	16	25	0	12	26	35	15.8
Williamson§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[WBO, Cleveland, 3-25-26—830]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

MAY 6 1927

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIV Parkersburg, W. Va., February, 1926 No. 2

GENERAL SUMMARY

The temperature and precipitation for February averaged onsiderably above the normal. The average temperature, owever, 34.9°, was nearly 5° below the February average for 925. The temperature fell to zero at only six stations, and he lowest recorded was 3° below zero. The average precipitaion, 4.01 inches, has been exceeded for February in only seven f the years of record, and is the heaviest of February record ince 1916. Notwithstanding the heavy precipitation and bnormally warm weather during the month, the rivers were nly at moderate stages, owing to the high temperature periods eing of short duration. The snowfall averaged more than rice the normal, and was the heaviest of February record, xcept in 1899 and 1914. The weather during the month was vorable for fruit and mostly favorable for winter grains.

TEMPERATURE

The monthly mean for the State, determined from the records 50 stations, was 34.9°. The departure from the normal for 2 stations having ten or more years of record was +2.6°. The mperature was above the normal on the 1st-3d, 7-9th, 13-15th, d 17-26th, with the highest readings occurring generally on e 21st. The temperature averaged slightly below the normal the 4-5th, 9th, 16th. 23d, and 27-28th, and generally much low on the 6th, 11th, and 10-12th, when the lowest readings the month were recorded.

PRECIPITATION

The average precipitation for the State, determined from the ords of 84 stations, was 4.01 inches. The departure from e normal for 47 stations having ten or more years of record s +0.87 inch. The precipitation was heaviest over the rthern mountain counties and lightest over the southern nties. Most of the precipitation was received on the 1st, 3d-, 8-11th, 13-15th, 18-19th, 22-23d, and 25-26th, the greatest ounts being recorded on the 3d-4th, 10th, 14th, 19th, and . Excepting some of the southern counties, snow was quite eral on the 3d-4th, 11-12th, 19th, 23d, and 26-27th. The ounts were generally light on the 19th and 23d and only w flurries were received in practically all regions on the 26-h. The snow was heavy in many localities of the northern untain counties on the 3d-4th and 10-11th. The fall was heavy in most of Marion County on the 3d-4th, where ut 24 inches were received for that storm. From the 3d to 13th the total falls were as follows: Fairmont, 34 inches; vis, 31.5 inches; Pickens, 41 inches.

MISCELLANEOUS PHENOMENA

ogs, dense: Arbovale, 14th; Bayard, 14th and 15th; Browns- , 14th; Bruceton Mills, 1st, 14th, and 19th; Marlinton, 18th; Pickens, 1st, 8th, and 13th.

Halos, lunar: Bayard, 18th, 20th, and 22d; Elkins, 20th; Parkersburg, 21st; Pickens, 20th.

Halo, solar: Bayard, 21st.

Sleet: Bayard, 1st, 2d, and 7th; Bens Run, 25th; Davis, 2d; Grafton, 1st; Marlinton, 19th; Martinsburg, 4th; Parkersburg, 19th; Stony River Dam, 7th.

Thunderstorms (dates and number of stations reporting): 9th, 2; 14th, 6; 18th, 2; 19th, 12; 25th, 5.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a.m.	local noon	8 p.m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	29.98	85	69	75	97.5	32	6,393	9.5	47	sw.	25
Columbus, Ohio	29.95	83	76	78	79.3	25	7,752	10.0	44	sw.	25
Elkins	29.96	86	75	82	76.9	26	5,168	7.7	44	w.	25
Lexington, Ky	29.98	86	78	....	85.0	28	8,986	15.7	58	sw.	25
Parkersburg	29.96	77	69	74	59.0	20	5,043	7.5	32	sw.	25
Pittsburgh, Pa	29.94	83	75	76	62.2	21	8,730	13.0	57	sw.	25
Wytheville, Va	29.95	76	61	65	166.0	55	6,751	10.0	40	sw.	25

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	38.1	......	......	5.39	......	......	......	......	......	......
1892	37.1	72	−12	2.30	......	......	......	......	......	......
1893	35.0	71	− 6	4.81	6.70	1.65	......	......	......	......
1894	33.4	74	− 5	3.99	7.48	2.05	......	9	7	12
1895	22.8	79	−17	1.27	2.44	0.61	......	10	9	9
1896	33.4	62	− 5	3.31	6.23	1.50	......	7	8	14
1897	36.8	70	3	5.95	8.18	3.00	......	7	7	14
1898	32.7	74	−13	1.81	3.38	0.64	......	10	8	10
1899	26.1	69	−35	4.32	6.43	2.25	19.0	7	5	16
1900	30.7	83	−11	3.94	5.62	2.31	10.1	5	10	13
1901	27.1	62	− 6	0.86	1.66	0.10	4.1	8	8	12
1902	26.7	68	−14	3.20	5.65	1.33	8.1	6	7	15
1903	35.3	74	−19	5.99	9.59	2.58	8.6	10	6	12
1904	29.3	80	−13	2.37	4.55	0.52	8.1	12	9	8
1905	25.6	56	−22	2.34	4.65	0.80	8.1	8	6	14
1906	32.4	79	−11	1.60	3.34	0.46	8.1	15	6	7
1907	31.1	68	−23	2.55	4.83	0.67	11.1	9	8	11
1908	30.9	72	−10	3.72	6.26	1.77	15.8	7	8	14
1909	40.4	80	− 5	4.16	7.68	1.44	3.4	7	8	13
1910	31.5	72	−11	3.18	6.56	0.98	13.5	9	8	11
1911	38.7	76	− 6	2.03	3.92	0.40	4.8	8	8	12
1912	27.3	70	−17	2.45	5.08	0.72	6.4	10	8	11
1913	32.6	80	− 4	2.27	6.15	0.21	4.7	13	6	9
1914	28.4	70	−22	3.64	6.96	1.63	19.7	9	7	12
1915	38.4	72	− 2	3.07	6.33	0.90	3.6	10	5	13
1916	31.4	72	−12	4.30	9.19	1.79	13.2	8	6	15
1917	31.0	80	−14	3.29	7.73	1.26	10.1	9	7	12
1918	35.4	81	−19	3.12	6.60	0.45	3.8	11	6	11
1919	35.2	72	− 2	1.85	3.93	0.35	3.5	11	5	12
1920	31.3	69	− 4	2.71	5.49	1.49	9.3	7	5	17
1921	37.4	79	−10	2.61	4.90	1.10	10.8	8	5	15
1922	38.2	77	−14	2.89	5.57	0.94	6.3	8	7	13
1923	30.4	70	−20	3.68	7.38	0.75	7.8	7	5	16
1924	31.6	74	−16	3.21	8.18	0.84	12.2	8	6	15
1925	39.8	80	− 5	2.49	4.32	0.35	2.0	10	6	12
1926	34.9	72	− 3	4.01	8.88	1.20	18.1	6	5	17
Means and extremes	32.7	83	−35	3.19	9.59	0.10	9.1	9	7	12

Climatological Data for February, 1926

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	25	30.0	+ 2.6	58	21	− 1	17	52	8.88	+5.49	1.29	46.0	20	7	3	18	sw.	U. G. Clark
Brandywine	Pendleton	1,586	10	33.2	− 0.9	55	21†	1	11	39	2.60	+0.87	0.80	16.0	7	10	4	14	n.	Elmer Keister
Harpers Ferry	Jefferson	244	37	...	...	...	...	...	...	...	3.36	+0.93	0.80	12.0	13	...	...	...	...	J. C. Newcomer
Martinsburg	Berkeley	435	34	33.4^{a}	+ 3.4	64^{a}	22	10	6	38^{a}	4.72	+2.29	2.10	18.5	13	16	5	7	e.	Dr. H. S. Gardner
Moorefield	Hardy	900	30	37.0	+ 4.7	70	22	− 2	12	52	2.89	+0.52	0.88	22.5	8	22	1	5	...	M. S. Henkel
Piedmont	Mineral	1,053	13	33.1	+ 0.1	63	21	9	6	36	3.38	+0.72	0.92	24.0	9	6	4	18	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	28	33.4^{d}	+ 1.2	66^{d}	21	2^{c}	6	46^{g}	...	...	...	...	...	5	7	16	...	George E. Bergdoll
Stony River Dam	Grant	3,300	6	...	...	...	...	...	...	...	3.53	...	0.64	31.0	13	2	4	22	w.	A. C. Becker
Upper Tract	Pendleton	1,230	27	34.0^{e}	+ 1.8	68^{e}	25	5^{e}	12	44^{e}	1.78	+0.09	0.56	21.0	5	10	0	18	...	J. M. Mallow
Wardensville	Hardy	1,200	8	33.4^{a}	...	65^{a}	22	− 3	6	47^{a}	3.65	...	1.10	19.5	9	11	1	16	w.	Luther F. Sutton
Averages and	extremes	...	...	33.4	+ 1.8	70	22	− 3	6	52	3.87	+1.56	2.10	23.4	11	10	3	15	w.	
Northern Division																				
Aberdeen	Upshur	1,060	2	...	...	...	...	...	...	...	3.90	...	0.87	16.3	13	2	9	17	nw.	L. Else Bond
Bens Run	Pleasants	652	24	36.1	+ 4.3	64	20	9	12	41	4.19	+1.00	1.00	32.0	12	9	8	11	...	J. D. Riggs
Benson	Harrison	1,080	3	36.8^{g}	...	66^{g}	21	3	12	43^{g}	4.78	...	1.27	16.5	14	5	9	14	...	R. D Marts
Brownsville	Lewis	1,032	3	37.3	...	67	22	6	12	45	3.55	...	0.57	...	13	3	11	14	...	George M. Myers
Bruceton Mills	Preston	1,549	6	...	...	...	...	...	...	...	7.20	...	2.46	40.7	16	1	8	19	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	29	35.6	+ 4.1	60	22†	10	11	39	4.13	+0.26	0.85	17.5	13	6	3	19	...	H. A. Darnall
Cairo ††	Ritchie	680	27	35.4	+ 2.9	62	21†	2	12	39	4.82	+1.34	1.10	7.0	12	5	4	19	...	O C. Hess
Clarksburg	Harrison	1,015	4	33.4^{a}	...	65^{a}	21	9	11†	42^{a}	4.26	...	1.11	15.5	16	4	9	15	w.	Clarksburg Water Boar
Cortland	Tucker	3.300	15	...	...	...	...	...	...	...	5.51	+1.62	2.88	52.0	5	4	12	12	...	G. W. Harmon
Crawford	Lewis	1,107	3	...	...	...	...	...	...	...	4.07	...	1.01	12.9	13	5	5	18	w.	George W. Blair
Creston	Wirt	640	24	36.8^{a}	+ 4.0	65^{a}	21	10^{a}	12	41^{a}	4.64	+1.75	1.00	5.6	14	5	1	22	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	5	...	...	...	...	...	...	...	4.95	...	1.27	...	17	...	...	...	w.	Lockmaster
Dam 12 O. R.	Ohio	660	10	...	...	...	...	...	...	...	3.31	...	0.91	...	14	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	10	...	...	...	...	...	...	...	4.35	...	0.85	...	19	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	5	...	...	...	...	...	...	...	5.52	...	1.68	...	17	...	...	...	...	Lockmaster
Davis	Tucker	3,093	17	...	...	...	...	...	...	...	4.81	+0.63	0.92	37.4	19	1	7	20	w.	Ross C. Male
Elizabeth[Dam 3 L.K.]	Wirt	615	14	...	...	...	...	...	...	...	4.76	+2.10	1.18	10.0	13	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	25	32.9	+ 1.3	62	21	4	6	42	3.98	+0.81	1.02	24.0	19	1	7	20	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	1	...	...	...	...	...	...	...	4.10	...	0.95	34.5	18	2	6	20	...	Claude A. Cunningham
Fairmont	Marion	883	20	32.2	0	60	21	10	11	38	6.09	+3.03	1.95	40.0	16	9	0	19	w.	Creed E. Bolyard
Glenville	Gilmer	738	32	39.7	+ 7.0	72	25	9	12	44	4.95	+1.22	1.02	12.0	16	9	8	11	w.	Howard R. Brannon
Grafton (near)	Taylor	1,000	33	33.2^{a}	+ 1.6	67^{a}	24	4	5	49^{a}	2.91	−0.39	0.80	25.5	14	3	7	15	w.	Curtis Boice
Horner	Lewis	1,044	3	...	...	...	...	...	...	...	4.64	...	0.89	11.0	12	8	6	14	...	Thomas E. Miles
Horton	Randolph	2,840	1	...	...	...	...	...	...	...	3.56	...	0.62	36.7	12	3	2	23	se.	J. W. White
Janelew(near)	Lewis	1,020	3	36.8	...	65	21†	8	12	46	3.64	...	0.58	14.0	11	7	6	15	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	28	33.6	+ 2.6	63	21	7	12	46	3.72	+0.66	0.86	15.8	15	5	4	19	w.	Allen Smith
Mannington	Marion	985	23	33.4	+ 2.4	59	21†	0	12	37	4.81	+2.02	0.94	26.7	18	5	4	19	w.	Jas. A. Morgan
Morgantown ††	Monongalia	1,250	33	33.6^{a}	+ 2.3	58	21†	14^{a}	12	37^{a}	4.59	+1.48	1.02	26.8	11	1	5	22	s.	Prof. E. L. Andrews
Moundsville	Marshall	689	23	34.8	+ 3.2	61	21†	8	12	37	3.61	+1.33	0.86	8.0	14	2	6	20	...	U. S. Signal Corps
New Cumberland	Hancock	671	28	30.2	+ 2.5	57	25	8	12	40	3.69	+1.32	1.04	11.5	14	5	4	19	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	32	33.8	+ 1.6	60	21	2	12	41	4.90	+1.92	0.95	11.0	11	6	1	21	n.	Wm. Ankrom
Parkersburg	Wood	638	39	35.6	+ 1.4	64	21	12	11	34	3.60	+0.36	1.04	7.7	13	3	5	20	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	26	34.4	+ 4.7	65	21	5	6	45	4.16	+0.74	...	24.5	13	5	4	19	...	J. W. Swisher
Philippi	Barbour	1,550	29	35.1	+ 3.9	61	21†	7	11	44	3.17	−0.20	0.50	27.0	13	4	6	18	w.	Prof. W. B. Pimm
Pickens	Randolph	2,697	23	30.1	− 1.5	58	25	− 2	12	46	7.26	+2.19	1.84	55.0	16	9	3	16	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	3	...	...	...	...	...	...	...	4.32	...	0.87	15.0	14	6	2	20	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	39	...	...	...	...	...	...	...	5.73	+2.32	0.88	...	21	...	...	...	...	J. F. Pierce
Saint Marys	Pleasants	577	17	...	...	...	...	...	...	...	5.30	+2.10	0.95	9.5	16	...	...	...	sw.	Wm. Hughes
Smithfield	Wetzel	850	20	31.2	+ 0.6	56	28	15	17	31	1.89	−1.73	0.45	17.5	8	9	7	12	...	G. M. Whisler
Terra Alta	Preston	2,559	25	27.4	− 0.4	51	21†	0	17	43	5.15	+1.38	0.76	43.8	19	1	4	23	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	3	39.1	...	67	21	12	11	35	3.81	...	0.60	16.0	15	13	0	15	w.	J. C. Campbell
Vandalia	Lewis	1,120	3	...	...	...	...	...	...	...	2.20	...	0.70	...	8	...	...	...	...	Miss Phyllis West
Wellsburg	Brooke	668	25	32.6	+ 5.1	61	25	3	12	37	2.63	−0.05	0.64	9.0	8	4	4	20	w.	George P. Pfister
West Milford	Harrison	979	1	...	...	...	...	...	...	...	4.26	...	1.00	...	9	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	30	36.6	+ 4.7	62	24	9	11	39	4.95	+1.21	1.50	8.0	9	0	16	12	...	Weston State Hospital
Wheeling	Ohio	645	39	31.6^{a}	+ 0.8	63^{a}	21	7	12	49^{a}	4.02	+1.49	0.82	11.6	18	5	3	20	sw.	Miss M. B. Forsyth
Averages and	extremes	...	...	34.2	+ 2.6	72	25	− 2	12	49	4.34	+1.12	2.88	21.1	14	5	6	17	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	...	...	...	...	...	...	...	...	3.66	...	1.01	15.0	15	7	8	13	sw.	H. S. Sutton
Bancroft	Putnam	574	22	36.2	+ 2.5	69	21	10	11†	47	3.85	+0.94	0.77	4.0	13	10	0	18	nw.	R. E. Dent
Beckley ^{a}	Raleigh	2,440	26	35.3	+ 2.0	59	21	6	11	32	1.93	−1.13	1.00	5.6	5	7	5	15	w.	K. E. Williams
Bluefield ^{d}††	Mercer	2 558	31	37.5	+ 3.6	68	26	15	1	31	4.58	+1.53	1.29	5.5	14	6	12	6	...	Norfolk & Western Ry
Camden-on-Gauley	Webster	2,029	11	...	...	...	...	...	...	...	1.20	...	1.20	...	...	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	23	41.6	+ 3.2	68	21	20	10†	39	3.35	−0.22	0.92	2.0	13	7	0	21	...	R. O. Fields
Clay	Clay	706	10	...	...	...	...	...	...	...	4.45	...	0.84	...	15	...	...	...	...	Ted Thomas
Dam 6 G. K.	Kanawha	598	...	...	...	...	...	...	...	...	3.18	...	0.83	...	9	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	10	...	...	...	...	...	...	...	4.62	...	0.70	...	15	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	10	...	...	...	...	...	...	...	4.89	...	0.82	...	16	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	10	...	...	...	...	...	...	...	3.84	...	0.95	...	14	...	...	...	...	U. S. Engineer Office
Gary	McDowell	1,426	10	39.0^{a}	...	65^{a}	21	13	12	49^{a}	3.61	...	0.94	...	14	2	6	20	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	29	42.3	+ 8.3	64	24	20	12	31	2.90	−0.15	0.79	...	13	9	2	17	...	Mrs J. R. Baber
Huntington	Cabell	538	32	36.7	+ 4.1	65	21	14	11†	38	4.33	+1.20	0.94	2.7	14	5	3	20	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	7	...	...	...	...	...	...	...	3.57	...	0.95	...	10	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	10	...	...	...	...	...	...	...	4.89	...	0.98	10.3	20	...	...	...	...	Cabin Creek Con. Coal C
Kermit	Mingo	579	0	...	...	...	...	...	...	...	3.08	...	1.00	...	10	...	...	...	...	E. B. Kirk
Lewisburg	Greenbrier	2,250	26	35.8	+ 3.8	62	14†	2	6	42	2.77	−0.19	1.27	7.0	8	9	9	10	nw.	Geo. T. Argabrite
Logan	Logan	700	23	...	...	...	...	...	...	...	4.03	+0.13	0.91	...	14	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	27	30.2	+ 1.2	56	21	− 2	6	40	3.94	+0.55	1.16	9.5	13	4	16	8	sw.	S. L. Brown
Organ Cave	Greenbrier	...	0	...	...	...	...	...	...	...	1.84	...	0.40	8.0	8	6	6	16	w.	J. J Hedrick
Point Pleasant	Mason	595	33	37.6	+ 4.0	66	22	8	11	42	5.18	+1.76	1.00	2.0	16	17	0	11	ne.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	11	38.8	...	67	24†	9	11	50	3.87	...	0.78	...	11	8	0	20	ne.	Lockmaster
Robertsburg	Putnam	570	26	34.8	+ 1.9	62	17†	9	11†	44	3.58	+0.56	0.72	3.0	16	9	0	19	...	M. Frazier
Ryan	Roane	700	23	36.2	+ 3.0	65	21	5	12	45	4.26	+0.89	1.36	12.9	16	5	6	17	...	Wm. E. Ryan
Sharples	Logan	...	6	...	...	...	...	...	...	...	3.86	...	0.98	...	11	...	...	...	...	R. W. Howard
Spencer	Roane	789	22	35.8	+ 2.0	60	17	10	11†	41	4.79	+1.75	0.86	12.0	12	0	12	16	...	A. M. McKown
Sutton	Braxton	850	20	36.6	+ 2.1	67	21†	4	12	46	4.78	+1.48	0.70	23.0	13	14	0	14	...	C. B. Eakle
Union ^{d}	Monroe	2,250	22	35.8	+ 2.7	61	22	7	6†	35	3.13	+0.42	1.13	2.8	10	3	10	11	...	W. M. H. Young
Wayne	Wayne	598	...	...	...	...	...	...	...	...	4.36	...	1.04	...	14	...	...	...	...	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	16	35.5^{a}	+ 0.9	67^{a}	20	7	5	44^{a}	1.46	−2.74	0.34	4.4	15	10	3	15	...	H. E. Green
Williamson	Mingo	673	26	...	...	...	...	...	...	...	1.62	−1.53	0.62	2.5	11	...	...	...	...	H. C. Mohler
Averages and	extremes	...	...	36.8	+ 3.0	69	21	− 2	6	50	3.58	+0.23	1.36	7.8	13	7	5	16	w.	
State averages and	extremes	...	...	34.9	+ 2.6	72	25	− 3	6	52	4.01	+0.89	2.88	18.1	13	6	5	17	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example ^{b} represents two days, etc.

Daily Precipitation for February, 1926

Stations	Drainage basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Panhandle Division																																	
Bayard ‖	Potomac	1.17	.11	.07	1.29	.57	T.	.69	.19	T.	1.29	.69	.16		T.	.43	.09		T.	.06	.17		T.	1.69	.04	.11	1.17	.11	.04				[illegible]
Brandywine	do	.10			.80			T.	.40		.20				.10					.25			T.			.75		T.					2.60
Harpers Ferry ‖	do	.80	.02	.02	.63				T.	.01	.43	T.	.06		.25					.11	.21			.26		.63	.54						3.36
Martinsburg ‖	do	.70		.05	2.10					.15	.63			.04	.25	.04				.10	.10			.05		.25	.53						1.72
Moorefield	do	T.		*	.88				.56		.28	T.		.05	.58					.11						.40							2.89
Piedmont	do	.15	.01	.92	.48				.16		.66			.20	.30								T.			.50		T.					3.55
Romney ‖	do									.13															.65								‡‡‡
Stony River Dam ‖	do	.12		.16	.64				.32	.20	.32				.10		.16			.33				.16		.32		.16	.24				3.53
Upper Tract	do		T.	.32	.56			T.	.32	.45	T.	T.			T.								T.			.10	T.						1.75
Wardensville	do	1.10		.20	.80	T.			.10		.35	.15		.04	.21	T.				T.						.70							3.65
Northern Division																																	
Aberdeen	Monongahela	.29	T.	.53	.39	T.	T.		.31	T.	.79	.08		.20	.45	.03				.31			.02	.36		.14	T	T.					3.90
Bens Run	Ohio	.20		1.00	.16				.15	.20	.35			.27	.90	.03				.51				.27		.12							4.19
Benson	Monongahela	.39		1.27	.37				.24	.04	.63	.05		.17	.58	.02				.29			.04	.39		.30							4.78
Brownsville	do	.27	T.	.57	.43	T.	T	T.	.28	T	.56	.04		.24	.47	.03				.17			.02	.32		.15	T.	T.					3.55
Bruceton Mills	do	.15		.60	.80		T.	.08	.69	.08	.61	.20		.10	2.46	.03	T.			.31			.45	.40		.73	.10	T.					7.20
Buckhannon	do	.30		.45	.25	T.	T.		.40	T.	.67	.10			.55	.10	.40							.06	.36		.13	.08					4.13
Cairo	Little Kanawha	.30	T.	1.10	.12	T.			.18	.24	.50	T.		.06	.91	T.				.47			.01	.38		.52	T.	T.					4.82
Clarksburg ‖	Monongahela	.45	.07	.06	1.11	T.		T.	.22	.04	.43	.15	T.	.20	.46	.14				.17	.12			.34		.20	.10	T.					4.26
Cortland ‖	do			.48	.80						2.88			.65				.70															5.51
Crawford	Little Kanawha	.21		1.01	.14				.13		.71	.18		.15	.48	.06				.46			.06	.46				.02					4.07
Creston ‖	Monongahela	.51	T.	.23	1.00	T.			.20	T.	.50	.25		.13	.40	.48				.20	.15			.20		.24	.15	T.	T.				4.64
Dam 10, Mon. R. ‖	Ohio	.27	.07	.04	1.27			.06	.08	.08	.74	.12		.28	.18	.46				.29	.24			.29		.22	.26						4.95
Dam 12, O. R. ‖	do		.04	.06	.52			T.	T.	.11	.24			.24	.10	.91	.02			.19	.11			.20		.37	.20						3.31
Dam 13, O. R. ‖	Monongahela	.05	.15	.06	.63	.03		.02	.10	.05	.35	.05		.20	.10	.85				.42	.04			.34		.40	.50		.01				4.35
Dam 15, Mon. R. ‖	do	.62	.08	.08	1.65				.12	.16	.36	.12		.28	.24	.34				.32	.34			.36		.23	.15	.04					5.52
Davis ‖	do	.15	.04	T.	.64	.16		.08	.22	.08	.92	.22	.12	.08	.18	.22				.41	.06			.18		.81	T.	.20	.01				4.81
Elizabeth (near) ‖	Little Kanawha	.60		.18	1.18				.15	.02	.30			.31	.66	.26				.32				.32		.38	.10	T.					4.76
Elkins ***	Monongahela	.13	T.	.45	.30	T.	.01	.01	.45	.72	.35	.01	.06	.14	.33	.07			T.	.38			.22	.14		.12	.05	.04					3.98
Evenwood	do	.09		.19	.56	.07	T.		.66	T.	.95	.10		.25	.23	.08	.07		.15	.05			.30	.10		.11	.06	.08					4.10
Fairmont ‖	do	.85	.08	.02	1.95	T.		.04	.11	.04	.65	.20	T.	.30	.30	.32		T.		.38	T.	T.		.40	T.	.30	.15		T.				6.09
Glenville ‖	Little Kanawha	.36	.06	.30	1.02				.09		.52	.18		.42	.46	.12	.04			.10	.43			.50		.28	.07						4.95
Grafton (near) ‖	Monongahela	.02	.15	.80					.28		.48	.04	.04		.22	.03			.18	.08			.32		.25	.02	T.						2.91
Horner	do	.28		.68	.35				.30		.89	.07			.62					.37			.03	.47		.55	.03						4.64
Horton	Monongahela			.50	.62		T.	T.	.44		.54	.07		.17	.20	T.				.22			.14	.17		.40	T.	.09					3.56
Janelew (near)	do	.30		.35	.45				.30		.58	.10		.25	.48					.28				.35		.20							3.64
Lost Creek	do	.25	T.	.86	.31		.02		.21	.02	.28	.12		.12	.54	.02				.29			.04	.36		.28	T.	T.	T.				3.72
Mannington	do	.18	.01	.94	.38		.02	.03	.12	.15	.48	.02		.36	.62	.01				.48			.05	.35		.58	.03						4.81
Morgantown	do	T.		1.02	.50	T.	T.	.08	T.	.10	.80	.06		T.	.63	T.				.43			T.	.27		.66	T	T.					4.59
Moundsville ‖	Ohio	.25		.44	.04		T.	.04	.08	.07		.32	T.	.21	.86	.02			T.	.51				.20		.55	.02						3.61
New Cumberland ‖	do	1.04	.01	T.	.45			.04	.04	.10	.27			.22	.19	.42				.35		.06		T.		.40	.10						3.69
New Martinsville	do	.30		.95	.10				.25	.15	.40			.30	.95					.50				.30		.70							4.90
Parkersburg ***	do	.09		.67	.02	T.	T.	T.	.08	.36	.23	T.	.09	.03	1.03	T.			.01	.11			.22			.33	T.	T.					3.60
Parsons	Monongahela	.20		.32	.56		.16				.60	.16		*	*						*	*	2.00				.08	.08					4.16
Philippi	do	.12		.50	.30	T.	T.	T.	.18	T.	.45	.05		.13	.48	.15				.23			.07	.33		.18	T.	T.					3.17
Pickens	do	.26		.24	.32				.24	.16	1.68	.40		.25	.95	.08				1.31			.65	.16			.24	.21	.08				7.26
Roanoke	do	.27		.70	.51	.01			.18		.87	.05	T.	.17	.60	.05				.34			.01	.45		.11	T.	T.					4.32
Rowlesburg ‖	do	.49	.19	.03	.80	.07			.04	.28	.88	.43	.03	.04	.18	.35	.04			.83	.22			.55		.20	.03	.02	.03				5.73
Saint Marys ‖	Ohio	.58	.10	.23	.95	.02			.17	T.	.60	.09		.20	.50	.43				.40	.10			.28		.37	.28						5.30
Smithfield ‖	Fishing Creek				.02			.21	.30		.45	.27	.29							T.				.31		.04							1.89
Terra Alta	Monongahela	.22		.65	.71	.08	T.	.04	.34	.05	.76	.36	T.	.32	.36	.03	.01		T.	.27			.38	.22		.23	.03	.09					5.15
Valley Chapel	do	.28		.60	.48				.20		.32	.10		.21	.50	.02				.25			.02	.41		.39	.02	.01					3.81
Vandalia	do	.05		.70					.30	.20				.30						.40				.20				.05					2.20
Wellsburg	Ohio	.31		.43			T.		.31		.40							T.	.45	T.			.05			.64	.04						2.63
West Milford	Monongahela			1.00		.35				.25		.70		.23	.57					.39				.55		.22							4.26
Weston	do		.56	.75	.24					.36				.50	1.50			.04					.65	.35									4.95
Wheeling ‖	Ohio	.65	.06	.06	.50	.01		T.	.07	.03	.27	.05		.18	.12	.82	.01			.50	.03	T.		.12		.33	.21						4.02
Southern Division																																	
Arbovale	Great Kanawha	.12		.04	.52		T.	T.	.12		.28	T.		.12	1.01	.02			.09	.27			.05	.18		.76	.04	.04					3.66
Bancroft ‖	do	.77	.07	.37	.67						.04	.16		.35	.72	.06				.10				.10		.40		.04					3.85
Beckley	do	.22	.40											1.00											.19		.12						1.93
Bluefield	do	.46		.55		.50				.04	.16	.08		.01		1.29			.29	.08			.05	.28		.47		.32					4.58
Camden-on-Gauley ‖	do	T.							T.						1.20					T.								T.	T.				1.20
Charleston ‖	do	.60		.22	.92						.34	.08		.13	.27	.06				.18	.14			.23		.08	.10						3.35
Clay ‖	do	.52	.12	.17	.84	.02					.76	.12		.20		.33	.03			.50	.14			.49			.11		.10				4.45
Dam 6 G. K. ‖	do	.83	.40	.58							.10		.10	.30						.19				.47	.21								3.18
Dam 19 O. R. ‖	Ohio	.70	.02	.20	.54			T.	.10	T.	.52	.04		.10	.65	.60	T.			.53	.02			.15		.24	.24	T.	T.				4.62
Dam 20 O. R. ‖	do	.80	.01	.16	.63				.08	.02	.50	.02		.12	.82	.43				.34	.07			.25		.36	.28						4.89
Dam 26 O. R. ‖	do	.85		.30	.55					.10	.15	.05		.07	.95	.02				.49	.05			.05		.25		.05					3.84
ary ‖	Big Sandy	.30	.05	.11	.60						.15			.12	.94	.15			.07	.53		.12		.21		.12		.14					3.61
inton ‖	do	.15	.03	.17	.58	.05					.23				.79	.05			.04	.23				.12		.34		.12					2.90
untington ‖	Ohio	.94	.52	.05	.34						.15	.04		.10	.64	.10				.42	.06			.60		.22		T.	.12				4.33
anawha Falls ‖	Great Kanawha	.60	.08	.15	.95						.25	.08			.40					.25				.75		.06							3.57
ayford ‖	do	.54	.15	.15	.98	.02		.01	.02		.53	.25	.01	.20	.43	.09	.08			.26	.26			.49	T.	.08	T.	.22	.12				4.89
ermit ‖	Big Sandy		.02		.70					.02	.01				1.00				.30	.28		.35				.35		.05					3.08
ewisburg	Great Kanawha	.05		.32							.16	T			1.27	T.			.12	.17						.59		.08					2.77
ogan	Guyandotte	.60	.02	.08	.91						.30	.15		.08	.75	.03	T			.27	.12			.39		.25		.05					4.03
arlinton	Great Kanawha	.14		.30	.20			T.	.05	.24	.25	T.		.15	1.16	T.			.12	.22			.18	.08		.85	T.	T.					3.94
rgan Cave	do	.30		.40						.10	.24				.25			.25	.20							.10							1.84
ont Pleasant ‖	Ohio	1.00	.08	.16	.50	.15				T.	.30	.15		.20	.93	.10				.56	.20			.39		.20	.22		.24				5.18
avenswood (Dam 22	Ohio	.75		.20	.58						.45	T.		.04	.78	.25				.22	T.			.10		.30	.20						3.87
obertsburg ‖	Great Kanawha	.72	T.	.34	.43					.05	.15	.08	.08	.09	.70	.04	.01			.20	T.			.27		.31	.09		.02				3.58
yan	do	.24		1.36	.07		.03	T.	.04	.24	.33	.04		.17	.61	T			.02	.28			.09	.40		.29	T.	.05					4.26
arples ‖	Coal River	.98		.33	.75						*	*	*	.55	.63					*	*			.62									3.86
ssonville ‖	Great Kanawha	.81			1.20					*	*				1.36	*																	‡‡‡
encer ‖	do	.40	T.	.36	.86	T.	T.		.06	T.	.24	.20		.56	.80	.12				.18				.30		.41		T.	T.				4.79
tton	do	.08		.70	.48	.08				.55	.80	T.		.54	.32	.08				.45				.44		.18		.08					4.78
ion	do	1.13		.10	.10						.10					.91			.19	.21				.13		.24		.02					3.13
ayne ‖	Big Sandy	1.04		.56	.45					.03	.18	.09		.07	.46	.05				.50	.08			.51		.21			.13				4.36
ite Sulpr. Spgs. ‖	Great Kanawha		.02	.34			.02			.02	.02		.08	.15	.01			.02	.25	.06			.21		.22		.01		.02				1.45
illiamson ‖	Big Sandy			.10	.04						.05	.06			.62	.03			.03	.29	.07			.23		.10	T.						1.62

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ‡‡‡ Probably incomplete.

Daily Temperatures for February, 1926

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	35	36	35	28	27	41	39	32	41	37	15	41	45	46	35	31	51	49	46	39	58	52	44	47	56	52	29	23	....	....	....	39.6
	Minimum	24	25	23	22	17	0	27	23	29	15	4	10	29	31	30	18	-1	28	22	13	36	33	22	7	27	29	20	7	....	....	....	20.4
Brandywine	Maximum	42	51	40	32	32	41	41	35	40	40	20	38	51	54	44	37	52	50	47	40	55	55	52	40	55	52	40	40	....	....	....	43.5
	Minimum	20	24	25	20	17	7	26	20	34	20	1	2	34	32	32	22	13	31	28	16	28	36	32	14	30	36	27	12	....	....	....	22.8
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Martinsburg§	Maximum	48	48	35	42	40	48	42	35	34	32	30	42	35	43	49	41	51	52	42	39	52	64	42	46	52	49	39	....	....	....	....	43.4
	Minimum	32	32	32	25	21	10	11	25	25	23	13	15	21	27	31	26	15	16	33	21	22	27	27	21	22	33	29	19	....	....	....	23.4
Moorfield	Maximum	37	44	43	38	37	45	47	37	39	36	31	43	44	45	45	44	65	63	60	54	69	70	64	52	64	65	53	51	....	....	....	49.5
	Minimum	32	29	29	25	24	3	24	27	28	24	11	-2	20	31	30	25	13	12	32	22	36	37	32	18	33	40	22	29	....	....	....	24.5
Piedmont	Maximum	38	40	32	34	30	44	45	35	32	31	21	34	34	40	38	36	47	48	41	42	63	58	45	44	62	51	35	43	....	....	....	40.8
	Minimum	32	32	28	27	22	9	33	28	28	15	10	17	27	31	36	24	11	32	26	19	37	34	27	20	30	35	25	17	....	....	....	25.4
Romney	Maximum	42	39	35	38	35	47	36	36	36	24	35	42	37	....	44	59	55	47	....	56	66	....	48	63	61	38	37	....	....	....	....	44.0
	Minimum	30	32	31	25	21	2	7	26	27	20	10	13	27	30	....	24	10	28	30	....	20	29	....	18	31	36	27	17	....	....	....	22.8
Upper Tract	Maximum	37	....	38	38	38	....	34	33	40	38	20	38	....	41	41	43	44	47	....	60	64	64	55	54	68	....	50	50	....	....	....	45.3
	Minimum	31	....	26	27	17	....	10	9	27	20	9	5	....	28	27	24	25	25	....	21	20	53	30	16	28	....	22	19	....	....	....	22.6
Wardensville§	Maximum	39	41	36	36	38	37	38	37	40	37	21	30	42	45	44	39	55	52	51	47	63	65	58	46	62	54	42	....	....	....	....	44.2
	Minimum	24	32	30	23	14	-3	22	25	25	21	10	5	14	28	26	24	8	23	33	19	26	29	29	16	29	39	40	18	....	....	....	22.5
Northern Division																																	
Bens Run	Maximum	39	40	39	38	33	44	46	39	39	35	23	37	47	43	40	39	58	55	49	64	60	57	42	52	57	49	36	46	....	....	....	44.5
	Minimum	31	32	34	31	25	22	34	30	32	19	12	9	31	35	35	26	22	32	29	23	30	42	23	21	35	34	27	20	....	....	....	27.7
Buckhannon	Maximum	45	42	39	33	29	40	42	38	44	31	20	37	48	52	43	35	45	54	52	55	40	60	60	45	54	60	50	44	....	....	....	44.3
	Minimum	30	30	28	28	23	11	28	28	34	19	10	15	30	38	34	23	19	19	35	35	25	31	45	25	15	38	34	19	....	....	....	26.8
Cairo	Maximum	38	42	40	35	32	30	45	43	40	33	21	37	52	50	39	38	57	54	49	48	62	62	44	53	57	50	35	46	....	....	....	44.0
	Minimum	32	32	33	32	25	17	30	32	33	19	12	2	31	39	35	24	21	38	23	19	23	42	25	17	33	35	24	16	....	....	....	26.7
Clarksburg	Maximum	35	40	37	36	29	44	37	37	43	23	20	41	51	43	37	39	59	58	41	40	65	57	34	57	59	40	31	....	....	....	....	42.0
	Minimum	35	32	32	29	24	14	17	28	33	20	9	9	17	35	35	25	17	19	35	20	21	40	26	17	22	38	28	18	....	....	....	24.9
Creston	Maximum	41	46	45	35	34	49	48	40	44	38	23	40	55	55	42	40	59	55	50	49	65	63	44	58	59	52	47	....	....	....	....	47.3
	Minimum	32	32	33	32	25	19	35	30	34	18	11	10	32	14	35	25	18	34	28	18	28	41	26	18	39	27	18	....	....	....	....	26.4
Elkins	Maximum	39	38	39	30	21	44	42	36	44	30	14	35	49	56	35	34	56	52	51	45	62	57	33	53	60	45	29	46	....	....	....	42.1
	Minimum	28	29	25	24	14	4	29	28	30	12	6	14	33	35	28	20	14	32	17	17	43	33	23	14	40	29	17	17	....	....	....	23.4
Fairmont§	Maximum	35	37	36	32	32	37	34	34	36	23	19	36	41	38	38	39	54	54	36	41	60	54	37	53	57	37	31	48	....	....	....	39.6
	Minimum	35	29	31	29	22	18	21	28	31	20	10	14	19	35	34	23	19	22	36	19	22	38	24	19	24	36	21	17	....	....	....	24.9
Glenville	Maximum	48	49	54	41	38	50	58	41	41	46	22	41	60	66	44	42	63	60	52	48	65	64	54	59	72	56	45	47	....	....	....	50.9
	Minimum	32	33	33	31	25	18	35	30	31	20	14	9	33	39	36	25	19	34	30	21	28	51	27	19	39	37	26	19	....	....	....	28.5
Grafton (near)	Maximum	39	35	32	30	44	35	40	41	25	23	40	47	49	38	40	63	58	37	46	65	63	40	57	67	42	34	54	....	....	....	....	43.9
	Minimum	29	32	27	20	4	15	24	31	18	9	14	18	22	32	23	14	24	31	15	24	39	23	12	22	35	25	13	29	....	....	....	22.4
Lost Creek	Maximum	40	40	35	31	30	41	42	35	40	37	17	36	50	51	36	38	57	56	51	44	63	60	43	58	58	51	36	43	....	....	....	43.5
	Minimum	29	29	29	26	20	10	30	24	30	16	8	7	29	32	32	21	13	29	26	18	25	42	23	12	34	32	24	16	....	....	....	23.8
Mannington	Maximum	41	37	37	33	31	39	43	36	38	34	20	36	45	39	37	36	53	51	45	41	59	59	45	49	57	49	38	42	....	....	....	41.8
	Minimum	31	31	31	30	23	13	31	26	33	19	7	0	31	33	34	25	16	30	27	19	28	38	22	15	31	35	27	15	....	....	....	25.0
Morgantown	Maximum	41	36	38	32	29	38	38	35	37	33	20	37	44	44	36	35	53	53	53	39	58	57	39	52	58	48	35	41	....	....	....	41.4
	Minimum	29	26	26	27	19	18	29	27	32	18	16	14	31	33	33	22	20	49	25	17	37	38	19	15	....	33	24	16	....	....	....	25.7
New Cumberland§	Maximum	36	36	35	31	28	42	33	38	36	22	24	35	41	39	37	33	47	48	30	36	54	44	31	54	57	36	28	48	....	....	....	37.8
	Minimum	32	30	33	29	23	23	27	25	26	20	11	8	14	31	34	20	16	20	27	17	20	31	17	16	17	32	22	11	....	....	....	22.6
New Martinsville	Maximum	38	38	36	35	34	42	38	38	39	35	20	36	44	42	40	40	58	57	53	52	60	58	40	52	57	50	38	40	....	....	....	43.2
	Minimum	28	28	28	28	18	20	30	26	30	16	10	2	31	32	32	22	17	28	25	17	40	36	18	14	30	32	24	15	....	....	....	24.3
Parkersburg	Maximum	38	44	36	35	30	48	39	41	39	25	24	36	54	41	40	41	60	54	48	48	64	56	31	54	58	43	32	46	....	....	....	43.0
	Minimum	32	34	33	30	26	25	33	32	25	16	12	14	36	38	32	26	26	38	24	23	43	28	25	21	43	32	25	21	....	....	....	28.3
Parsons	Maximum	42	39	31	31	30	41	44	46	46	36	17	52	48	36	36	45	56	52	45	46	65	58	55	56	58	51	34	57	....	....	....	44.9
	Minimum	29	30	30	29	24	5	23	24	24	17	8	15	35	30	24	25	11	26	26	18	28	43	16	24	36	31	20	16	....	....	....	23.8
Philippi	Maximum	45	37	40	42	30	40	42	38	42	42	18	42	47	51	37	35	55	55	52	41	61	61	45	57	60	52	56	49	....	....	....	45.4
	Minimum	28	28	26	25	19	12	28	24	32	16	7	13	31	35	32	21	31	39	25	17	32	42	21	17	34	30	12	16	....	....	....	24.8
Pickens	Maximum	42	42	42	27	23	40	40	37	42	31	15	44	44	54	37	36	40	50	51	41	59	53	38	56	58	45	24	43	....	....	....	41.2
	Minimum	23	23	22	19	16	6	24	18	27	9	2	-2	16	32	27	14	18	35	14	11	29	37	20	9	36	24	15	9	....	....	....	19.0
Terra Alta	Maximum	33	30	30	26	23	34	33	29	34	34	13	32	39	42	31	27	43	45	43	33	51	51	40	40	50	46	28	31	....	....	....	35.4
	Minimum	24	23	22	21	14	9	24	23	28	12	2	7	27	31	27	15	0	29	19	11	33	38	17	7	30	26	18	8	....	....	....	19.5
Wellsburg	Maximum	40	37	37	35	30	39	42	39	39	36	24	34	40	39	38	50	51	45	38	56	56	33	40	47	61	49	42	44	....	....	....	41.5
	Minimum	31	31	32	29	23	20	30	27	32	18	10	3	30	31	21	14	30	25	17	31	33	14	18	10	28	33	22	16	....	....	....	23.6
Weston	Maximum	45	44	42	33	35	40	38	45	45	39	22	34	50	55	46	42	59	58	50	45	51	55	60	62	56	50	39	35	....	....	....	45.5
	Minimum	30	31	32	29	25	14	30	30	28	20	9	10	32	40	35	19	20	45	29	21	40	38	28	29	34	29	27	20	....	....	....	27.6
Wheeling§	Maximum	37	39	38	35	29	42	36	41	38	23	28	39	43	42	37	40	60	46	36	42	63	55	36	53	58	59	34	....	....	....	....	41.8
	Minimum	30	28	30	30	10	20	20	26	27	20	11	7	18	35	32	20	20	20	27	7	14	35	15	12	17	33	22	15	....	....	....	21.5
Southern Division																																	
Bluefield	Maximum	46	51	44	30	28	41	...	44	41	35	27	48	59	....	41	44	49	45	47	44	....	41	46	55	69	68	45	....	....	....	....	45.5
	Minimum	15	24	24	19	18	21	....	35	33	21	16	20	41	....	30	30	32	45	33	30	....	31	34	32	46	41	34	....	....	....	....	29.5
Charleston	Maximum	39	55	42	38	32	53	42	45	52	30	32	41	62	60	47	52	64	64	64	60	68	62	37	62	63	51	38	53	....	....	....	50.4
	Minimum	37	35	34	30	26	28	34	34	30	20	20	23	43	43	34	30	30	47	25	30	48	35	30	30	47	38	28	28	....	....	....	32.8
Gary§	Maximum	44	55	42	38	34	50	50	52	55	29	28	48	64	62	45	47	60	60	50	51	65	62	36	58	62	46	50	....	....	....	....	49.7
	Minimum	41	35	35	33	29	19	21	30	30	25	16	13	15	44	41	27	21	22	40	19	20	39	34	26	28	41	28	18	....	....	....	18.2
Hinton§	Maximum	54	56	54	42	40	56	42	42	42	34	40	42	62	50	42	40	54	58	48	48	60	52	50	64	56	50	36	56	....	....	....	48.9
	Minimum	45	42	42	40	30	25	40	34	36	32	22	20	40	42	36	34	28	40	44	30	32	48	38	33	50	32	36	28	....	....	....	35.7
Huntington§	Maximum	38	48	45	40	30	32	38	45	44	27	27	45	58	53	40	40	58	54	35	50	65	57	32	56	57	45	33	50	....	....	....	44.4
	Minimum	35	35	35	36	26	24	26	30	36	27	14	14	20	45	38	26	24	25	25	25	27	43	28	27	27	40	31	22	....	....	....	29.0
Lewisburg	Maximum	46	43	41	37	32	42	43	43	44	41	25	34	54	62	46	41	51	50	43	46	60	58	58	48	62	56	41	45	....	....	....	45.2
	Minimum	31	31	31	28	23	2	31	25	25	15	8	19	29	40	35	23	15	31	27	20	34	47	28	16	36	36	23	15	....	....	....	25.5
Marlinton	Maximum	36	40	34	30	28	38	40	38	34	30	12	32	48	54	36	34	48	40	42	42	56	54	48	42	54	46	38	42	....	....	....	39.9
	Minimum	26	26	26	22	12	-2	30	20	28	12	4	0	26	32	30	18	19	26	20	14	30	44	24	12	26	28	14	12	....	....	....	20.4
Point Pleasant	Maximum	42	50	45	40	35	52	50	48	40	40	35	38	57	55	45	45	60	53	50	52	54	66	60	55	57	57	44	40	....	....	....	48.8
	Minimum	30	32	34	32	26	25	23	29	35	20	8	9	30	35	30	30	18	33	22	20	33	28	21	20	40	36	24	20	....	....	....	26.5
Ravenswood	Maximum	41	48	45	36	39	48	57	41	43	37	31	39	58	58	43	42	59	62	54	49	63	62	45	67	67	53	42	47	....	....	....	49.1
	Minimum	32	32	33	33	27	24	35	31	35	20	9	12	32	39	36	25	22	36	27	18	30	44	26	17	44	37	26	19	....	....	....	28.6
Robertsburg§	Maximum	42	48	38	35	31	50	39	43	45	22	27	40	58	56	40	44	62	55	32	52	62	58	30	60	57	44	33	50	....	....	....	44.8
	Minimum	31	30	32	32	27	21	27	28	29	22	9	9	14	38	35	24	19	21	32	19	22	34	25	20	22	27	27	16	....	....	....	24.7
Ryan	Maximum	35	34	48	41	35	45	45	41	47	35	23	40	57	54	43	44	60	55	48	50	65	59	43	60	60	50	34	47	....	....	....	46.6
	Minimum	27	29	29	30	24	25	29	28	31	16	6	5	30	38	33	21	15	32	27	15	27	42	24	15	50	31	24	13	....	....	....	25.8
Spencer§	Maximum	35	47	49	35	31	36	39	39	45	23	20	40	56	55	50	40	60	55	39	47	57	59	32	59	59	43	28	51	....	....	....	43.9
	Minimum	33	30	32	32	25	20	30	30	31	21	10	10	20	40	35	23	19	37	38	18	38	47	25	18	32	38	26	18	....	....	....	27.7
Sutton	Maximum	45	47	47	35	32	47	47	39	42	42	21	38	55	57	57	43	60	60	54	46	67	67	55	61	61	56	45	45	....	....	....	49.0
	Minimum	30	30	30	28	22	8	30	27	32	17	9	4	29	34	34	21	15	33	27	18	22	32	25	15	34	31	25	13	....	....	....	24.1
Union	Maximum	48	45	47	35	35	42	....	47	49	50	21	35	57	....	60	41	51	54	50	45	....	61	59	49	59	59	45	....	....	....	....	47.8
	Minimum	29	29	29	29	22	7	....	23	24	20	7	7	28	....	31	21	16	31	28	19	....	28	29	19	36	35	24	....	....	....	....	23.8
White Sulphur Spgs§	Maximum	39	36	36	38	38	38	42	47	36	26	40	51	64	41	42	57	54	44	58	67	62	42	51	64	47	41	44	....	....	....	....	46.3
	Minimum	32	32	31	28	7	16	22	21	23	10	13	18	31	34	26	13	22	38	22	32	40	33	15	25	38	26	18	23	....	....	....	24.7
Williamson§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[WBO Cleveland, 4-26-26--830]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

JUN 2 192

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIV Parkersburg, W. Va., March, 1926 No. 3

GENERAL SUMMARY

March was exceptionally cold and generally cloudy, with the precipitation much deficient. The snowfall, however, was nearly twice the March average. It was the coldest March since 1891, except in 1915, when the State March average was 34.4°, while the month under consideration had an average of 35.9°. From the 2d to the 17th the temperature was continuously low, the longest cold period in any March of State record. While the precipitation was much below the normal, measureable amounts of rain or snow fell on an average of 13 days, and precipitation was recorded in some locality of the State on every day during the month. The rivers were at only moderate stages. Fruit buds were dormant at the close of the month, the outlook for fruit being excellent. While stock kept n good condition during the winter, feed was becoming scarce ıt the close of March.

TEMPERATURE

The monthly mean for the State, determined from the read- ugs of 50 stations, was 35.9°. The departure from the nornal for 42 stations having ten or more years of record was −6.8°. The month opened slightly warmer than usual, but ontinued cold weather prevailed from the 2d to the 17th, with he lowest temperatures for the month, ranging generally from ear zero to 12° above zero, occurring generally from the 3d to ıe 5th. The temperature was again much below the normal om the 26th to the 29th. The warmest weather for the month ccurred from the 18th to the 25th, the highest temperature eing noted on the 19th, 22d, and 24th.

PRECIPITATION

The average precipitation for the State, determined from the adings of 82 stations, was 2.87 inches. The departure from e normal for 48 stations having ten or more years of record ıs —0.94 inch. While the precipitation was quite favorably stributed, the monthly amounts were greatest over the northı mountain counties and least over the extreme eastern and stern counties. The greater part of the precipitation was eived on the 2-3d, 7-8th, 11-12th, 15-17th, 20th-21st, 22-d, and 26-27th, the greatest amounts being measured on the 7th, 23d, and 26th. Most of the snowfall was received on 2-3d, 7-8th, 11-13th, 15-17th, and 26-27th, the greatest ounts being measured on the 7-8th, 15-17th, and 26-27th. e greatest snowfall for the month, 60 inches, was measured Pickens, Randolph County.

MISCELLANEOUS PHENOMENA

ogs, dense: Arbovale, Bancroft, Huntington, and Marlinton, h; Bruceton Mills, Pickens, and Terra Alta, 20th; Terra a, 21st; Elkins and Marlinton, 22d; Terra Alta, 26th.

Hail: Aberdeen, Bens Run, Benson, Brownsville, Cairo, Fairmont, Horner, and Parkersburg, 18th; Creston, Grafton, Moundsville, New Martinsville, and Wheeling, 31st.

Halos, lunar: Bayard and Wheeling, 28th.

Halos, solar: Terra Alta, 17th; Bayard, 30th.

Sleet: Bayard, 2d; Elkins, Marlinton, Martinsburg, and Pickens, 7th; Crawford and Terra Alta, 18th; Brownsville, 27th; Terra Alta, Stony River Dam, and Upper Tract, 31st.

Thunderstorms (dates and number of stations reporting): 8th, 1; 18th, 17; 22d, 1; 23d, 3; 24th, 1; 31st, 7.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.04	79	60	72	138.8	38	7,538	10.1	40	sw.	31
Columbus, Ohio	30.02	80	65	73	164.7	45	8,681	11.7	38	nw.	23
Elkins	30.04	81	64	76	132.3	36	5,823	7.8	38	se.	31
Lexington, Ky	30.06	82	72	....	132.5	36	11,967	16.2	56	sw.	31
Parkersburg	30.04	72	54	64	129.1	35	5,805	7.8	31	w.	31
Pittsburgh, Pa	30.01	78	62	64	173.3	47	10,351	13.9	52	se.	31
Wytheville, Va	30.01	71	56	63	200.0	54	6,949	9.3	42	sw.	7

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	34.9	......	......	4.91	......	......	......	......	......	......
1892	36.4	87	8	3.50	......	......	......	......	......	......
1893	40.7	84	3	1.49	2.89	0.89	5.2	8	8	15
1894	45.8	88	1	1.94	3.05	0.75	1.9	15	9	7
1895	39.6	90	0	3.05	4.75	0.89	7.9	11	9	11
1896	36.1	76	−10	4.45	8.40	1.76	......	10	8	13
1897	46.1	81	12	3.60	6.52	1.33	......	9	10	12
1898	48.5	86	9	5.13	10.05	1.25	T.	8	9	14
1899	42.5	76	0	5.82	8.48	2.40	4.5	7	9	15
1900	38.5	78	− 5	3.79	6.48	2.18	14.7	7	9	15
1901	42.9	83	−11	3.23	5.27	0.90	2.3	8	8	15
1902	43.4	80	− 5	4.30	6.29	3.00	15.0	10	9	12
1903	51.3	87	13	4.47	6.59	2.70	0.2	10	9	12
1904	43.8	86	7	4.12	6.10	1.38	1.9	9	8	14
1905	46.6	88	− 2	4.10	6.46	1.45	0.7	14	7	10
1906	37.3	75	− 7	4.77	8.11	1.98	13.4	7	6	18
1907	49.6	94	2	4.77	8.18	1.05	4.2	12	8	11
1908	47.8	89	15	6.04	8.60	1.23	1.1	11	8	12
1909	40.8	83	10	3.38	8.66	1.10	4.7	9	10	12
1910	49.5	90	5	0.55	2.25	0.04	1.1	18	9	4
1911	40.5	90	− 5	3.30	7.86	1.12	5.2	11	8	12
1912	39.9	80	6	5.02	9.36	1.78	5.1	8	7	16
1913	45.7	89	− 3	4.53	7.90	1.77	2.7	11	9	11
1914	37.3	83	−13	3.03	7.11	0.89	17.7	10	8	13
1915	34.4	63	7	1.61	4.32	0.53	6.7	12	7	12
1916	38.5	88	− 4	4.88	9.88	2.49	9.0	11	7	13
1917	41.9	85	− 3	6.58	14.20	3.10	11.6	14	4	13
1918	46.5	85	9	4.26	9.37	1.55	0.1	16	5	10
1919	44.5	81	12	2.92	4.81	1.60	0.8	16	6	9
1920	42.8	83	− 5	3.38	8.87	1.40	3.1	17	5	9
1921	52.7	90	10	2.84	5.75	0.63	T.	14	8	9
1922	45.0	85	0	5.33	8.19	1.40	3.3	10	5	16
1923	41.7	82	− 4	3.23	5.50	0.88	3.2	15	5	11
1924	38.9	83	4	4.16	7.86	1.60	9.9	10	7	14
1925	43.6	82	−12	3.25	6.59	1.00	2.2	12	6	13
1926	35.9	75	− 9	2.87	9.82	0.35	10.0	10	7	14
Means and extremes	42.6	94	−13	3.85	14.20	0.04	5.3	11	8	12

Climatological Data for March, 1926

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	25	31.0	-6.7	64	19	-9	6	55	4.91	+0.53	1.06	22.5	19	9	3	19	w.	U. G. Clark
Brandywine	Pendleton	1,586	10	33.4	-9.0	65	20	6	6	34	1.10	-1.78	0.35	2.0	4	13	14	4	n.	Elmer Keister
Burlington^{b}	Mineral	875	32	37.0	-4.2	75	20	2	4	49	.....	.....	.....	.....	.....	11	15	3	nw.	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	37	.....	.....	.....	.....	.....	.....	.....	1.23	-1.83	0.49	T.	7	.....	.....	.....	.....	J. C. Newcomer
Martinsburg	Berkeley	435	34	38.8^{a}	-2.5	73^{a}	27	10	6	47^{a}	1.55	-1.75	0.40	0.2	10	27	2	2	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	30	41.6	-2.3	75	19	8	6	47	1.99	-0.68	0.82	0.8	9	23	0	8	.....	M. S. Henkel
Piedmont	Mineral	1,053	13	35.0	-3.4	68	19	7	6	38	1.09	-2.21	0.60	T	6	12	6	13	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	28	35.8^{a}	-6.8	73^{a}	19	6	6	46^{a}	.....	.....	.....	.....	.....	8	13	10	.....	George E. Bergdoll
Stony River Dam	Grant	3,300	6	.....	.....	.....	.....	.....	.....	.....	3.54	.....	0.55	27.5	19	4	10	17	w.	A. C. Becker
Upper Tract	Pendleton	1,230	27	34.2^{c}	-8.7	67^{c}	19†	8^{c}	7	42^{c}	0.35	-2.19	0.25	.....	2	13^{a}	0^{a}	17^{a}	w.	J. M. Mallow
Wardensville	Hardy	1,200	8	37.8^{e}	.....	72^{e}	24	3^{d}	6	59^{g}	1.03	.....	0.58	3.8	7	13^{e}	8^{e}	5^{e}	w.	Luther F. Sutton
Averages and	extremes	.....	....	36.1	-5.4	75	19†	-9	6	59	1.87	-1.42	1.06	7.1	9	14	7	10	w.	
Northern Division																				
Aberdeen	Upshur	1,060	2	.....	.....	.....	.....	.....	.....	.....	3.40	.....	0.85	6.6	17	4	16	11	nw.	L. Else Bond
Bens Run	Pleasants	652	24	37.8	-5.4	69	19	10	5†	43	2.76	-1.38	0.60	5.0	13	6	15	10	.....	J. D. Riggs
Benson^{a}	Harrison	1,080	3	36.8	.....	69	19†	7	5	42	3.26	.....	0.64	1.1	15	11	12	7	.....	R. D Marts
Brownsville	Lewis	1,032	3	38.9	.....	72	22	8	5	47	3.02	.....	0.67	.....	16	5	14	12	.....	George M. Myers
Bruceton Mills	Preston	1,549	6	.....	.....	.....	.....	.....	.....	.....	4.19	+0.78	0.64	29.8	15	2	10	19	w.	W. M. Wolf
Buckhannon	Upshur	1,411	29	36.4	-5.2	68	22	8	5	40	3.46	-1.06	0.82	16.0	11	9	5	17	.....	H. A. Darnall
Cairo	Ritchie	680	27	36.8	-8.5	71	19	6	5	41	2.62	-1.53	0.79	3.5	15	9	9	13	.....	O. C. Hess
Clarksburg	Harrison	1,015	4	35.0^{a}	.....	69^{a}	19†	5	5	49^{a}	2.56	.....	0.51	6.2	16	8	5	18	nw.	Clarksburg Water Board
Cortland	Tucker	3,300	15	.....	.....	.....	.....	.....	.....	.....	3.91	-0.24	0.90	17.0	7	5	18	8	.....	G. W. Harmon
Crawford	Lewis	1,107	3	.....	.....	.....	.....	.....	.....	.....	2.96	.....	0.60	8.5	14	10	7	14	w.	George W. Blair
Creston	Wirt	640	24	37.7	-6.5	71	24	10	5	41	2.80	-1.22	0.60	10.1	11	8	1	22	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	5	.....	.....	.....	.....	.....	.....	.....	2.50	.....	0.36	9.0	18	.....	.....	.....	.....	Lockmaster
Dam 12 O. R.	Ohio	660	10	.....	.....	.....	.....	.....	.....	.....	1.41	.....	0.38	.....	12	.....	.....	.....	.....	Lockmaster
Dam 13 O. R.	Ohio	655	10	.....	.....	.....	.....	.....	.....	.....	1.87	.....	0.40	.....	16	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	5	.....	.....	.....	.....	.....	.....	.....	2.87	.....	0.40	8.0	18	.....	.....	.....	.....	Lockmaster
Davis	Tucker	3,093	17	.....	.....	.....	.....	.....	.....	.....	4.79	+0.48	0.61	40.5	20	6	8	17	w.	Ross C. Male
Elkins	Randolph	1,947	25	32.4	-7.6	66	22	5	6	43	3.58	-0.49	0.89	18.2	23	5	8	18	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	1	.....	.....	.....	.....	.....	.....	.....	2.95	.....	0.45	13.7	20	4	6	21	.....	Claude A. Cunningham
Fairmont	Marion	883	20	35.0	-6.7	70	19	9	6	42	2.96	-1.02	0.40	14.4	20	16	0	15	w.	Creed E. Bolyard
Glenville	Gilmer	738	32	39.6	-4.7	74	24	8	5	41	3.62	-0.62	0.61	5.8	15	11	9	11	w.	Howard R. Brannon
Grafton (near)	Taylor	1,000	33	36.3^{a}	-6.4	72^{a}	18†	9	4†	48^{a}	3.53	-0.42	0.57	12.3	16	7	7	17	w.	Curtis Boice
Horner	Lewis	1,044	3	.....	.....	.....	.....	.....	.....	.....	2.97	.....	0.80	8.0	13	14	4	13	.....	Thomas E. Miles
Horton	Randolph	2,840	1	.....	.....	.....	.....	.....	.....	.....	2.79	.....	0.62	19.5	14	5	5	21	sw.	J. W. White
Janelew(near)	Lewis	1,020	3	38.2	.....	73	22	6	5	48	3.26	.....	0.65	2.5	11	11	8	12	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	28	34.9	-7.8	68	19†	6	5	47	3.04	-1.05	0.56	4.5	13	7	6	18	w.	Allen Smith
Mannington	Marion	985	23	36.0	-6.9	69	19	9	5	42	3.55	-0.20	0.81	8.8	18	10	8	13	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	33	35.6	-6.4	68	19†	7	5	35	2.76	-0.95	0.60	9.0	11	4	11	16	s.	Prof. E. L. Andrews
Moundsville	Marshall	689	23	37.3	-5.8	70	19	7	5	41	2.01	-1.31	0.50	4.9	8	8	7	16	sw.	U. S Signal Corps
New Cumberland	Hancock	671	28	32.4	-7.6	70	19	6	5†	43	1.30	-2.06	0.40	2.0	11	13^{a}	3^{a}	14^{a}	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	32	36.7	-6.9	70	19	5	5	41	1.95	-1.70	0.55	1.0	8	9	3	19	n.	Wm. Ankrom
Parkersburg	Wood	638	39	37.4	-5.4	70	19	12	5	35	2.49	-1.33	0.79	5.2	16	6	9	16	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	26	33.4	-6.5	70	22	10	5	44	4.96	+0.90	2.00	11.0	12	7	5	19	.....	J. W. Swisher
Philippi	Barbour	1,550	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Prof. W. B. Pimm
Pickens	Randolph	2,697	23	30.4	-9.3	67	22	1	6	46	9.82	+4.04	1.79	60.0	20	8	7	16	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	3	.....	.....	.....	.....	.....	.....	.....	2.81	.....	0.78	9.3	14	7	10	14	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	39	.....	.....	.....	.....	.....	.....	.....	4.76	+0.46	0.78	30.0	20	.....	.....	.....	.....	J. F. Pierce
Saint Marys	Pleasants	577	17	.....	.....	.....	.....	.....	.....	.....	2.42	-1.20	0.83	2.0	18	.....	.....	.....	sw.	Wm. Hughes
Smithfield	Wetzel	850	20	30.2	-11.4	65	21	8	5	37	1.43	-2.54	0.46	7.0	10	16	3	12	.....	G. M. Whisler
Terra Alta	Preston	2,559	25	28.4	-10.6	58	22	-6	6	45	4.22	-0.60	0.72	28.9	19	7	6	18	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	3	38.1	.....	69	30	12	5	41	3.28	.....	0.69	4.5	12	16	0	15	w.	J. C. Campbell
Vandalia	Lewis	1,120	3	.....	.....	.....	.....	.....	.....	.....	3.45	.....	1.09	.....	8	.....	.....	.....	.....	Miss Phyllis West
Wellsburg	Brooke	668	25	35.8	-3.4	68	19†	4	5	42	1.74	-1.48	0.46	T.	7	11	11	9	w.	George P. Pfister
West Milford	Harrison	979	1	.....	.....	.....	.....	.....	.....	.....	3.41	.....	0.59	.....	11	.....	.....	.....	.....	Miss Dicie E. Wagner
Weston	Lewis	1,026	30	38.9	-4.9	75	22	11	5	46	.....	.....	.....	.....	.....	4	23	4	.....	Weston State Hospital
Wheeling	Ohio	645	39	34.4^{a}	-6.8	74^{a}	17	5	5†	55^{a}	1.10	-1.96	0.24	5.6	14	16	4	11	sw.	Miss M. B. Forsyth
Averages and	extremes	.....	....	35.6	-6.9	75	22	-6	6	55	3.13	-0.64	2.00	11.7	14	8	8	15	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	....	.....	.....	.....	.....	.....	.....	.....	2.77	.....	0.65	13.0	14	10	3	18	w.	H. S. Sutton
Bancroft	Putnam	574	22	36.7	-7.8	70	24	12	14	39	2.98	-0.96	0.70	9.8	15	20	0	11	ne.	R. E. Dent
Beckley^{a}	Raleigh	2,440	26	33.6	-9.8	67	24	10	3	33	.....	.....	0.64	9.8	.....	6	6	18	w.	K. E. Williams
Bluefield	Mercer	2,558	31	.....	.....	69^{d}	22	.....	.....	.....	3.06	-0.60	.....	10.0	17	5^{d}	12^{d}	10^{d}	.....	Norfolk & Western R
Camden-on-Gauley	Webster	2,029	11	.....	.....	.....	.....	.....	.....	.....	1.80	.....	1.00	T.	2	6	0	25	n.	Miss Katie Jarvis
Charleston	Kanawha	600	23	38.3	-10.4	75	25	15	14	37	2.64	-1.78	0.70	6.0	14	13	0	18	.....	R. O. Fields
Clay	Clay	706	10	.....	.....	.....	.....	.....	.....	.....	2.92	.....	0.49	.....	18	.....	.....	.....	.....	Ted Thomas
Dam 6 G. K.	Kanawha	598	....	.....	.....	.....	.....	.....	.....	.....	2.11	.....	0.66	.....	10	.....	.....	.....	.....	Lockmaster
Dam 19 O. R.	Wood	600	10	.....	.....	.....	.....	.....	.....	.....	2.32	.....	1.10	.....	11	.....	.....	.....	.....	Lockmaster
Dam 20 O. R.	Wood	600	10	.....	.....	.....	.....	.....	.....	.....	2.91	.....	1.23	.....	13	.....	.....	.....	.....	Lockmaster
Dam 26 O. R.	Mason	564	10	.....	.....	.....	.....	.....	.....	.....	2.11	.....	0.72	.....	12	.....	.....	.....	.....	U. S. Engineer Office
Gary	McDowell	1,426	10	37.4	.....	71	24	15	3	45	2.48	.....	0.43	2.0	11	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	29	.....	.....	60	24	.....	.....	.....	2.62	-1.43	0.48	4.8	11	9	5	17	.....	Mrs J. R. Baber
Huntington	Cabell	538	32	37.4	-7.2	71	24	15	14†	38	2.64	-1.69	0.98	7.6	12	13	4	14	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	7	.....	.....	.....	.....	.....	.....	.....	2.06	.....	0.55	.....	8	.....	.....	.....	.....	J. O. Brown
Kayford	Kanawha	1,335	10	.....	.....	.....	.....	.....	.....	.....	3.13	.....	0.56	10.0	19	.....	.....	.....	.....	Cabin Creek Con. Coal
Kermit	Mingo	579	0	.....	.....	.....	.....	.....	.....	.....	2.92	.....	0.80	7.2	8	.....	.....	.....	.....	E. B. Kirk
Lewisburg	Greenbrier	2,250	26	36.2	-5.8	67	25	11	3†	45	2.48	-1.48	0.71	8.5	10	9	8	14	nw.	Geo. T. Argabrite
Logan	Logan	700	23	.....	.....	.....	.....	.....	.....	.....	3.20	-2.05	0.74	.....	11	.....	.....	.....	.....	J. R. Wampler
Marlinton	Pocahontas	2,131	27	29.9	-8.7	58	19†	4	6	40	4.27	-0.09	0.80	16.5	14	3	23	5	sw.	S. L. Brown
Organ Cave	Greenbrier	.....	0	.....	.....	.....	.....	.....	.....	.....	1.66	.....	0.50	6.5	9	6^{a}	4^{a}	20^{a}	w.	J. J. Hedrick
Point Pleasant	Mason	595	33	39.7	-5.7	75	24	11	3†	40	2.52	-1.63	0.77	2.6	11	16	1	14	ne.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	11	37.3	.....	70	24	11	5	42	2.45	.....	0.68	4.0	9	5	0	26	nw.	Lockmaster
Robertsburg	Putnam	570	26	35.6	-9.0	72	19	12	14	40	2.11	-1.97	0.64	3.0	13	13	0	18	.....	M. Frazier
Ryan	Roane	700	23	35.4	-8.5	70	19†	8	5	44	3.38	-0.94	0.44	11.2	18	6	8	17	.....	Wm. E. Ryan
Sharples	Logan	.....	6	.....	.....	.....	.....	.....	.....	.....	3.06	.....	0.81	.....	.....	.....	.....	.....	.....	R. W. Howard
Spencer††	Roane	789	22	36.0	-6.9	70	24	11	5	38	2.96	-0.98	0.40	10.1	16	0	14	17	.....	A. M. McKown
Sutton	Braxton	850	20	36.6	-9.0	75	24†	10	5†	41	4.38	+0.35	0.79	23.0	14	15	0	16	.....	C. B. Eakle
Union^{d}	Monroe	2,250	22	37.3	-5.8	72	25	9	3	47	4.08	+0.34	0.80	17.6	14	3	10	14	.....	W. M. H. Young
Wayne	Wayne	598	....	.....	.....	.....	.....	.....	.....	.....	2.80	.....	0.80	.....	12	.....	.....	.....	.....	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	16	36.4^{a}	-8.3	71^{a}	18†	8	2	49^{a}	2.47	-2.65	0.85	3.6	12	17	3	11	.....	H. E. Green
Williamson	Mingo	673	26	.....	.....	.....	.....	.....	.....	.....	2.46	-2.14	0.78	2.8	13	17	1	13	.....	H. C. Mohler
Averages and	extremes	.....	....	36.3	-8.0	75	24†	4	6	49	2.79	-1.25	1.23	8.1	12	10	5	16	w.	
State averages and	extremes	.....	....	35.9	-6.9	75	19†	-9	6	59	2.87	-0.94	2.00	10.0	13	10	7	14	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are use
determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.
Reference letters, a, b, c appearing in the table indicate number of missing days; for example, b represents two days, etc.

Daily Precipitation for March, 1926

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard|||	Potomac	....	.39	.23	.04	T.	....	.28	.19	.23	....	.03	....	.19	T.	T.	.16	....	T.	.60	.04	.20	....	.07	1.06	.03	.19	.66	.09	....	....	.23	4.91
Brandywine	...do	....	T.	....	....	....	....	.25	....	T.	....	T.	T.	T.	....	....	....	....	.25	....	T.	....	....	T	....	....	.35	....	....	....	T.	.25	1.10
Burlington	...do	....	....	T.	T.	T.	T.	T.	T.	....	T.	.15	....	....	....	....	T.	T.	....	....	....	....	T.	....	....	....	.08	....	....	....	....	....	‡‡‡
Harpers Ferry|||	...do	....	.11	....	....	....	....	.15	....	....	....	....	.13	....	....	....	....	....	....	....	....	....	....	.07	....	....	.35	.14	....	....	....	.28	1.23
Martinsburg|||	...do	....	.02	T.	....	....	....	.18	.28	....	....	.10	.15	....	....	....	T.	T.	....	....	....	....	.08	.04	....	....	.10	.20	....	....	....	.40	1.55
Moorefield	...do	....	....	....	....	....	....	.25	....	....	....	.18	.04	....	....	....	.02	T.	.10	....	....	....	....	....	.15	....	.82	.12	T.	....	....	.31	1.99
Piedmont	...do	....	....	.06	....	....	....	.27	....	....	....	....	....	....	....	....	....	....	.14	....	.01	....	....	.01	....	....	....	....	....	....	....	.60	1.09
Romney|||	...do	....	....	....	....	....	.48	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	.70	....	....	....	.30	‡‡‡
Stony River Dam|||	...do	....	.16	.16	.16	....	....	.55	.08	.16	.08	.24	.08	.08	....	....	....	.08	....	....	.02	.20	....	.20	.25	....	.32	.16	.16	....	....	.40	3.54
Upper Tract	...do	....	T.	T.	....	....	T.	T.	....	....	T.	T.	....	....	....	....	....	....	T.	....	....	....	T.	T.	....	T.	.10	T.	....	....	....	.25	0.35
Wardensville|||	...do	....	T.	....	....	....	....	.15	....	....	....	.04	....	....	....	....	.04	....	T.	....	....	....	....	T.	.02	....	.58	.10	.10	....	....	....	1.03
Northern Division																																	
Aberdeen	Monongahela	T.	.53	.05	....	....	....	.85	.08	.02	....	.20	....	.02	....	.02	.03	.02	.10	....	.26	T.	....	.34	....	....	.58	.08	.02	....	....	.20	3.40
Bens Run	Ohio	.40	.22	....	T.	....	....	.45	.02	....	....	.22	....	....	....	....	T.	.05	.15	....	.28	....	.03	.60	....	....	.16	.05	....	....	....	.13	2.76
Benson	Monongahela	....	.52	.01	T.	....	....	.64	.06	.02	....	.21	....	T.	....	.02	.01	.02	.08	....	.29	....	....	.48	....	....	.45	.16	T.	....	....	.29	3.26
Brownsville	...do	....	.47	.02	T.	....	....	.67	.03	.02	....	.25	T.	T.	....	.02	.04	.03	.24	....	.25	....	....	.32	....	....	.36	.05	.01	....	....	.24	3.02
Bruceton Mills	...do	....	.64	.20	.04	T.	....	.40	.28	.28	....	.18	T.	T.	T.	.20	.16	T.	.30	....	.19	....	....	.43	....	T.	.51	.28	....	....	T.	.10	4.19
Buckhannon	...do	....	.45	T.	T.	....	....	.82	.20	.20	....	.20	T.	T.	....	T.	.20	T.	.10	....	.35	....	....	.35	....	....	.35	T.	T.	....	T.	.24	3.46
Cairo	Little Kanawha	.02	T.	T.	....	T.	....	.43	.02	.01	....	.27	T.	T.	....	.02	.03	.06	.11	....	.29	....	.05	.79	....	....	.26	.06	....	....	T.	.20	2.62
Clarksburg|||	Monongahela	....	.51	T.	....	.02	....	.38	.16	.02	....	.18	.05	....	T.	T.	T.	.04	.04	.15	....	.17	....	.32	.03	....	.37	.05	.07	....	....	....	2.56
Cortland|||	...do	....	.32	....	....	....	....	....	....	....	.56	....	....	....	....	....	....	....	.45	....	....	.90	....	....	.60	.48	....	....	....	....	.60	....	3.91
Crawford	Little Kanawha	....	.33	....	T.	....	....	.57	.09	.11	....	....	....	.04	....	.03	.04	.03	.08	....	.31	....	....	.40	....	....	.58	.02	....	....	....	.33	2.96
Creston|||	Monongahela	....	.29	T.	....	T.	....	.38	.10	T.	....	.20	T.	.02	....	T.	.15	.60	....	.15	T.	.21	....	.50	....	....	.20	T.	T.	T.	....	T.	2.80
Dam 10, Mon. R.|||	Ohio	....	.36	.05	....	....	....	.27	.15	.05	....	.10	.09	....	.01	.01	....	....	.14	.13	.03	.10	....	.28	.23	....	.27	.15	.08	....	....	....	2.50
Dam 12, O. R.|||	...do	....	....	.01	T.	....	....	.26	.04	....	....	....	T.	....	....	.02	....	T.	.21	....	.09	.22	....	.38	.04	....	.04	.09	....	....	....	.01	1.41
Dam 13, O. R.|||	Monongahela	....	....	.08	....	.01	....	.28	.06	....	....	.04	....	....	....	.03	....	.02	.15	....	....	.28	.40	.32	.06	.02	.04	.05	....	....	....	.03	1.87
Dam 15, Mon. R.|||	...do	....	.40	.04	.06	....	....	.38	.22	.11	....	.07	.06	....	....	T.	T.	.03	.06	.31	.03	.08	....	.30	.31	....	.26	.08	.07	....	....	....	2.87
Davis|||	...do	....	.36	.24	.13	.16	....	.61	.26	.52	....	.06	.08	.04	.02	T.	T.	.05	....	.28	.08	.24	....	.40	.14	.48	.44	.20	....	....	....	....	4.79
Elkins***	Monongahela	.22	.19	.06	.01	....	.03	.56	.16	.05	....	.13	.02	.03	T.	.06	.21	.03	.12	.02	.24	....	.09	.15	....	T.	.89	.13	.02	....	T.	.16	3.58
Evenwood	...do	....	.12	.10	.02	.09	....	.12	.15	.11	....	.02	.06	.02	....	.08	.07	.11	.09	....	.32	....	....	.45	....	T.	.37	.28	.07	....	T.	.30	2.95
Fairmont|||	...do	....	.05	.14	.02	T.	....	.40	.12	.11	T.	.20	.03	T.	T.	.01	T.	.04	.30	.25	.03	.10	....	.37	.25	.01	.40	.04	.09	....	....	T.	2.96
Glenville|||	Little Kanawha	....	.56	.05	....	....	....	.52	.26	.14	.05	.12	T.	.20	....	T.	.32	.14	....	T.	T.	.36	....	.54	....	....	.22	.10	.04	....	....	....	3.62
Grafton (near)|||	Monongahela	.57	.08	.06	....	....	.43	.14	....	....	.12	....	....	....	.02	.08	.02	.34	T.	....	.30	....	.50	....	....	.26	.04	.20	....	....	....	.37	3.53
Horner	...do	....	.45	.03	....	....	....	.80	.08	....	....	.15	....	.03	....	....	.05	.02	.18	....	.25	....	....	.37	....	....	.52	.04	....	....	....	....	2.97
Horton	Monongahela	....	.21	.32	T.	....	....	.51	T.	.08	....	.09	T.	.14	....	T.	.09	.09	.07	....	.05	....	....	.17	....	....	.62	.13	T.	....	....	.22	2.79
Janelew (near)	...do	....	.60	.05	....	....	....	.65	.08	....	....	.15	....	....	....	....	....	.08	.16	....	.27	....	....	.47	....	....	.50	....	....	....	....	.25	3.26
Lost Creek	...do	.15	.40	T.	T.	....	....	.56	.05	.02	....	.26	....	T.	....	.01	T.	T.	.13	....	.22	....	....	.46	....	T.	.47	.02	T.	....	T	.29	3.04
Mannington	...do	.10	.24	.08	.01	....	....	.50	.09	.02	....	.16	....	....	....	.03	T.	.01	.46	....	.14	....	....	.48	.33	....	.31	.11	.01	....	....	.47	3.55
Morgantown	...do	T.	.30	.04	....	....	....	.30	.16	....	....	.20	....	T.	....	T.	T.	....	.28	....	.13	....	....	.23	....	....	.60	.16	T.	....	....	.36	2.76
Moundsville|||	Ohio	....	T.	.16	....	....	....	.33	.15	....	....	T.	T.	....	T.	T.	T.	....	.30	....	.50	....	....	.41	....	....	.08	.08	....	....	....	T.	2.01
New Cumberland|||	...do	....	T.	T.	....	....	....	.27	.05	.08	....	.02	T.	....	....	.02	T.	....	.04	....	.14	.09	....	.40	.17	.02	....	....	....	....	....	....	1.30
New Martinsville	...do	....	T	T.	T.	T.	....	.55	T.	T.	T.	.20	....	T.	....	T.	T.	T.	T.	.05	....	....	....	.50	.20	....	.20	.05	T.	T.	....	.20	1.95
Parkersburg***	...do	T.	.04	T.	T.	....	.09	.24	.04	T.	T.	.21	T.	T.	T.	.12	.25	....	.03	....	.32	....	.68	.11	....	.01	.06	.04	T.	....	.05	.20	2.49
Parsons	Monongahela	....	.08	T.	....	....	....	.75	.24	.08	....	.08	T.	....	....	.04	....	.04	T.	....	....	....	.09	2.00	....	....	.24	.08	....	....	T.	1.24	4.96
ickens	...do	....	.48	.32	.08	.08	....	1.79	.64	.64	....	.08	.24	.16	....	.32	.32	.24	1.35	....	.38	....	T.	.38	....	T.	.64	.40	.16	....	....	1.12	9.82
Roanoke	..do	....	.46	T.	....	T.	....	.78	.15	.02	....	.19	....	.01	....	....	.12	.08	.11	....	.30	....	....	.17	....	....	.05	T.	.04	....	T.	.33	2.81
Rowlesburg|||	...do	....	.78	.05	.03	.02	....	.22	.40	.06	.02	.12	.03	....	....	....	.10	....	....	.55	.06	.38	....	.35	.41	....	.68	.32	.14	....	....	.04	4.76
aint Marys|||	Ohio	....	.06	....	T.	....	....	.17	.30	.04	....	.25	.03	....	....	.03	T.	.05	.03	.03	.12	.15	....	.83	.02	....	.13	.10	.06	....	....	.02	2.42
mithfield|||	Fishing Creek	....	....	.09	....	....	....	....	.10	.27	....	....	....	....	....	.02	.03	....	.26	.08	....	....	....	.38	.08	....	.12	....	....	....	....	....	1.43
erra Alta	Monongahela	....	.52	.01	.02	T.	....	.72	.02	.01	....	.13	.01	T.	T.	.03	.01	.02	.30	....	.33	....	....	.52	.21	T.	.58	.23	.04	....	....	.51	4.22
alley Chapel	...do	....	.69	.08	....	.02	....	.55	.08	.04	....	.20	....	....	....	.04	....	.18	....	....	....	....	....	....	....	.60	.40	....	....	....	....	.40	3.28
andalia	...do	....	1.09	....	....	....	....	....	....	....	....	.38	.41	....	....	....	....	....	.36	....	.31	....	.30	.02	....	....	....	....	....	....	....	.58	3.45
ellsburg	Ohio	....	T.	T.	....	....	....	.37	.01	....	....	.08	....	....	....	....	T.	....	.16	....	.31	....	....	.35	....	....	....	....	....	....	....	.46	1.74
est Milford	Monongahela	....	.59	....	....	....	....	.58	....	.10	....	.25	....	....	....	....	....	....	.20	....	.25	....	....	.50	....	....	.50	.05	....	.04	....	.35	3.41
eston	...do	....	.60	.04	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.30	....	....	.55	....	....	....	....	....	....	....	....	‡‡‡
heeling|||	Ohio	....	T.	.01	T.	T.	....	.15	.07	T.	....	.05	T.	....	....	.02	....	T.	.13	.01	.07	.17	....	.23	.05	....	.04	.09	T.	....	....	.01	1.10
Southern Division																																	
rbovale	Great Kanawha	....	.20	.04	T.	T.	....	.48	.04	T.	....	.08	T.	.04	....	.08	T.	.24	.10	....	....	....	....	.37	.04	....	.65	.16	T.	....	....	.25	2.77
ancroft|||	...do	....	.04	.04	....	....	....	.62	.04	....	....	.10	....	.20	....	.04	.08	.28	....	.10	....	.26	....	.70	....	....	.32	.10	.06	....	....	....	2.98
eckley	...do	....	....	....	....	....	....	....	.60	....	....	....	....	....	....	.64	....	....	....	....	....	....	.14	....	....	....	.15	....	....	....	....	....	‡‡‡
luefield	...do	.38	.08	.21	....	....	....	....	*	.44	....	.22	....	*	....	*	*	.52	....	....	.28	....	.12	.10	....	.01	.38	....	....	....	.03	.29	3.06
mden-on-Gauley|||	...do	....	T.	....	....	....	....	....	T.	....	....	....	....	T.	....	....	....	T.	....	....	.80	....	....	....	....	....	....	1.00	....	....	....	....	1.80
arleston|||	...do	....	.24	....	....	....	....	.28	.10	....	....	.10	.04	.16	....	....	....	.30	....	.04	....	.24	....	.70	.04	....	.28	.08	.04	....	....	....	2.64
ay|||	...do	....	.14	.06	.04	....	....	.34	.11	.04	.02	.10	.05	....	.16	....	.15	.27	....	.09	....	.23	....	.49	....	....	.42	.14	.07	....	....	....	2.92
m 6 G. K.|||	...do	....	....	....	.21	....	....	....	.32	....	....	.09	....	....	....	....	....	....	.32	....	....	.14	....	.66	....	*	.10	*	.27	....	....	....	2.11
m 19 O. R.|||	Ohio	....	T.	T.	....	T.	....	.30	.04	.02	....	.24	.03	T.	....	T	T.	T.	T.	....	.10	.30	....	1.10	.02	....	.03	T.	....	....	....	.14	2.32
m 20 O. R.|||	...do	....	.04	T.	T.	....	....	.32	.07	T.	T.	.20	T.	....	....	.06	.02	.30	T.	T.	.13	.32	....	1.23	....	....	.13	.03	T.	T.	....	.06	2.91
m 26 O. R.|||	...do	....	....	....	....	....	....	.40	.06	....	....	.18	.05	....	.15	.05	.05	.23	....	....	....	.15	....	.72	....	....	....	.05	.02	....	....	....	2.11
ry|||	Big Sandy	....	.35	T.	T.	....	....	.32	.08	T.	T.	.22	.09	.08	....	T.	T.	T.	.34	....	....	.21	....	.43	....	....	.30	....	....	....	....	.06	2.48
nton|||	...do	....	.20	....	....	.12	....	.47	....	T.	T.	.15	....	.22	T.	....	.04	.39	....	....	....	.10	....	.19	....	....	.48	....	....	....	....	.26	2.62
ntington|||	Ohio	....	.10	T.	....	....	....	.44	.04	T.	....	.18	.04	.14	....	.04	.02	.22	....	....	....	....	....	.98	....	....	.34	....	.10	....	....	T.	2.64
nawha Falls|||	Great Kanawha	....	.36	....	....	....	....	.20	.25	....	....	....	....	.03	....	....	....	....	....	....	....	.24	....	.55	....	....	.35	.08	....	....	....	....	2.06
yford|||	...do	....	.32	.04	....	.06	....	.25	.19	.06	....	.04	.07	.27	.05	.01	.15	.11	....	T.	....	.29	....	.56	.15	....	.34	.13	.04	....	....	T.	3.13
rmit|||	Big Sandy	....	.35	....	....	....	....	.35	.10	....	....	....	....	.30	....	....	.32	....	....	....	....	.50	....	.80	....	....	.20	....	....	....	....	....	2.92
visburg	Great Kanawha	.15	.08	....	....	....	....	.71	T.	T.	....	.14	T.	.40	....	T.	T	....	....	....	.28	....	....	.09	.03	T.	.56	T.	.04	....	....	....	2.48
an|||	Guyandotte	....	.25	....	....	....	....	.45	.08	T.	....	.28	.04	.25	....	T.	.12	.42	....	....	....	.15	....	.74	....	....	.42	....	....	....	....	....	3.20
rlinton	Great Kanawha	....	.05	T.	T	....	....	.70	.05	T	....	.24	T.	.15	....	.10	.10	.80	.22	....	.12	....	T.	.65	....	T.	.66	.05	T.	....	T.	.38	4.27
an Cave	...do	.10	....	T.	T.	T.	....	T.	.30	T.	T.	....	.10	*	.40	T.	....	.08	.04	T.	T.	....	....	....	....	....	.50	....	....	....	.14	....	1.66
nt Pleasant|||	Ohio	....	T.	....	....	....	....	.32	.05	....	....	.12	.04	....	....	.07	.08	.39	....	.11	T.	.38	....	.77	....	....	.19	T.	T.	....	....	....	2.52
enswood (Dam 22	Ohio	....	....	....	....	....	....	.32	T.	....	....	.25	T.	....	....	....	....	.33	....	.39	.06	.29	....	.68	T.	....	.08	T.	T.	....	....	.05	2.45
ertsburg|||	Great Kanawha	....	.03	....	....	....	....	.32	.04	....	....	.18	.01	.04	....	T.	T.	.27	....	.01	....	.21	....	.64	....	....	.30	.05	....	....	....	.01	2.11
n	...do	.40	.10	....	....	....	....	.36	.16	.01	....	.24	.08	.02	....	.07	.02	.08	.13	....	.33	....	.39	.32	....	....	.44	.11	....	....	....	.12	3.38
rples|||	Coal River	....	.45	....	....	....	....	.42	.12	....	....	....	....	.33	....	....	.13	....	....	....	....	.35	....	.81	....	....	.45	....	....	....	....	....	3.06
on	Great Kanawha	....	.35	.16	....	....	....	.79	.24	....	....	.28	.16	.08	....	T.	T.	.64	.55	....	.33	....	....	.12	....	....	.32	.08	....	....	....	.28	4.38
on	...do	.07	.28	.04	T.	....	....	....	.80	T.	....	.40	T.	.32	....	.40	.32	.51	....	....	.04	....	.05	.12	....	....	.57	....	....	....	....	.16	4.08
ne|||	Big Sandy	....	.18	.01	....	....	....	.35	.07	....	....	.19	T.	.28	.04	T.	T.	.14	....	....	....	.25	....	.80	....	....	.42	T.	.07	....	....	....	2.80
te Sulpr. Spgs.|||	Great Kanawha	.05	....	....	....	....	.85	....	....	....	....	....	.36	....	....	.01	.22	....	.06	....	.03	....	.03	.04	....	.57	.05	....	....	....	.20	....	2.47
iamson|||	Big Sandy	....	....	.07	....	....	....	.35	.03	T.	....	.10	.09	.08	.03	T.	.18	.12	....	....	....	.17	....	.78	....	....	.44	.02	T.	....	....	....	2.46

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ‡‡‡ Probably incomplete.

Daily Temperatures for March, 1926

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	53	49	19	22	23	46	51	36	26	42	41	32	32	29	30	30	40	45	64	61	54	62	56	61	59	55	34	33	51	52	49	43.1
	Minimum	11	16	9	13	4	−9	31	15	12	22	29	12	9	10	8	17	15	22	28	32	31	20	35	27	31	30	23	17	9	20	34	18.8
Brandywine	Maximum	40	37	28	30	30	40	40	40	32	40	41	36	30	32	32	30	36	52	64	65	53	55	55	50	56	56	32	37	50	52	52	42.7
	Minimum	26	20	18	16	13	6	27	24	18	21	32	30	14	12	15	24	20	25	31	35	34	21	40	32	40	30	22	20	16	24	40	24.1
Burlington	Maximum	63	63	31	26	29	30	42	45	42	34	35	39	39	32	31	48	50	56	73	75	70	68	69	70	71	71	68	56	60	....	....	51.2
	Minimum	42	31	13	2	4	8	16	11	12	28	29	34	13	12	19	18	20	19	33	35	21	24	25	21	48	51	31	24	18	....	....	22.8
Martinsburg§	Maximum	66	39	28	36	33	46	58	36	39	53	38	41	35	41	43	39	48	58	67	67	65	57	69	55	60	65	73	70	68	66	....	52.0
	Minimum	19	31	19	20	12	10	12	28	26	24	23	23	20	16	20	25	24	25	30	35	35	30	30	43	26	32	32	30	35	26	36	25.7
Moorfield	Maximum	67	55	52	40	34	50	66	66	54	65	56	40	35	42	51	46	48	65	75	69	59	66	62	69	69	64	46	45	62	64	63	56.3
	Minimum	34	15	20	19	15	8	33	28	22	30	32	22	19	17	20	27	26	21	28	38	34	24	46	37	41	32	30	26	27	25	39	26.9
Piedmont	Maximum	61	45	23	28	22	44	50	37	32	47	35	33	28	34	36	33	41	40	68	54	55	62	56	63	63	45	38	39	55	57	53	44.4
	Minimum	30	20	16	18	10	7	33	21	19	27	31	25	16	16	20	25	23	24	30	38	29	26	43	40	35	32	30	21	22	27	36	25.5
Romney	Maximum	59	32	27	32	31	49	54	30	37	50	36	37	29	38	39	36	57	55	73	62	60	66	54	67	67	46	43	55	59	58	....	47.9
	Minimum	35	24	17	18	12	6	10	25	20	22	29	28	17	16	21	23	24	20	27	30	27	23	31	40	36	21	29	22	20	24	37	23.7
Upper Tract	Maximum	....	24	24	30	30	30	45	43	31	32	33	53	33	36	35	39	44	52	67	67	67	54	50	65	....	....	65	65	59	56	52	45.8
	Minimum	....	22	16	20	13	10	8	24	23	19	20	24	15	16	15	19	20	25	31	33	34	29	29	40	....	....	24	23	19	25	36	22.6
Wardensville§	Maximum	65	52	45	39	36	62	54	....	42	49	45	....	....	45	40	35	50	54	68	64	53	64	59	72	70	42	40	42	59	....	....	51.8
	Minimum	30	24	16	23	14	3	30	24	....	20	29	25	....	....	15	20	23	19	24	28	29	21	30	39	32	31	27	17	24	25	....	23.8
Northern Division																																	
Bens Run	Maximum	57	44	27	28	30	53	48	38	39	50	42	39	29	34	35	35	42	57	69	63	58	65	56	68	63	50	47	41	56	66	67	48.3
	Minimum	37	22	16	18	10	10	33	18	20	18	32	23	15	18	23	26	24	29	34	43	36	30	40	38	45	33	30	26	26	31	41	27.3
Buckhannon	Maximum	57	40	25	28	24	50	55	35	32	45	42	34	28	30	30	32	39	48	67	57	54	68	58	66	64	44	38	38	54	65	67	45.6
	Minimum	40	20	14	18	8	13	35	20	17	32	34	26	14	16	17	22	25	26	34	45	36	28	40	40	44	33	30	25	24	28	43	27.3
Cairo	Maximum	59	43	27	27	28	50	53	33	39	51	40	39	28	35	35	33	42	56	71	57	59	65	51	70	65	52	47	40	58	66	68	48.0
	Minimum	31	22	18	19	6	9	33	19	25	24	32	25	14	15	18	25	21	22	32	38	36	25	30	39	41	33	30	26	21	25	40	25.6
Clarksburg	Maximum	59	27	26	27	30	59	48	30	36	49	38	31	28	31	33	32	43	54	69	53	57	69	50	68	61	45	36	41	56	65	....	45.0
	Minimum	24	22	16	17	5	10	11	22	19	22	32	26	15	14	18	25	24	25	31	37	35	28	36	38	42	33	32	22	22	28	40	24.9
Creston	Maximum	60	45	28	28	33	51	49	34	40	50	47	40	30	35	36	34	44	57	70	68	60	67	56	71	66	56	46	41	58	65	67	49.2
	Minimum	36	21	17	20	10	11	34	10	20	27	33	25	15	18	20	23	18	23	32	39	36	26	42	40	41	32	30	26	20	27	41	26.2
Elkins	Maximum	54	33	19	21	24	48	50	23	29	43	39	32	19	28	29	27	39	48	65	55	56	66	53	62	61	39	34	34	52	56	53	41.7
	Minimum	33	14	12	14	9	5	23	15	14	29	31	19	12	13	17	20	20	25	34	36	34	26	38	40	39	29	21	21	18	26	33	23.2
Fairmont§	Maximum	60	30	25	27	31	51	51	25	35	51	38	30	29	36	34	33	43	50	70	53	60	67	50	67	67	42	34	42	57	65	58	45.5
	Minimum	22	22	14	16	10	9	16	20	18	22	29	23	14	15	19	23	21	25	31	35	32	29	35	37	42	32	32	24	26	27	40	24.5
Glenville	Maximum	46	45	28	27	35	50	55	46	41	54	52	40	32	38	37	33	45	55	72	68	62	67	66	74	70	55	44	42	64	66	68	50.9
	Minimum	36	22	17	19	8	12	38	22	20	30	36	28	16	19	19	24	21	24	34	43	42	28	42	41	54	33	31	26	23	25	41	28.3
Grafton(near)	Maximum	31	27	42	41	57	53	27	41	53	40	40	32	37	35	36	44	56	72	55	62	72	53	68	66	45	35	42	60	67	65	....	48.5
	Minimum	20	14	17	9	9	35	21	17	25	30	23	13	14	15	17	17	25	28	41	32	24	39	34	37	31	29	18	21	24	40	27	24.1
Lost Creek	Maximum	58	43	22	23	26	50	48	32	33	49	45	36	28	33	33	30	41	51	68	63	56	68	62	66	64	50	37	37	55	65	67	46.4
	Minimum	38	19	13	16	6	8	32	17	16	25	30	22	12	10	13	22	21	20	24	42	33	21	37	35	36	30	27	20	17	23	41	23.4
Mannington	Maximum	59	44	25	26	25	50	48	33	34	46	42	37	28	33	34	32	40	52	69	62	55	67	61	64	63	47	41	40	54	63	60	46.3
	Minimum	34	22	15	19	9	10	33	19	18	29	30	22	14	15	19	25	22	26	30	37	34	25	40	34	41	33	30	23	23	27	42	25.8
Morgantown	Maximum	58	45	23	24	22	50	48	32	32	45	40	35	25	32	32	30	38	50	68	64	54	68	62	62	62	46	38	41	54	60	52	44.9
	Minimum	40	18	14	14	7	15	32	18	17	28	20	20	12	14	22	22	24	33	34	40	30	37	39	37	45	32	28	24	26	33	39	26.3
New Cumberland§	Maximum	52	26	25	23	25	49	46	23	37	45	39	28	27	34	35	32	40	55	70	50	57	62	45	65	54	49	34	40	52	61	50	42.9
	Minimum	21	21	15	13	6	6	14	16	16	19	26	19	10	12	18	24	18	22	27	30	29	26	28	32	38	33	29	22	24	29	33	21.8
New Martinsville	Maximum	52	44	28	27	30	52	50	35	40	50	48	42	30	35	38	42	43	50	70	60	59	65	58	68	67	50	48	42	58	66	65	48.8
	Minimum	35	20	14	14	5	20	30	22	17	24	28	18	10	13	20	23	21	28	29	38	32	25	37	34	42	30	28	22	21	27	37	24.6
Parkersburg	Maximum	58	32	27	26	29	51	48	28	40	51	44	34	26	35	36	34	41	58	70	57	55	63	55	69	63	50	37	40	56	63	65	46.5
	Minimum	32	18	18	18	12	16	28	20	21	31	33	22	17	20	26	26	24	32	39	39	36	34	42	44	37	34	29	28	30	35	33	28.2
Parsons	Maximum	47	35	20	24	39	56	40	30	33	46	46	28	26	24	28	28	42	48	68	50	62	70	50	65	62	46	35	38	56	57	50	43.5
	Minimum	30	17	12	16	10	16	30	16	15	26	28	24	13	16	20	21	21	25	30	39	25	26	31	31	35	31	26	16	16	25	38	23.4
Philippi	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Pickens	Maximum	52	35	21	22	22	47	47	23	29	44	32	32	22	32	33	29	30	47	65	47	56	67	50	62	56	43	32	37	43	53	58	40.9
	Minimum	32	10	6	10	4	1	23	12	9	15	28	19	6	9	11	16	15	24	40	37	30	27	31	34	41	23	20	12	16	29	31	20.0
Terra Alta	Maximum	50	46	13	18	17	39	42	29	24	38	37	31	19	24	24	23	31	40	57	57	48	58	53	55	55	46	30	28	45	46	45	37.7
	Minimum	35	13	7	11	1	−6	29	11	10	20	28	16	5	8	9	16	13	26	24	37	27	23	32	32	39	28	22	13	7	21	32	19.0
Wellsburg	Maximum	60	45	26	25	25	50	47	38	37	43	45	39	29	34	36	35	42	56	68	62	56	61	62	64	63	68	45	39	60	59	58	47.6
	Minimum	39	13	13	11	4	8	32	16	20	21	27	19	11	12	24	25	18	32	27	37	29	24	39	29	41	32	30	22	22	24	40	23.9
Weston	Maximum	61	52	25	28	28	40	50	31	31	50	50	49	41	32	33	34	40	60	60	65	50	75	65	69	70	65	42	42	56	59	62	48.9
	Minimum	39	24	15	19	11	16	30	20	19	29	30	28	15	16	21	23	30	32	40	45	38	29	40	38	39	32	29	29	39	40	40	28.9
Wheeling§	Maximum	59	30	28	25	31	50	47	26	41	52	31	32	32	38	38	35	74	58	71	52	60	69	49	71	53	52	57	44	58	63	....	47.4
	Minimum	20	20	15	14	5	5	11	15	15	20	26	15	10	12	18	23	19	23	29	32	29	25	29	29	38	32	29	22	24	25	33	21.4
Southern Division																																	
Bluefield	Maximum	58	51	45	42	41	58	....	40	39	56	55	49	46	....	39	49	59	54	63	61	....	69	62	68	69	65	62	....	67	61	65	55.
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Charleston	Maximum	53	60	32	32	33	38	53	54	30	41	53	41	40	28	37	36	36	48	65	73	58	60	70	70	75	64	49	38	49	62	62	49.7
	Minimum	28	26	18	18	18	17	19	27	22	23	31	33	17	15	16	27	27	27	30	36	38	34	34	38	38	34	32	24	26	26	34	26.9
Gary §	Maximum	19	32	30	30	39	53	56	29	37	52	41	37	24	37	35	39	47	69	70	62	66	69	54	71	69	43	35	50	59	60	65	48.
	Minimum	18	25	15	16	19	19	23	26	19	20	21	34	19	16	21	25	25	24	27	34	40	33	36	36	40	35	29	22	26	30	38	26.
Hinton §	Maximum	42	38	40	40	50	64	50	40	50	50	50	37	38	50	46	44	44	56	56	58	56	58	58	60	58	52	44	50	50	50	50	49.
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
Huntington §	Maximum	58	29	32	31	32	53	48	29	41	50	41	36	25	34	37	37	45	65	70	55	52	58	56	71	60	48	37	44	57	62	64	47.
	Minimum	28	24	18	18	18	18	22	25	23	25	30	31	16	15	15	25	27	27	38	39	40	32	34	40	40	35	32	28	26	30	42	27.
Lewisburg	Maximum	46	47	25	28	32	43	55	41	35	47	47	43	34	35	36	36	40	62	65	63	58	61	57	66	67	54	43	43	55	50	63	47.
	Minimum	28	18	11	16	14	13	31	21	16	24	32	30	14	11	12	21	23	17	31	40	32	26	40	35	39	32	26	18	23	27	44	24.
Marlinton	Maximum	46	34	20	22	28	26	48	32	26	42	38	34	24	30	30	24	56	56	58	54	54	56	44	58	56	44	32	36	50	50	56	39.
	Minimum	20	12	8	12	8	4	26	16	10	20	24	24	14	6	10	16	20	10	34	32	32	18	36	36	28	30	24	16	14	20	36	19.
Point Pleasant	Maximum	60	55	40	35	35	52	47	40	42	53	50	45	40	40	40	40	45	51	70	70	71	69	67	75	70	65	63	60	60	62	60	58.
	Minimum	20	20	11	19	11	15	32	20	20	29	32	26	16	20	16	21	24	21	32	42	44	29	28	35	47	30	30	29	22	30	20	25.
Ravenswood	Maximum	58	49	30	30	32	52	51	34	41	51	52	44	30	34	38	37	42	51	69	68	66	61	56	70	67	51	49	42	57	56	64	49.
	Minimum	39	21	18	20	11	15	33	20	21	32	34	25	16	17	22	24	21	29	34	42	26	19	32	31	39	22	21	21	23	20	30	25.
Robertsburg§	Maximum	58	27	31	27	37	53	50	28	42	52	40	34	25	37	37	34	47	59	72	56	58	64	56	65	58	50	35	45	60	60	66	47.
	Minimum	21	23	16	15	14	13	19	20	18	22	28	25	15	12	16	19	19	26	33	35	35	27	35	36	37	31	29	25	20	24	40	24.
Ryan	Maximum	59	42	28	25	32	50	45	32	39	50	45	40	27	33	34	30	42	55	70	55	55	68	55	70	60	50	38	42	59	63	65	47.
	Minimum	29	19	14	11	8	9	32	20	17	27	33	27	13	9	17	21	14	21	30	36	34	24	39	36	38	30	27	21	17	25	35	23.
Spencer §	Maximum	60	24	29	25	30	48	41	25	36	34	39	34	21	35	36	23	45	48	69	57	55	66	66	70	66	54	34	41	59	60	68	45.
	Minimum	46	20	15	20	11	14	30	22	19	24	30	28	14	15	21	23	17	23	34	43	35	29	39	41	40	32	30	25	21	35	40	27.
Sutton	Maximum	53	53	33	31	29	51	51	41	36	51	51	42	32	35	35	33	31	47	70	70	52	67	67	75	75	57	40	41	58	58	57	49.
	Minimum	34	19	13	14	10	10	31	19	17	27	32	24	14	17	19	21	23	20	30	30	35	26	35	36	34	28	27	23	19	25	35	24
Union	Maximum	50	45	29	31	34	45	....	55	37	50	55	40	38	....	35	35	43	65	69	65	....	64	60	70	72	66	43	....	57	59	62	50
	Minimum	14	20	9	14	13	14	....	20	15	22	30	29	13	....	10	20	21	18	30	41	....	26	41	35	42	30	27	....	19	25	41	23
White Sulphur Spgs§	Maximum	32	32	30	38	45	55	30	35	52	40	40	38	31	39	33	46	68	71	69	63	65	54	71	69	43	40	48	59	53	66	..	48
	Minimum	23	8	16	16	10	21	24	18	22	33	32	20	11	12	19	24	19	31	36	31	24	41	35	34	34	29	20	20	25	39	29	24
Williamson §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[WBO, Cleveland, 5-21-26—830]

JUN

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIV Parkersburg, W. Va., April, 1926 No. 4

GENERAL SUMMARY

The past month, with an average temperature of 47.1°, was the coldest April of State record, except in 1907, when the average temperature was 45.6°. While the month was characterized by nearly continuously cold weather, the temperature being above the average on only six or seven days, three short periods, yet exceptionally low temperature for the season, generally the lowest of record, occurred on the 20th, when the morning readings ranged generally from about 16° to 20°, with a low temperature of 8° at Pickens, Randolph County. The rainfall was much below the normal but well distributed, although the snowfall averaged somewhat above the April amount, owing to cold weather during periods of precipitation. At the close of the month farm work, meadows and pastures were from two to three weeks late, and feed was scarce for stock; but conditions were generally favorable for fruit, bloom being kept back until into May, but some damage resulted to young trees from the cold weather on the 20th.

TEMPERATURE

The monthly mean for the State, determined from 47 stations, was 47.1°. The departure from the normal for 38 stations having ten or more years of records was —4.5°. The temperature was below the normal from the 1st to the 7th, 9th to the 13th, 15th to the 20th, and the 25th to the 30th, with the lowest readings occurring generally on the 1st, 16th, 19th and 20th, mostly on the 20th. The averages were somewhat above the normal on the 7th, 22d-24th, and 31st, the highest temperatures occurring generally on the 30th.

PRECIPITATION

The average precipitation for the State, determined from 82 stations, was 2.44 inches. The departure from the normal for 49 stations having ten or more years of record was —1.07 inches. The precipitation was heaviest over the central and northern mountain counties, and lightest over the eastern counties. Nearly all the precipitation fell on the 1st, 3d, 6-9th, 11-13th, 18-19th, 23d-25th, and 28th, the greatest amounts being measured on the 6th, 7th, 8th, and 18th. Snow flurries o light snow fell on the 1st and 15th. Moderate snow, gener-lly from 1 to 7 inches, fell in most sections on the 18th. Snow lurries were also noted on the 26th.

MISCELLANEOUS PHENOMENA

Aurora: Bayard and Piedmont, 14th.

Fogs, dense: Elkins, 24th; Grafton, 21st; New Cumberland, th.

Haze, light: Bayard, 16th, 17th, and 22d; Philippi, 28th.

Sleet: Bayard, Parkersburg, and Stony River Dam, 6th; Martinsburg, 7th; Kayford, 19th; Brownsville, 25th; Stony River Dam, 26th; Marlinton, 28th.

Thunderstorms (dates and number of stations reporting): 6th, 4; 7th, 2; 8th 10; 9th, 3; 11th, 2; 16th, 1; 18th, 1; 24th, 1; 25th, 1; 30th, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.04	70	51	66	175.2	44	7,404	10.3	46	sw.	24
Columbus, Ohio	30.03	72	60	72	204.0	51	7,938	11.0	40	nw.	25
Elkins	30.04	75	55	61	158.9	40	5,336	7.4	37	w.	3
Lexington, Ky	30.04	74	62	....	171.2	43	9,699	13.5	50	sw.	27
Parkersburg	30.04	66	47	53	171.7	43	5,263	7.3	34	w.	3
Pittsburgh, Pa	30.01	69	60	57	178.8	45	10,128	14.1	52	w.	24
Wytheville, Va	30.00	70	52	57	231.0	58	6,259	8.7	32	w.	1

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	52.0	......	......	2.81	......	......	......	......	......	......
1892	50.6	87	17	4.28	......	......	......	......	......	......
1893	53.4	92	20	5.18	8.98	2.91	0.8	8	8	14
1894	50.6	90	14	3.32	5.30	1.97	1.6	12	8	10
1895	52.9	90	17	2.93	5.47	0.90	......	11	9	10
1896	57.7	95	12	2.06	4.35	0.82	......	13	12	5
1897	51.5	90	19	2.97	7.10	1.58	......	11	10	9
1898	48.0	86	2	3.14	4.86	1.40	......	10	9	11
1899	53.4	93	18	1.84	3.17	0.92	0.5	13	9	8
1900	51.8	88	16	1.35	2.08	0.43	T.	14	7	9
1901	47.5	95	18	7.05	10.70	2.50	6.0	10	4	16
1902	49.8	96	21	3.06	4.57	1.53	10.0	10	10	10
1903	51.3	91	8	4.47	7.30	2.29	0.4	11	8	11
1904	47.7	82	12	3.15	5.71	1.12	1.3	9	9	12
1905	52.2	89	14	2.78	5.57	1.10	1.5	11	9	10
1906	54.1	92	15	3.16	6.59	0.57	0.3	15	8	7
1907	45.6	92	10	3.49	6.66	1.42	6.1	8	8	14
1908	54.8	92	18	4.30	8.02	0.77	0.3	13	8	9
1909	53.0	93	10	5.04	8.57	1.70	2.4	10	11	9
1910	53.2	91	16	3.39	9.07	1.63	0.6	10	8	12
1911	49.5	88	6	4.29	7.00	0.83	1.5	9	8	13
1912	55.4	88	20	4.03	8.00	1.09	0.2	11	10	9
1913	52.4	92	12	2.99	5.48	1.61	0.1	14	8	10
1914	52.1	93	16	4.63	10.05	1.29	0.1	10	9	11
1915	55.5	101	10	1.93	5.69	0.10	T.	15	8	7
1916	50.5	90	17	3.07	5.70	1.25	4.3	9	7	14
1917	51.7	90	10	2.99	5.31	1.29	1.8	13	8	9
1918	50.3	85	18	5.11	9.14	1.88	10.4	9	7	14
1919	51.8	90	10	2.44	4.21	1.03	0.2	12	8	10
1920	49.7	91	15	4.91	7.26	1.64	1.2	8	7	15
1921	55.7	95	10	2.50	5.09	0.40	0.4	13	7	10
1922	54.4	91	15	3.15	6.76	0.50	0.1	13	7	10
1923	50.1	88	— 4	3.45	4.88	1.00	0.1	16	5	9
1924	50.5	88	12	3.24	6.37	0.72	3.6	12	6	12
1925	54.9	101	6	2.89	4.48	1.42	0.6	14	6	10
1926	47.1	87	8	2.44	5.54	0.80	2.5	10	8	12
Means and extremes	51.7	101	— 4	3.44	10.70	0.10	2.1	11	8	11

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., April, 1926

See temperature and precipitation data in Climatological Tables, Pages 14, 15, and 16

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
larksburg	Evaporation	....	.340	.150	.080	.100	.120	.010	.120	.115	.100	.123	.068	.121	.065	.068	.179	.224	.217	.130	.078	.171	.341	.158	.032	.175	.070	.095	.175	.135	.106	....	3.866
	Wind movement	270	130	59	171	38	144	48	46	93	45	29	97	102	57	95	44	133	100	140	121	88	103	73	25	176	128	62	98	113	65	....	2,893

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for April, 1926

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	25	44.4	-2.3	74	22	19	20	47	3.73	-0.12	1.14	3.5	14	12	10	8	sw.	U. G. Clark
Brandywine	Pendleton	1,586	10	44.0	-5.8	75	22	14	19	39	2.35	-0.29	0.80	11.0	9	17	1	12	sw.	Elmer Keister
Burlington	Mineral	875	32	48.1	-2.5	85	23	21	18†	44	0.80	-2.03	0.80	T.	1	10	16	4	nw.	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	37	.....	.....	.....	.....	.....	.....	.....	1.34	-1.65	0.49	T.	7	.....	.....	.....	.....	J. C. Newcomer
Inwood	Berkeley	569	4	48.4[h]	.....	83[h]	22	26[h]	12†	44[i]	.....	.....	.....	.....	.....	11[g]	3[g]	9[f]	nw.	L. E. Dills
Martinsburg	Berkeley	435	34	48.7[a]	-2.8	84	22†	25	16	52[a]	1.46	-1.58	0.45	T	8	21	4	5	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	30	52.4	-2.5	87	21	23	20	51	2.89	-0.10	0.90	T.	11	26	0	4	.....	M.S.Henkel
Piedmont	Mineral	1,053	13	48.3	-2.8	80	22†	23	20	38	1.07	-1.99	0.65	.....	8	12	8	10	nw.	C. A. Suter, Jr.
Romney ††	Hampshire	824	28	48.5[a]	-3.1	83[a]	22†	24	5†	46[a]	.....	.....	.....	.....	.....	13	5	12	.....	George E. Bergdoll
Stony River Dam	Grant	3,300	6	.....	.....	.....	.....	.....	.....	.....	2.01	.....	0.40	2.0	13	6	6	18	w.	A. C. Becker
Upper Tract	Pendleton	1,230	27	48.8[f]	-2.2	78[f]	22†	23[e]	19	39[f]	1.18	-1.29	0.50	4.0	5	16	0	14	.....	J. M. Mallow
Wardensville	Hardy	1,200	8	46.1[i]	.....	81[i]	22	19[h]	2	.....	2.37	.....	0.95	0.2	5	9[i]	8[i]	4[i]	w.	Luther F. Sutton
Averages and	extremes	.....	.....	47.9	-3.0	87	21	14	19	52	1.92	-1.13	1.14	2.3	8	14	7	9	w.	
Northern Division																				
Aberdeen	Upshur	1,060	2	.....	.....	.....	.....	.....	.....	.....	2.30	.....	0 67	0.7	11	4	17	9	nw.	L. Else Bond
Bens Run	Pleasants	652	24	48.0	-4.2	81	30	23	1	40	1.51	-2.57	0.37	2.0	7	8	17	5	.....	J. D. Riggs
Benson	Harrison	1,080	3	49.6[a]	.....	79[a]	30	15[a]	20	46[a]	2.17	.....	0.55	T.	11	5	18	7	.....	R. D Marts
Brownsville	Lewis	1,032	3	48.7	.....	81	30	17	20	45	2.21	.....	0.55	0.6	14	8	15	7	.....	George M. Myers
Bruceton Mills	Preston	1,549	6	.....	.....	.....	.....	.....	.....	.....	1.63	-2.07	0.50	2.4	11	1	14	15	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	29	47.2	-3.9	77	22	26	16†	38	4.02	-0.24	0.84	3.8	8	10	6	14	.....	H. A. Darnall
Cairo	Ritchie	680	27	47.4	-7.4	83	30	16	20	54	2.09	-1.59	0.51	T.	8	9	10	11	.....	O C. Hess
Clarksburg	Harrison	1,015	4	47.1	.....	80	30	19	20	48	2.31	.....	0.46	1.0	13	9	7	14	nw.	Clarksburg Water Board
Cortland	Tucker	3.300	15	.....	.....	.....	.....	.....	.....	.....	4.95	+1.43	2.40	.....	4	4	19	7	.....	G. W. Harmon
Crawford	Lewis	1,107	3	.....	.....	.....	.....	.....	.....	.....	3.00	.....	0.58	4.7	11	8	12	10	w.	George W. Blair
Creston	Wirt	640	24	48.4	-4.6	82	30	19	20	46	4.19	+0.18	0.82	1.2	14	6	2	22	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	5	.....	.....	.....	.....	.....	.....	.....	1.67	.....	0.38	3.5	15	.....	.....	.....	.....	Lockmaster
Dam 12 O. R.	Ohio	660	10	.....	.....	.....	.....	.....	.....	.....	1.88	.....	0.70	.....	11	.....	.....	.....	.....	Lockmaster
Dam 13 O. R.	Ohio	655	10	.....	.....	.....	.....	.....	.....	.....	2.10	.....	0.63	.....	11	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	5	.....	.....	.....	.....	.....	.....	.....	1.83	.....	0.43	1.0	14	.....	.....	.....	.....	Lockmaster
Davis	Tucker	3,093	17	.....	.....	.....	.....	.....	.....	.....	4.34	+0.37	1.55	3.9	16	7	10	13	w.	Ross C. Male
Elizabeth[Dam 3 L.K.]	Wirt	615	14	.....	.....	.....	.....	.....	.....	.....	2.78	-0.84	0.50	T.	12	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,947	25	44.6	-4.2	75	30	14	20	37	3.90	+0.61	1.17	5.3	14	4	7	19	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	1	.....	.....	.....	.....	.....	.....	.....	4.49	.....	1.35	9.0	15	4	9	17	s.	Claude A. Cunningham
Fairmont	Marion	883	20	46.4	-5.4	80	22	21	20	49	1.98	-1.50	0.43	2.5	14	15	1	14	w.	Creed E. Bolyard
Glenville	Gilmer	738	32	50.6	-3.0	85	23	19	20	45	3.05	-0.69	0.50	3.0	14	5	7	18	w.	Howard R. Brannon
Grafton (near)	Taylor	1,000	33	49.0[a]	-2.3	81[a]	5	14	19	61[a]	2.76	-1.01	0.59	T.	10	9	9	12	w.	Curtis Boice
Horner	Lewis	1,044	3	.....	.....	.....	.....	.....	.....	.....	3.03	.....	0.74	.....	14	15	7	8	.....	Thomas E. Miles
Horton	Randolph	2,840	1	.....	.....	.....	.....	.....	.....	.....	2.30	.....	0.93	0.5	6	4	3	23	sw.	J. W. White
Janelew(near)	Lewis	1,020	3	48.6	.....	82	30	15	20	45	2.74	.....	0.50	0.5	11	8	12	10	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	28	45.4	-4.8	79	30	14	20	45	2.26	-1.10	0.58	0.8	10	8	4	18	w.	Allen Smith
Mannington	Marion	985	23	46.4	-4.8	80	30	16	20	42	1.44	-2.53	0.38	1.9	13	8	10	12	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	33	47.2	-4.0	80	30	21	6†	40	1.20	-2.15	0.42	0.5	5	4	12	14	w.	Prof. E. L. Andrews
Moundsville	Marshall	689	23	48.2	-3.6	82	30	20	20	43	1.27	-1.85	0.57	T.	7	4	14	12	sw.	U. S Signal Corps
New Cumberland	Hancock	671	28	44.1	-5.2	82	30	18	20	47	2.14	-1.22	0.60	1.0	13	12	7	11	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	32	46.4	-6.6	85	22	17	20	47	1.65	-1.94	0.45	1.0	6	9	11	10	n.	Wm. Ankrom
Parkersburg	Wood	638	39	48.2	-5.2	83	30	25	20	35	1.76	-1.15	0.50	0.1	10	6	8	16	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	26	45.0	-3.7	78	30	19	19	43	3.89	+0.04	.....	5.0	.....	8	6	16	.....	J. W. Swisher
Pickens	Randolph	2,697	23	42.8	-5.5	75	30	8	20	42	5.54	+0.50	1.00	12.0	13	10	7	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	3	.....	.....	.....	.....	.....	.....	.....	1.96	.....	0.50	3.4	15	13	5	12	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	39	.....	.....	.....	.....	.....	.....	.....	3.87	-0.14	0.96	0.2	14	.....	.....	.....	.....	J. F. Pierce
Saint Marys	Pleasants	577	17	.....	.....	.....	.....	.....	.....	.....	1.95	-1.95	0.38	0.5	10	.....	.....	.....	sw.	Wm. Hughes
Smithfield	Wetzel	850	20	.....	.....	77	27	.....	.....	.....	0.86	-3.04	0.28	.....	5	14	4	12	.....	G. M. Whisler
Terra Alta	Preston	2,559	25	41.0	-5.2	70	22†	15	20	39	2.70	-1.32	0.59	3.6	15	4	5	21	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	3	49.0	.....	81	22†	22	20	45	2.16	.....	0.59	4.5	13	10	1	19	w.	J. C. Campbell
Vandalia	Lewis	1,120	3	.....	.....	.....	.....	.....	.....	.....	2.21	.....	0.65	.....	7	.....	.....	.....	.....	Miss Phyllis West
Wellsburg	Brooke	668	25	45.2	-3.8	83	30	16	20	43	1.89	-1.22	0.83	3.5	11	12	10	8	w.	George P. Pfister
West Milford	Harrison	979	1	.....	.....	.....	.....	.....	.....	.....	2.52	.....	0.60	.....	11	.....	.....	.....	.....	Miss Dicie E. Wagner
Weston	Lewis	1,026	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Weston State Hospital
Wheeling	Ohio	645	39	45.4	-6.7	84	30	18	20	56	1.77	-1.36	0.75	1.7	12	7	8	15	sw.	Miss M. B. Forsyth
Averages and	extremes	.....	.....	46.8	-4.7	85	22†	8	20	61	2.55	-1.05	2.40	2.3	11	8	9	13	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	.....	.....	.....	.....	.....	.....	.....	.....	2.48	.....	0.61	12.5	12	10	9	11	w.	H. S. Sutton
Bancroft	Putnam	574	22	45.8	-7.7	80	7	27	16	41	2.77	-1.06	0.85	2.0	10	17	0	13	ne.	R. E. Dent
Beckley	Raleigh	2,440	26	46.2	-3.5	75	30	20	19	37	0.81	-3.13	0.70	.....	3	8	11	11	w.	K. E. Williams
Bluefield ††	Mercer	2.558	31	.....	.....	76[c]	30	.....	.....	.....	2.08	-1.36	0.82	.....	8	8[c]	13[c]	6[c]	.....	Norfolk & Western Ry.
Camden-on-Gauley††	Webster	2,029	11	.....	.....	.....	.....	.....	.....	.....	0.80	.....	0.80	.....	1	0	0	30	s.	Miss Katie Jarvis
Charleston	Kanawha	600	23	48.8	-7.8	83	7†	24	20†	53	2.48	-1.21	0.46	1.0	12	10	0	20	.....	R O. Fields
Clay	Clay	706	10	.....	.....	.....	.....	.....	.....	.....	3.37	.....	1.66	.....	14	.....	.....	.....	.....	Ted Thomas
Dam 6 G. K	Kanawha	598	.....	.....	.....	.....	.....	.....	.....	.....	1.86	.....	0.34	.....	9	.....	.....	.....	.....	Lockmaster
Dam 19 O. R.	Wood	600	10	.....	.....	.....	.....	.....	.....	.....	2.48	.....	0.57	.....	12	.....	.....	.....	.....	Lockmaster
Dam 20 O. R.	Wood	600	10	.....	.....	.....	.....	.....	.....	.....	2.52	.....	0.50	.....	12	.....	.....	.....	.....	Lockmaster
Dam 26 O. R.	Mason	564	10	.....	.....	.....	.....	.....	.....	.....	3.26	.....	1.30	.....	9	.....	.....	.....	.....	U. S. Engineer Office
Gary	McDowell	1,426	10	50.1	.....	79	30	23	20	44	2.01	.....	0.43	T.	12	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	29	.....	.....	76	30	.....	.....	.....	2.07	-1.21	0.60	.....	11	12	3	15	.....	Mrs J. R. Baber
Huntington	Cabell	538	32	48.6	-5.4	80	30	25	20	44	2.34	-1.27	0.54	0.7	13	11	2	17	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	7	.....	.....	.....	.....	.....	.....	.....	1.47	.....	0.50	.....	6	.....	.....	.....	.....	J. O. Brown
Kayford	Kanawha	1,335	10	.....	.....	.....	.....	.....	.....	.....	2.14	.....	0.56	0.5	14	.....	.....	.....	.....	Cabin Creek Con. Coal Co
Kermit	Mingo	579	0	.....	.....	.....	.....	.....	.....	.....	2.21	.....	0.58	.....	6	.....	.....	.....	.....	E. B. Kirk
Lewisburg	Greenbrier	2,250	26	47.8	-2.3	76	30	17	19	43	2.18	-1.26	0.54	4.5	9	11	8	11	nw.	Geo. T. Argabrite
Logan	Logan	700	23	.....	.....	.....	.....	.....	.....	.....	2.13	-2.67	0.63	.....	9	.....	.....	.....	.....	J. R. Wampler
Marlinton	Pocahontas	2,131	27	41.6	-5.5	72	22†	16	16†	42	3.08	-0.26	0.94	6.0	10	5	20	5	sw.	S. L. Brown
Organ Cave	Greenbrier	.....	0	.....	.....	.....	.....	.....	.....	.....	1.83	.....	0.68	7.0	6	12	3	15	w.	J. J. Hedrick
Point Pleasant	Mason	595	33	49.8	-5.1	80	30	22	21	56	3.93	+0.65	1 20	2.0	12	16	0	14	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	11	47.4	.....	81	30	16	19	50	2.92	.....	0.52	.....	11	12	0	18	nw.	Lockmaster
Robertsburg	Putnam	570	26	46.6	-6.3	80	30	21	20	47	3.39	-0.35	1.10	.....	14	12	0	18	.....	M. Frazier
Ryan	Roane	700	23	46.4	-6.0	81	30	17	20	48	3.13	-0.72	1.69	3.1	14	8	9	13	.....	Wm. E. Ryan
Sharples	Logan	.....	6	.....	.....	.....	.....	.....	.....	.....	2.33	.....	0.62	T.	7	.....	.....	.....	.....	R. W. Howard
Sutton	Braxton	850	20	46.5	-6.6	80	30	18	20	51	4.03	-0.16	1.26	8 0	11	18	0	12	.....	C. B. Eakle
Union [d]	Monroe	2,250	22	49.8	-0.8	80	30	20	20	53	1.86	-1.03	0.95	2.0	6	7	13	6	.....	W. M. H. Young
Wayne	Wayne	598	.....	.....	.....	.....	.....	.....	.....	.....	1.60	.....	0.40	.....	10	.....	.....	.....	.....	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	16	48.6[a]	-2.6	82[a]	29	20	19	51[a]	1.67	-1.41	0.32	2.0	12	14	5	11	.....	H. E. Green
Williamson	Mingo	673	26	.....	.....	.....	.....	.....	.....	.....	2.31	-1.58	0.60	T.	11	17	0	13	.....	H. C. Mohler
Averages and	extremes	.....	.....	47.3	-5.2	83	7†	16	16†	56	2.46	-1.09	1.69	3.3	10	12	5	13	w.	
State averages and	extremes	.....	.....	47.1	-4.5	87	21	8	20	61	2.44	-1.07	2.40	2.5	10	10	8	12	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days: for example, [b] represents two days, etc.

Daily Precipitation for April, 1926

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac	.10	T.		.57		T.	1.14	.63	.11		.03	.27	T.		.08		T.	.11	T.				T.	.22	.17		.04	.02	.24			3.73
Brandywine	do	T.		.10			*	.35	.10			*	.50	.40					.80					T.	T.	T.			.10				2.35
Burlington	do	T.					.80	T.					T.	T.				T.	T.	T.	T.	T.			T.							0.80
Harpers Ferry ‖	do				.18		T.	.32	.23	.49			.05											T.	.02					.05			1.34
Martinsburg‖	do	.10			.18			.45	.21	.30		.02	.02		T.									T.		.18				T.			1.46
Moorefield	do	.05		.15			.70	.42	.05	.90		.11		.08					.18					.19					.03				2.89
Piedmont	do			.17			.65	.01	.19			.02												.01	.01				.01				1.07
Stony River Dam‖	do	.10			.16				.05	.40		.09	.25		.18				.08						.26	.12	.04	.08	.20				2.01
Upper Tract	do						.50		.20			.10			T.				.32	.06					T.								1.18
Wardensville‖	do	.45					T.	.95	T.	.70			.25						.02										T.				2.37
Northern Division																																	
Aberdeen	Monongahela	.02		.04			.47	.20	.14	.15		.25				T.		T.	.07					.46	T.	.07			.43				2.30
Bens Run	Ohio	.08		.08			.26		.37			.28												.12					.32				1.51
Benson	Monongahela	.02		.11			.43		.22	.13		.27			.02									.55	.03	.01			.35				2.17
Brownsville	do	.07		.05			.36	.26	.08	.10		.20		T.	.02	T.			.05					.55	.02	.03	T.		.41	.01			2.21
Bruceton Mills	do	.16		.31			.50	.01	.20			.07				.04	T.	T.		T.				.08	.04	.10	T.	T.	.12				1.63
Buckhannon	do	.65					.54		.62			.48				T.		T.	.31					.47	T.	.15	T.		.50				4.02
airo	Little Kanawha	.02		.08			.36	T.	.34	.02		.28				T.			T.					.51	T.	T.			.48				2.09
larksburg ‖	Monongahela	.34		.04	.04			.46	.04	.35		.08	.22			.02								.40	.04	.08			.20				2.31
ortland ‖	do						2.40		1.10			.70												.75									4.95
rawford	Little Kanawha	.01		.10			.58		.35			.31		.02	.09	T.			.53					.41			T.	.09	.51				3.00
reston ‖	Monongahela	.61	T.	.12			.04	.53	.21	.61		.05	.18			T.		T.	.62	.20				.52		.08	.03		.39				4.19
am 10, Mon. R.‖	Ohio	.38	.03	.05	.04			.29	.04	.27		.02	.04			.07		.03						.09	.11	.04			.17				1.67
am 12, O. R.‖	do	.25		.09	.05		.02	.25		.70						.02								.05		.08			.22	T.	.15		1.88
am 13, O. R.‖	Monongahela	.36	.03	.08	.10		.04	.19	.05	.63						.02										.30			.30				2.10
am 15, Mon. R.‖	do	.32		.06	.04		.03	.42	.05	.22		.02	.11			.03								.20	.12	.05			.16				1.83
avis	do	.46	.10	.01	.14			1.55	.03	.50			.27		.03			T.	.16	.08	T.				.23	.26	.03	.02	.47	T.			4.34
lizabeth (D'm 3 L K)	Little Kanawha	.17		.23			.29	.32	.16	.50		.05	.20						.05					.30		.05			.46				2.78
lkins***	Monongahela	.09	T.	.15			1.17	T.	.70	.02		.30		T.	.02	.01	T.		.52	T.				.35	.01	.14	.05	T.	.37				3.90
venwood	do	.32		.25			1.35		.65	.15		.35	T.	T.	.09	.04			.40	.01	T.			.31	.05	.14	.03		.35				4.49
airmont ‖	do	.43	.02	.07	T.		.02	.40	.05	.25		.03	.05		T.	.03					T.			.30	T.	.05	T.	T.	.25	.03			1.98
lenville ‖	Little Kanawha	.42		.14			.04	.46	.11	.26		.07	.26		.06	T.		T.	.31	.06				.35		.16			.35				3.05
rafton (near) ‖	Monongahela	.59	.16				.57	.10	.25	.02		.26			.06				.17					.56	.02	.06							2.76
orner	do	.22	.08	.12			.52	.22	.07	.21		.31			.02								.44					.37	.45				3.03
orton	do	T.		.11			.93		T.			.31		T.					.68	T.				.11	T.	.16	T.	T.					2.30
nelew (near)	do	.08		.10			.50	.20	.20			.42		T.	T.	T.			.10					.50	.09	.10			.45				2.74
st Creek	do	.04		.08			.57		.24	.09		.26				T.			T.					.58	.02	.03	T.		.35				2.26
nnington	do	.05		.13		.01	.25	.02	.38	.01		.06				.01		T.						.25	.01	.01			.25				1.44
organtown	do	T.		.10			.33		.42			T.				T.				T.				.20	T.	T.			.15				1.20
oundsville ‖	Ohio	T.		.14		T.	.06		.57	T.		T.												.11	.05	.03	T.		.31	T.			1.27
w Cumberland‖	do	.32	.02	.15	.09			.34	.05	.60						.03			T.					.06		.13	.02		.32	.01			2.14
w Martinsville	do	T.		.15			.25		.45			.10				T.								.30			T.			.40			1.65
rkersburg ***	do	.01		.09			.24	.03	.38			.17				T.	T.		T.	T.			.05	.45	T.	T.	T.	.27	.07				1.76
rsons	Monongahela	.16		*				*	*			*	*	1.75				.16						*	*	1.74			.08				3.89
kens	do	.24		.43			.87		.62	.10		.43		.25		T.			1.00					.43	.32		.08	.05	.72				5.54
anoke	do	.04		.06			.46	.04	.07	.16	.28	.01		.01	.01				.29						.03	.06			.42	.02			1.96
lesburg ‖	do	.46			.20		.04	.96		.70		.05	.25			.04		.03							.32	.15	.06		.51	.10			3.87
nt Marys ‖	Ohio	.22	T.	.05			.14	.22	.20	.22		.08	.16			T.		T.						.28		T.			.38				1.95
thfield ‖	Fishing Creek	T.			.04				.28	.14					.16											.24							0.86
ra Alta	Monongahela	.05		.24	T.		.59	.33	.53	.02		.18			.01	.01		T.		T.				.29	.05	.03	.01	.01	.35	T.			2.70
ley Chapel	do	.02		.05			.30	.15	.30	.10		.25				.02								.59	.04	.02			.31	.01			2.16
dalia	do	.02	.13				.59		.65			.27							T.					.10					.45				2.21
lsburg	Ohio	.08	.06	.21		.05	.16	.06	.72	.11						.03									.10	T.	T.	T.	.31				1.89
t Milford	Monongahela		.03	.10			.40		.42	.20		.28						T.						.60	.05	.07			.35	.02			2.52
eling ‖	Ohio	.23	T.	.08	.08		.02	.15	.05	.70		T.				.02	T.			T.				.07		.08	.02		.27	T.	T.		1.77
uthern Division																																	
ovale	Great Kanawha	.08		.10	T.		.12		.32			.61	T.	.24				.40	.16					.02		.08	.12		.23				2.48
roft ‖	do			.10				.13	.09	.45			.40					.85	.34					.10		.05			.26				2.77
ley	do								.06				.70		.05			T.															0.81
field	do			.02					.18	.03			.82	.04					.49					.32					.18				2.08
den-on-Gauley ‖	do																			.80												0.80
leston ‖	do	T.	.20	.04	.04			.04	.04	.42			.46	.16				.36	.32						.12				.28				2.48
‖	do	.33		.07				.24				.09	.30		.03			.55	1.11			.03	.06	.08	.05	.06	.37						3.37
6 G. K. ‖	do				.10				.08		.33		.34	.06					.34	.23					.08				.30				1.86
19 O. R. ‖	Ohio	.25	T.	.09	.01		.05	.33	.26	.34		.07	.09			T		T.	T.					.57	.02	T.			.40				2.48
20 O. R. ‖	do	.18	T.	.02	.08		.04	.38	.31	.30		.04	.17											.50	.03				.44				2.52
26 O. R. ‖	do	.15						.33	.20	.13			.30	.20				1.30						.15					.50				3.26
‖.	Big Sandy	T.	T.	.09	.02				.05	.08		.43	.20	.16					.27	T.				.30		.12			.26	.03			2.01
n ‖	do			T.	.10					.12		.45	.27	.28	.03				.60					.08	.03	.03			.08				2.07
ngton ‖	Ohio	.24		.04				.10	.28		.04	.50	.04					.18	.32					.18	.02	.02			.38				2.34
wha Falls‖	Great Kanawha								.30			.50	.25					.10	.22										.10				1.47
rd ‖	do	.21		.01	.05		T.	.06	.38	.03	.05	.56	.05		T.			.05	.20	T.				.02	T.		.08	T.	.39				2.14
t	Big Sandy							.40			.58	.13	.33					.35						.42									2.21
burg	Great Kanawha	T.		.22				.28			.53	.09	.29	.02				T.	.54					.06		T.	T.		.15				2.18
	Guyandotte							.32	.28		.11	.52	.02						.25					.03	.27				.33				2.13
ton	Great Kanawha	.50		.08			.06		.25			.62	.04	.20				.94	T.					T.	T.	.22	T.		.14				3.08
ave	do	.10							.15			.68		.25	.33				.32														1.83
Pleasant ‖	Ohio	.19		.60			.05	.42	.33	.23		.05	.05					1.20	T.					.38		T.			.42				3.93
swood (Dam 22	do	.26		.05			.10	.35	.28	.23		T	.18					.48	T.					.52		.03	.10	T.	.14				2.92
sburg ‖	Great Kanawha	.10		.12			.01	.32	.24	.29	.03	.33	.01					1.10	.16					.25		.07			.36				3.39
	do	.05		.12			.22		.29	.02		.46	.03	.01		T.	T.	1.69						.15		.05	.02	.01	.01				3.13
s‖	Coal River			.35								.45	.62	.04					.30					.12			T.	T.	.45				2.33
ille ‖	Great Kanawha									.68								*	1.35														†††
	do	.08		.15				.22	.63			.40		.23				1.26	.08					.38		.15	T.		.45				4.03
	do	T.							.11				.95	.25					.40					.10					.05				1.86
	Big Sandy			.19						.26		.01	.31	.04				.03	.15					.16		.05			.40				1.60
ulpr. Spgs.‖	Great Kanawha		.03					.06	.20		.32	.25	.10	.09				.20					.20			.06	.02	.14					1.67
son ‖	Big Sandy	.15		.08					.11	.21		.17	.60	.05					.13					.27	.18				.36				2.31

xcept as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.
* Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.
Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.
Trace, or less than 0.01 inch. ††† Probably incomplete.

Daily Temperatures for April, 1926

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	39	52	55	48	55	51	73	71	69	70	68	45	48	54	57	60	57	50	45	48	69	74	71	70	62	43	58	58	53	72	....	58.2
	Minimum	23	24	33	22	21	30	31	52	32	23	37	25	30	35	23	25	34	26	22	19	36	45	34	35	36	30	23	39	35	39	....	30.6
Brandywine	Maximum	40	55	55	44	40	38	55	65	62	55	45	45	40	60	60	60	61	51	45	47	65	75	74	62	62	50	60	60	59	74	....	55 5
	Minimum	30	29	32	25	21	32	30	40	40	27	37	35	28	36	37	22	38	30	14	15	31	40	45	50	44	33	22	45	35	35	....	32.6
Burlington	Maximum	59	60	58	62	66	58	68	71	75	76	72	68	59	65	61	55	51	49	55	54	51	63	85	71	68	60	60	61	70	75	....	63.5
	Minimum	22	23	27	30	23	27	28	28	31	32	31	35	39	32	41	35	31	21	21	22	21	33	61	64	33	22	28	32	48	60	....	32.7
Martinsburg§	Maximum	58	63	58	56	68	39	68	71	65	70	56	52	52	61	51	72	52	50	44	56	78	84	80	76	60	57	65	64	84	....	....	62.4
	Minimum	34	33	35	31	28	34	30	37	42	33	48	27	29	35	35	25	30	33	27	26	29	48	57	45	50	39	27	31	32	41	....	35.0
Moorfield	Maximum	45	63	58	66	67	68	76	78	67	71	68	61	51	66	65	72	66	59	44	57	87	86	81	82	71	56	67	74	64	86	....	67.5
	Minimum	32	34	40	31	24	32	33	53	41	31	48	33	34	40	36	24	44	30	27	23	36	55	51	50	49	38	25	47	32	44	....	37.2
Piedmont	Maximum	42	55	54	54	59	45	67	70	57	66	62	50	46	62	56	63	55	51	44	54	73	80	70	75	60	49	64	60	57	80	....	59.3
	Minimum	30	30	38	30	38	29	31	52	38	32	41	30	34	39	39	27	39	31	28	23	40	57	53	46	42	36	26	45	38	57	....	37.3
Romney	Maximum	59	49	56	50	63	69	75	61	69	65	50	47	65	61	53	68	47	52	39	71	76	83	69	80	48	52	66	68	83	....	....	61.9
	Minimum	31	30	38	30	24	28	31	43	39	30	46	29	31	38	32	24	25	32	27	26	35	59	53	48	45	37	24	38	37	42	....	35.1
Upper Tract	Maximum	45	58	....	51	....	56	....	66	65	64	63	63	62	62	61	60	55	53	48	....	70	78	78	75	58	....	63	61	....	77	....	62.2
	Minimum	32	30	....	28	....	27	30	32	39	29	44	42	32	33	36	33	34	32	23	....	40	45	45	45	45	....	24	48	....	39	....	35.5
Wardensville§	Maximum	55	....	....	58	65	59	75	74	70	....	65	59	54	64	51	66	42	44	70	69	....	81	....	....	....	....	70	61	69	....	....	62.9
	Minimum	20	19	....	....	20	31	29	42	39	27	....	28	31	35	30	20	25	24	25	38	33	....	....	....	....	....	21	45	30	33	....	29.3
Northern Division																																	
Bens Run	Maximum	44	54	55	55	59	51	77	68	56	68	55	54	57	67	62	62	60	55	50	58	73	78	74	70	64	49	65	62	58	81	....	61.0
	Minimum	23	29	37	29	31	32	37	42	34	30	45	31	32	45	27	28	37	29	27	24	33	48	53	46	41	32	28	40	37	42	....	35.0
Buckhannon	Maximum	43	55	56	42	59	52	75	72	60	63	54	53	54	60	45	61	55	47	41	51	69	77	66	72	59	48	63	61	55	76	....	58.1
	Minimum	27	40	37	29	27	33	41	52	42	30	42	32	40	45	30	26	40	30	27	26	32	39	47	49	42	33	27	43	40	42	....	36.3
Cairo	Maximum	41	57	55	51	60	49	77	67	57	68	63	53	56	67	61	62	59	52	38	59	75	79	69	67	65	51	67	64	58	83	....	61.0
	Minimum	30	23	36	30	26	34	36	43	37	26	45	32	38	45	29	22	32	35	27	16	29	36	53	45	42	31	23	44	32	36	....	33.8
Clarksburg	Maximum	42	58	56	53	60	63	78	70	56	69	49	51	57	64	51	62	52	52	38	55	72	78	71	70	45	49	65	52	66	80	....	59.5
	Minimum	29	26	35	30	28	30	30	53	37	30	39	32	34	44	28	26	34	34	28	19	34	40	53	48	45	34	27	40	33	41	....	34.7
Creston	Maximum	40	56	56	55	61	54	72	70	55	68	62	55	51	65	65	66	64	51	49	58	75	77	70	69	66	47	67	66	60	82	....	61.7
	Minimum	30	24	39	30	27	35	36	45	37	28	46	33	41	45	35	22	34	38	29	19	30	36	52	45	42	32	25	45	35	36	....	35.0
Elkins	Maximum	39	53	57	47	57	49	73	68	47	65	53	49	48	58	54	60	49	38	30	48	67	74	64	69	52	43	61	58	53	75	....	55.3
	Minimum	26	28	29	26	25	34	47	37	34	28	39	34	37	40	26	23	38	29	24	14	34	54	52	47	35	30	25	41	37	42	....	33.8
Fairmont§	Maximum	41	57	48	55	58	59	77	69	58	67	50	51	59	62	51	61	56	57	39	57	73	80	66	69	44	52	63	52	56	79	....	58.9
	Minimum	27	28	32	28	29	28	28	56	31	30	32	29	34	42	27	27	37	32	26	21	32	46	52	50	39	33	28	39	34	41	....	33.9
Glenville	Maximum	51	61	60	58	72	60	81	78	66	70	68	62	54	70	64	62	61	53	43	59	72	81	85	75	70	47	67	66	70	82	....	65.6
	Minimum	31	25	39	32	28	36	38	53	38	29	43	34	41	46	30	24	37	32	27	19	30	36	52	47	43	34	27	45	35	37	....	35 6
Grafton(near)	Maximum	61	61	77	72	81	71	61	70	54	79	58	64	55	64	56	45	49	60	75	79	71	70	70	53	64	51	70	79	80	....	....	65.5
	Minimum	24	33	28	23	29	31	53	35	24	41	27	32	42	26	20	29	30	25	14	27	34	50	45	37	29	20	43	32	38	51	....	32.4
Lost Creek	Maximum	43	54	53	51	60	52	76	70	53	66	64	49	53	62	59	60	56	51	44	54	70	77	68	70	60	47	63	59	54	79	....	59.
	Minimum	25	21	35	27	20	29	31	50	34	23	42	29	35	42	20	22	29	31	25	14	34	42	50	42	37	29	21	41	31	38	....	31.6
Mannington	Maximum	42	53	55	49	58	47	77	70	55	64	61	52	58	63	61	62	57	51	47	55	72	78	67	69	63	50	62	61	56	80	....	59.
	Minimum	29	26	37	29	26	28	35	43	36	26	39	29	33	45	26	23	33	32	24	16	30	39	52	45	40	32	22	45	32	39	....	33.
Morgantown	Maximum	40	52	56	49	56	43	76	72	54	64	62	48	57	61	60	59	58	49	46	55	73	78	66	72	63	50	61	61	56	80	....	59.
	Minimum	26	31	36	27	31	21	36	43	33	30	42	27	35	43	24	33	35	30	24	21	41	56	52	53	38	33	27	43	37	47	....	35.
New Cumberland§	Maximum	36	50	51	51	54	51	76	54	49	65	53	53	61	68	47	57	44	48	37	57	77	71	74	67	41	48	61	49	58	82	....	56.
	Minimum	28	28	30	28	29	29	29	45	30	27	34	25	28	36	23	25	33	23	23	18	32	51	50	43	39	33	26	30	37	42	....	31.
New Martinsville	Maximum	43	55	52	52	58	48	78	72	55	68	60	57	62	66	62	60	60	55	44	62	77	85	70	68	65	48	60	60	57	82	....	61.
	Minimum	27	25	32	27	27	28	34	38	30	25	40	25	30	43	24	23	34	32	23	17	33	38	50	35	37	30	22	42	31	39	....	31.
Parkersburg	Maximum	44	55	55	51	60	43	77	68	54	65	54	51	55	67	50	62	52	52	38	58	75	78	70	69	57	47	65	54	59	83	....	58.
	Minimum	31	32	34	30	35	34	42	40	35	33	36	32	39	41	29	32	38	35	29	25	40	56	55	54	40	35	32	44	40	48	....	37.
Parsons	Maximum	41	55	51	56	51	50	76	68	60	70	50	48	48	48	56	62	53	32	52	69	72	73	70	55	54	50	64	60	62	78	....	57.
	Minimum	26	28	38	27	26	34	40	40	30	27	43	30	35	35	27	22	26	30	19	29	38	40	40	37	33	31	24	33	34	40	....	32.
Philippi	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Pickens	Maximum	39	56	54	49	51	52	72	68	51	67	55	52	45	47	49	62	54	40	31	44	64	73	64	67	54	56	60	58	56	75	....	55.
	Minimum	20	21	27	20	25	31	42	41	30	25	39	30	29	29	23	22	34	27	18	8	28	40	46	46	43	25	19	38	32	43	....	30.
Terra Alta	Maximum	34	44	46	42	47	47	67	66	53	61	60	44	39	53	52	52	49	44	44	46	62	70	66	60	55	39	53	53	45	70	....	52
	Minimum	20	22	31	21	22	25	31	51	29	22	37	23	29	34	19	25	31	24	18	15	36	54	47	39	33	27	24	37	32	39	....	29
Wellsburg	Maximum	43	40	51	50	55	43	77	69	52	64	63	52	63	69	64	58	57	50	41	57	75	73	73	68	62	48	63	59	58	83	....	39.
	Minimum	22	27	30	28	30	28	34	37	28	24	36	25	24	36	25	25	32	21	22	16	32	43	50	43	37	34	20	42	35	46	....	31
Weston	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Wheeling§	Maximum	40	48	52	55	57	44	80	58	58	70	60	54	68	71	54	59	53	56	41	62	78	79	71	69	42	52	65	52	62	84	....	59
	Minimum	26	24	31	25	29	27	24	41	29	26	28	25	28	38	23	23	30	28	23	18	29	40	50	47	39	40	25	34	34	45	....	31
Southern Division																																	
Bluefield	Maximum	65	66	62	....	64	71	73	72	71	72	....	70	72	67	69	67	65	....	66	65	73	72	71	73	72	71	62	62	63	76	....	68
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Charleston	Maximum	50	64	60	56	66	64	83	74	56	74	51	48	51	66	51	66	67	40	42	53	77	80	70	72	50	53	70	56	64	83	....	61
	Minimum	31	29	29	32	31	34	41	56	38	32	34	40	38	40	36	29	29	38	31	24	24	34	45	50	46	31	30	31	44	42	....	3
Gary §	Maximum	50	64	64	59	67	77	76	72	52	70	70	51	51	68	50	68	65	66	41	55	70	78	69	75	55	56	68	55	64	79	....	6
	Minimum	31	27	33	30	28	33	45	52	39	32	33	49	37	39	44	31	33	42	32	23	30	37	46	47	47	34	29	37	46	36	....	3
Hinton §	Maximum	52	50	50	56	62	66	70	53	58	58	58	54	60	62	56	57	63	56	48	54	68	65	70	62	52	60	60	60	68	76	....	5
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Huntington §	Maximum	49	62	55	50	65	53	77	70	55	65	51	46	50	66	49	65	58	37	43	57	76	77	70	70	50	52	70	55	62	80	....	5
	Minimum	32	30	34	31	33	40	40	48	40	34	37	36	36	42	33	30	37	37	30	25	32	47	56	53	47	38	31	31	45	45	....	3
Lewisburg	Maximum	53	59	61	54	64	68	71	73	59	61	59	52	41	59	58	64	62	54	54	49	71	75	72	73	66	50	64	62	60	76	....	6
	Minimum	27	30	37	25	23	34	37	52	36	28	46	34	30	37	39	23	41	38	17	23	28	37	50	43	41	30	23	40	38	37	....	3
Marlinton	Maximum	32	56	50	48	56	50	66	52	56	54	50	44	38	52	44	58	54	42	32	44	64	72	68	66	52	42	60	54	56	72	....	5
	Minimum	22	24	32	22	20	34	32	40	34	24	42	30	30	34	32	16	34	32	22	16	22	38	48	41	36	26	18	36	36	32	....	3
Point Pleasant	Maximum	60	60	58	55	65	65	71	68	65	70	70	63	60	68	65	64	60	55	53	48	78	78	72	70	65	60	70	62	60	80	....	6
	Minimum	30	30	36	30	32	35	39	42	35	30	32	32	39	45	30	28	39	31	28	26	22	40	50	50	40	30	35	42	35	37	....	3
Ravenswood	Maximum	44	58	57	52	62	64	77	74	56	68	71	55	52	65	64	62	63	54	41	58	74	76	72	70	68	58	67	67	59	81	....	6
	Minimum	31	26	38	30	23	35	38	44	36	29	46	33	39	46	29	27	34	22	16	22	24	40	43	44	33	20	19	30	23	33	....	3
Robertsburg§	Maximum	47	63	55	58	63	50	77	70	70	52	51	50	50	66	50	63	58	38	41	58	72	77	70	69	47	49	68	54	61	80	....	5
	Minimum	31	25	31	29	28	37	37	48	36	34	33	35	35	39	29	25	36	32	28	21	25	39	53	46	41	31	26	31	37	41	....	3
Ryan	Maximum	45	60	50	53	65	53	78	72	55	70	59	50	50	64	53	63	60	45	40	60	74	78	70	70	60	50	67	56	60	81	....	6
	Minimum	29	21	37	28	23	35	36	45	35	25	44	33	36	44	28	20	29	29	27	17	27	33	50	42	42	27	21	44	35	33	....	3
Spencer §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sutton	Maximum	48	59	59	54	75	75	61	57	57	72	72	52	52	64	64	62	62	55	41	54	73	74	74	70	65	50	67	67	60	80	....	
	Minimum	26	33	33	29	38	24	35	33	35	27	32	32	36	41	28	21	34	28	27	18	27	34	35	36	30	28	24	33	35	33	....	
Union	Maximum	60	61	59	....	68	72	72	73	65	61	....	64	42	61	62	62	68	....	66	54	74	78	75	75	....	76	68	66	66	80	....	
	Minimum	26	29	38	....	23	31	39	55	35	27	....	33	28	35	46	23	42	....	22	20	21	36	50	39	....	28	21	41	36	35	....	
White Sulphur Spgs§	Maximum	63	65	59	52	69	76	77	63	63	60	42	43	64	56	70	63	48	39	56	76	81	77	78	55	53	70	60	67	82	....	....	
	Minimum	32	38	26	21	28	35	50	38	27	46	37	32	33	37	22	40	39	26	20	26	33	50	45	46	28	21	46	38	31	39	....	
Williamson §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[WBO, Cleveland, 6-9-26—830]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIV PARKERSBURG, W. VA., MAY, 1926 No. 5

GENERAL SUMMARY

May was exceptionally dry and somewhat cool. Unusually low temperatures were not recorded, but the temperature was below the normal for the greater part of the month, with the lowest readings on the 4th, 5th, 11th, 24th, and 28th, when light to heavy frosts occurred in many sections. On the morning of the 24th the temperature ranged generally from 35° to 42° with a low reading of 30° at Marlinton, and there was some frost damage. The State average rainfall was 2.50 inches, the least of May record, except in 1911 and 1914, when the averages were 1.46 and 1.96 inches, respectively. In sections of the extreme western counties and Mineral County the rainfall was the lightest of May record. The rainfall at Piedmont was .07 inch. Dry and cool weather retarded growth and farm work. Fruit condition was excellent at the close of the month. Hail, however, caused considerable local damage in Cabell County.

TEMPERATURE

The monthly mean for the State, determined from 48 stations, was 61.2°. The departure from the normal for 39 stations having ten or more years of record was —0.7°. The month opened somewhat warm and the temperature was also above the normal from the 6th to the 10th, 17th to the 20th, and on the 30th-31st, with the highest readings occurring generally on the 2d and 8th. The lowest temperatures were on the 4th, 5th, and 11th.

PRECIPITATION

The average rainfall, determined from 86 stations, was 2.50 inches. The departure from the normal for 51 stations having ten or more years of record was —1.51 inches. The rainfall was generally heaviest over the central and southern counties and lightest over the eastern panhandle. Most of the rainfall was received on the 3d, 10th, 14-16th, 18-19th, 22d, 24-27th, and 30th-31st, the greatest amounts being measured on the 14-15th and 30th. A trace of snow was noted on the 4th at Evenwood, Randolph County, and on the 24th at Stony River Dam, Grant County.

LIGHT HAIL

Light hail was observed in portions of the following counties: Fayette and Kanawha, 10th; Marion and Taylor, 18th; Barbour, 19th; Berkeley, 20th; Grant, Harrison, Lewis, Marion, Preston, and Upshur, 24th; Upshur, 27th.

HEAVY HAIL

From 5 to 6 p. m., May 24, moderately heavy hail fell from Ora to Milton, Cabell County. The storm moved from the west-northwest, about four miles, with width of path from one to two miles. The largest stones were about one-third of an inch in diameter. Fruit was destroyed in most sections of the storm's path, the greatest damage apparently being near Milton.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bancroft, 13th and 20th; Grafton, 24th; Hinton, 26th; Mannington, 20th and 25th; Marlinton, 13th, 19th, 20th, 21st, 28th, and 30th; Pickens, 25th.

Halos, lunar: Moundsville, 19th; Parkersburg, 21st.

Halos, solar: Moundsville and Philippi, 28th.

Thunderstorms (dates and number of stations reporting): 1st, 3; 2d, 1; 4th, 1; 9th, 1; 10th, [illegible] 15th, 8; 16th, 1; 17th, 6; 18th, 15; 19th, 11; 20th, 5; 22d, 2; 24th, 11; 25th, 2; 26th, 3; 27th, 2; 30th, 5; 31st, 10.

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PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity: 8 a.m.	Mean relative humidity: local noon	Mean relative humidity: 8 p.m.	Sunshine: Total hours	Sunshine: Percentage of possible	Wind: Total movement miles	Wind: Average hourly velocity	Max. velocity: Miles per hour	Max. velocity: Direction	Max. velocity: Date
Cincinnati, Ohio	29.94	68	46	66	322.2	75	5,204	7.0	32	ne.	24
Columbus, Ohio	29.95	68	50	61	337.9	76	6,830	9.2	34	nw.	18
Elkins	29.94	73	45	57	286.4	65	3,844	5.2	24	sw.	18
Lexington, Ky	29.95	69	52	....	275.6	62	8,979	12.1	40	w.	19
Parkersburg	29.93	65	42	50	271.3	61	4,048	5.4	36	nw.	19
Pittsburgh, Pa	29.94	70	52	54	281.5	63	7,290	9.8	46	w.	19
Wytheville, Va	29.92	69	46	55	287.0	65	4,811	6.5	28	nw.	10

COMPARATIVE DATA FOR MAY

Year	Temperature: Mean	Temperature: Highest	Temperature: Lowest	Precipitation: Average	Precipitation: Greatest	Precipitation: Least	Precipitation: Snowfall (inches)	Number of days: Clear	Number of days: Partly Cloudy	Number of days: Cloudy
1891	57.2	......	......	3.18						
1892	62.2	96	32	5.04	......	......	......	......	......	......
1893	59.5	92	30	4.51	6.41	1.83	......	12	9	10
1894	62.1	100	28	4.44	9.40	2.17	......	16	9	6
1895	61.6	105	20	2.60	6.31	0.79	......	12	11	8
1896	68.3	95	33	3.01	5.92	0.65	......	11	13	7
1897	57.6	90	23	4.60	7.06	2.17	......	13	10	8
1898	63.0	94	28	4.51	6.15	2.76	......	13	10	8
1899	64.1	96	35	5.17	7.68	3.17	......	11	11	9
1900	62.5	98	21	2.90	6.75	0.35	......	14	9	8
1901	61.8	96	21	6.15	8.88	2.50	......	11	10	10
1902	65.2	98	25	3.17	6.09	1.30	......	14	11	6
1903	64.3	95	20	3.03	6.24	0.80	T.	18	9	4
1904	61.8	98	25	3.55	5.80	1.54	T.	12	11	8
1905	64.2	96	26	4.95	7.96	1.90	0	12	10	9
1906	62.7	98	22	2.59	6.89	0.39	T.	15	9	7
1907	59.0	93	24	3.88	6.37	1.38	T.	12	10	9
1908	63.4	96	28	6.19	11.45	2.73	0.1	9	12	10
1909	60.8	93	21	3.82	6.05	1.80	0.1	14	9	8
1910	57.9	96	19	3.92	5.87	1.55	0	11	10	10
1911	66.0	100	22	1.46	6.35	0.03	0	20	8	3
1912	63.3	91	31	3.93	7.50	1.16	0	15	8	8
1913	61.6	95	19	5.16	8.86	1.89	0	14	8	9
1914	62.4	100	24	1.96	3.75	0.55	0	18	8	5
1915	61.1	92	29	4.22	6.85	2.56	0	10	9	12
1916	64.0	97	28	3.58	6.00	0.90	T.	14	9	8
1917	55.5	95	25	4.58	5.45	2.45	T.	11	8	12
1918	65.7	97	25	4.34	10.28	1.85	T.	15	9	7
1919	61.5	100	30	5.25	10.71	2.75	0	12	7	12
1920	58.9	95	24	2.76	6.97	1.08	T.	16	6	9
1921	61.4	96	24	4.45	10.67	2.12	T.	12	7	12
1922	63.7	94	26	3.67	5.83	1.55	0	14	7	10
1923	59.7	93	21	2.58	5.33	0.18	1.3	16	6	9
1924	55.5	93	27	7.20	12.29	3.91	0.1	9	7	15
1925	56.8	100	21	3.55	6.56	0.79	0.2	13	8	10
1926	61.2	94	14	2.50	4.65	0.07	T.	15	8	8
Means and extremes	61.6	105	19	3.96	12.20	0.03	0.1	13	9	9

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., May, 1926

See temperature and precipitation data in Climatological Tables, Pages 18, 19, and 20

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Clarksburg	Evaporation	.312	.236	.316	.111	.111	.132	.189	.189	.257	.198	.152	.183	.190	.172	.120	.020
	Wind movement	120	52	47	121	51	20	29	37	47	68	51	116	52	24	48	67

Station		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation	.230	.258	.114	.240	.205	.190	.216	.145	.021	.150	.109	.223	.177	.205	.202	5.598
	Wind movement	74	81	63	91	41	39	127	67	27	45	67	62	27	38	21	1,819

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for May, 1926

				Temperature, in degrees Fahr.							Precipitation, in inches				No. of days					
Stations	Counties	Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Panhandle Division																				
Bayard	Grant	2,375	25	57.5	+ 0.7	86	30	28	5†	48	4.29	+0.07	1.23	0	15	15	10	6	sw.	U. G. Clark
Brandywine	Pendleton	1,586	10	58.2	+ 0.2	89	2	28	5	48	2.30	−0.66	1.20	0	6	21	1	9	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	37	......	......	......	......	......	......	....	1.63	−2.24	0.99	0	6	......	......	......	......	J. C. Newcomer
Inwood	Berkeley	569	4	61.6[a]	......	89[a]	2	33	5	39[a]	1.53	......	0.95	0	7	19[b]	4[b]	6[b]	nw.	L. E. Dills
Martinsburg	Berkeley	435	34	62.4[a]	+ 1.3	90[a]	2†	33	5	45[a]	1.83	−2.17	0.85	0	8	19	12	0	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	30	64.6	+ 1.3	94	2	32	5	52	2.01	−1.54	1.33	0	5	30	0	1	......	M. S. Henkel
Piedmont	Mineral	1,053	13	61.4	+ 1.6	90	2	33	5	42	0.07	−3.43	0.03	0	3	16	8	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	28	62.7[d]	− 0.3	92[d]	1†	31[c]	5	47[g]	1.28	−2.35	0.90	0	3	11	17	3	......	George E. Bergdoll
Stony River Dam	Grant	3,300	6	......	......	......	......	......	......	....	1.86	......	0.93	T.	5	6	9	16	w.	A. C. Becker
Upper Tract	Pendleton	1,230	27	58.4[c]	− 3.0	82[c]	1†	31[c]	5†	45[c]	0.70	−2.48	0.50	0	3	20[d]	0[d]	7[d]	w.	J. M. Mallow
Wardensville	Hardy	1,200	8	60.3[d]	......	89[d]	2	28[d]	5	46[f]	0.69	......	0.40	0	3	18[e]	5[e]	3[e]	......	Luther F. Sutton
Averages and	extremes	......	....	60.7	+ 0.3	94	2	28	5	52	1.65	−1.85	1.33	T.	6	18	7	6	w.	
Northern Division																				
Aberdeen	Upshur	1,060	2	......	......	......	......	......	......	....	2.98	......	0.95	0	12	13	13	5	nw.	L. Else Bond
Bens Run	Pleasants	652	24	62.9	− 0.3	90	7†	35	4	43	1.20	−3.33	0.27	0	9	11	16	4	......	J. D. Riggs
Benson	Harrison	1,080	3	60.7	......	88	7	32	5	46	2.98	......	0.61	0	11	14	15	2	......	R. D Marts
Brownsville	Lewis	1,032	3	61.9	......	90	2	34	5	49	2.89	......	0.53	0	13	10	16	5	......	George M. Myers
Bruceton Mills	Preston	1,549	6	......	......	......	......	......	......	....	1.28	−3.13	0.25	0	11	7	16	8	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	29	61.3	− 0.6	85	2	35	4	42	3.14	−1.46	1.20	0	8	22	2	7	......	H. A. Darnall
Cairo ††	Ritchie	680	27	62.7	− 1.1	89	7†	31	5	49	1.72	−1.80	0.50	0	11	19	7	5	......	O. C. Hess
Clarksburg	Harrison	1,015	4	60.8	......	88	2	35	4†	42	2.06	......	0.36	0	14	16	8	7	w.	Clarksburg Water Board
Cortland	Tucker	3,300	15	......	......	......	......	......	......	....	3.42	−1.07	0.90	0	7	15	14	2	......	G. W. Harmon
Crawford	Lewis	1,107	3	......	......	......	......	......	......	....	3.23	......	0.90	0	12	14	13	4	......	George W. Blair
Creston	Wirt	640	24	64.8	+ 1.3	89	8	38	5†	47	2.55	−1.36	0.66	0	7	19	0	12	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	5	......	......	......	......	......	......	....	1.29	......	0.29	0	10	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	10	......	......	......	......	......	......	....	1.92	......	0.48	0	9	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	10	......	......	......	......	......	......	....	1.92	......	0.36	0	12	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	5	......	......	......	......	......	......	....	2.00	......	0.30	0	13	......	......	......	......	Lockmaster
Davis	Tucker	3,093	17	......	......	......	......	......	......	....	2.93	−1.22	1.01	0	10	17	6	8	w.	Ross C. Male
Elizabeth[Dam 3 L.K.]	Wirt	615	14	......	......	......	......	......	......	....	1.78	−1.91	0.55	0	9	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	25	58.2	− 1.0	83	2	33	5	41	3.04	−0.94	0.80	0	12	8	16	7	nw.	U. S. Weather Bureau
Evenwood	Randolph	3,240	1	......	......	......	......	......	......	....	3.58	......	0.88	T.	12	10	7	14	......	Claude A. Cunningham
Fairmont	Marion	883	20	62.9	+ 0.5	92	7	36	11	44	2.21	−1.75	0.44	0	12	21	3	7	w.	Creed E. Bolyard
Glenville	Gilmer	738	32	64.6	+ 1.1	91	2†	32	5	49	3.73	−0.48	0.70	0	11	10	13	8	w.	Howard R. Brannon
Grafton (near)	Taylor	1,000	33	59.8[c]	− 2.3	89[c]	1	31[b]	11	47[e]	2.18	−2.10	0.58	0	10	15	10	6	w.	Curtis Boice
Horner	Lewis	1,044	3	......	......	......	......	......	......	....	3.86	......	0.72	0	11	23	4	4	......	Thomas E. Miles
Horton	Randolph	2,840	1	......	......	......	......	......	......	....	3.53	......	0.69	0	11	11	9	11	w	J. W. White
Janelew(near)	Lewis	1,020	3	61.4	......	90	2	33	5	47	2.69	......	0.55	0	9	19	8	4	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	28	59.3	− 1.8	88	7†	31	5	47	2.83	−1.46	0.57	0	11	17	5	9	w.	Allen Smith
Mannington	Marion	985	23	59.8	− 1.2	87	2	33	11	43	2.60	−1.45	0.38	0	14	17	5	9	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	33	62.6	+ 0.1	88	2†	32	4	36	0.99	−2.63	0.26	0	6	12	10	9	s.	Prof. E. L. Andrews
Moundsville	Marshall	689	23	61.8	− 1.3	89	2	33	11	45	1.71	−1.59	0.40	0	13	9	14	8	sw.	U. S Signal Corps
New Cumberland	Hancock	671	28	60.0	− 0.7	88	2	32	4	43	1.21	−2.09	0.42	0	14	19	3	9	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	32	61.3	− 2.3	90	2†	32	4†	49	1.32	−2.42	0.25	0	10	18	2	11	s.	Wm. Ankrom
Parkersburg	Wood	638	39	63.8	0	88	1	37	4	39	1.41	−2.05	0.46	0	11	12	8	11	n.	U. S. Weather Bureau
Parsons	Tucker	1,649	26	60.2	+ 1.1	89	30	33	5	50	2.19	−1.71	......	0	......	12	10	9	......	J. W. Swisher
Philippi	Barbour	1,550	29	61.4	− 0.3	86	2	32	4	35	3.32	−0.96	0.86	0	13	12	15	4	w.	Prof W. B. Pimm
Pickens	Randolph	2,697	23	56.7	− 2.1	85	2	28	4	43	3.57	−1.76	1.13	0	8	18	6	7	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	3	......	......	......	......	......	......	....	3.21	......	0.97	0	10	14	9	8	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	39	......	......	......	......	......	......	....	1.72	−2.64	0.45	0	9	......	......	......	......	J. F. Pierce
Saint Marys	Pleasants	577	17	......	......	......	......	......	......	....	1.36	−2.50	0.37	0	10	......	......	......	sw.	Wm. Hughes
Smithfield	Wetzel	850	20	......	......	......	......	......	......	....	1.08	−3.10	0.41	0	5	18	4	9	......	G. M. Whisler
Terra Alta	Preston	2,559	25	54.0	− 5.0	79	2	26	4	39	1.33	−3.66	0.26	0	14	13	8	10	nw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	3	62.5	......	90	2	32	4	44	2.27	......	0.40	0	12	22	3	6	w.	J. C. Campbell
Vandalia	Lewis	1,120	3	......	......	......	......	......	......	....	2.76	......	1.15	0	5	......	......	......	......	Miss Phyllis West
Wellsburg	Brooke	668	25	59.3	− 1.2	89	7	30	11	47	2.04	−1.44	0.57	0	9	16	12	3	......	George P. Pfister
West Milford	Harrison	979	1	......	......	......	......	......	......	....	2.36	......	0.41	0	12	......	......	......	......	Miss Dicie E. Wagner
Wheeling	Ohio	645	39	61.7	− 1.2	93	7†	32	4†	48	2.64	−0.82	0.62	0	10	15	7	9	sw.	Miss M. B. Forsyth
Averages and	extremes	......	....	61.0	− 0.9	93	7†	26	4	50	2.37	−1.89	1.20	T.	10	15	9	7	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	....	......	......	......	......	......	......	....	2.84	......	0.92	0	11	16	10	5	w.	H. S. Sutton
Bancroft	Putnam	574	22	61.4	− 2.4	85	17†	34	5	45	2.73	−1.41	0.55	0	10	20	0	11	ne.	R. E. Dent
Beckley	Raleigh	2,440	26	64.2	+ 4.0	99	26	38	6	40	......	......	2.40	0	......	14	7	10	w.	K. E. Williams
Bluefield	Mercer	2 558	31	......	......	85[f]	7†	......	......	....	2.09	−1.55	0.95	0	8	5[e]	18[e]	3[e]	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	11	......	......	......	......	......	......	....	2.84	......	1.20	0	8	7	0	24	s.	Miss Katie Jarvis
Charleston	Kanawha	600	23	63.7	− 2.2	93	8	34	5	53	3.01	−1.06	1.15	0	9	18	0	13	......	R O. Fields
Clay	Clay	706	10	......	......	......	......	......	......	....	3.20	......	1.46	0	9	......	......	......	......	Ted Thomas
Dam 6 G. K.	Kanawha	598	....	......	......	......	......	......	......	....	2.62	......	1.11	0	7	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	10	......	......	......	......	......	......	....	2.35	......	0.54	0	10	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	10	......	......	......	......	......	......	....	2.23	......	0.78	0	11	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	10	......	......	......	......	......	......	....	1.61	......	0.48	0	8	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	10	63.2	......	88	8	33	5	46	3.49	......	1.40	0	13	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	29	......	......	......	......	......	......	....	1.57	−2.20	0.50	0	8	10	8	13	......	Mrs. J. R. Baber
Huntington	Cabell	538	32	64.4	− 0.5	87	8	37	5	40	2.84	−1.17	1.07	0	11	15	4	12	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	7	......	......	......	......	......	......	....	2.86	......	1.15	0	6	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	10	......	......	......	......	......	......	....	3.80	......	1.24	0	14	......	......	......	......	Cabin Creek Con. Coal Co
Kermit	Mingo	579	0	......	......	......	......	......	......	....	3.00	......	1.50	0	7	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	26	60.0[d]	− 0.6	85	8	29[d]	5	46[d]	1.85	−1.79	0.67	0	10	16	8	7	nw.	Geo. T. Argabrite
Logan	Logan	700	23	......	......	......	......	......	......	....	4.55	+0.39	1.72	0	11	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	27	56.4	− 1.6	84	7	24	5	44	4.57	+0.56	1.22	0	12	5	24	2	sw.	S. L. Brown
Organ Cave	Greenbrier	......	0	......	......	......	......	......	......	....	1.62	......	0.40	0	6	17	2	12	w.	J. J. Hedrick
Point Pleasant	Mason	595	33	64.8	− 0.4	92	2†	32	5	48	3.03	−0.92	0 60	0	11	18	4	9	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	11	61.1	......	89	8†	33	5	50	4.24	......	2.38	0	9	19	0	12	ne.	Lockmaster
Robertsburg	Putnam	570	26	62.6	− 1.3	90	8	31	5	46	2.56	−1.04	0.53	0	12	18	0	13	......	M. Frazier
Ryan	Roane	700	23	60.0	− 2.2	89	7	28	5	49	3.12	−0.58	0.90	0	12	12	8	11	......	Wm. E. Ryan
Sharples	Logan	......	6	......	......	......	......	......	......	....	3.17	......	0.98	0	6	......	......	......	......	R. W. Howard
Spencer ††	Roane	789	22	61.7	− 0.9	89	7	32	5	44	3.79	+0.09	1.08	0	10	8	17	6	......	A. M. McKown
Sutton	Braxton	850	20	60.0	− 5.3	88	2†	31	5	46	3.99	−0.50	1.66	0	7	23	0	8	......	C. B. Eakle
Union [e]	Monroe	2,250	22	61.6	+ 0.8	91	10	28	5	52	2.08	−0.68	0.62	0	7	14	6	6	......	W. M. H. Young
Wayne	Wayne	598	....	......	......	......	......	......	......	....	2.57	......	0.77	0	11	......	......	......	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	16	62.0[a]	− 1.6	90[a]	6	27	4	53[a]	2.86	−1.01	0.75	0	11	19	1	11	......	H. E. Green
Williamson	Mingo	673	26	......	......	......	......	......	......	....	1.36	+0.55	1.59	0	8	23	0	8	......	H. C. Mohler
Averages and	extremes	......	....	61.8	− 1.1	93	8	24	5	53	2.98	−0.70	2.40	0	9	15	6	10	w.	
State averages and	extremes	......	....	61.2	− 0.7	94	2	24	5	53	2.50	−1.51	2.40	T.	9	15	8	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used i determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for May, 1926

Stations	Drainage basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac		.02	.03	.14										.03	.06	1.11	.03	.31	1.23	.63		.17		.08		T.	.21				.23	1.29
Brandywine	do									T.	.01					*	1.20		.25						.15		.20	.50					2.40
Harpers Ferry ‖	do														.03	.05	.99	.04	.03	.49				T.		T							1.63
Inwood	do																.95	.06	.03	.30				.02		.05						.12	1.53
Martinsburg‖	do				T.						T.	T.				.04	.85	.05	.05	.55	.25			.02		.02							1.83
Moorefield	do															.22	1.33			.31	.01						.14						2.01
Piedmont	do																			.02	T.		.03		.02		T.						0.07
Romney ‖	do													.90					.28				.10										1.28
Stony River Dam‖	do																.93			.46	.05					.12		.30					1.86
Upper Tract	do															T.	.50								.10		T				.10		0.70
Wardensville‖	do										T.				T.	.02	.27		T.									.40					0.69
Northern Division																																	
Aberdeen	Monongahela			.19							.02				.05	.11	.52			.70	.25		.23		.10		.12	.35				.34	2.98
Bens Run	Ohio	.15		.08											.15				.12				.16		.08		.27	.15			.04		1.20
Benson	Monongahela			.44								.07				.11	.37			.15	.35		.22		.25		.16	.25				.61	2.98
Brownsville	do			.18							.04				.03	.03	.52			.33	.53		.27		.04	.01	.12	.48				.31	2.89
Bruceton Mills	do	T.		.12							.07				T.	.04		.05	.25	.16			.17	.09	.14	T.	.07				T.	.13	1.28
Buckhannon	do			.20										T.		.25				1.20			.23	.20		T.	.16	.42				.48	3.14
Cairo	Little Kanawha	.03		.19						T	T.					.14	.05		.04	.05			.17		T.	.05	.15	.35			.50	T.	1.72
Clarksburg ‖	Monongahela				.21						T	.03			.04	.01	.36		.04	.06	.25		.05	.22		.22	.06	.30				.21	2.66
Cortland ‖	do			.63												.90							.39		.46	.44					.25	.35	3.42
Crawford	Little Kanawha			.28							.12				.04	.03	.90			.60	.19		.18		.02		.28		.30			.29	3.23
Creston ‖	Monongahela				.18											.15		.20			.48			.25					.66			.63	2.55
Dam 10, Mon. R.‖	Ohio				.27							.01			.02	.23	.05			.21	.08			.19				.07				.13	1.29
Dam 12, O. R.‖	do				.21						T.	.05				.06			.06	.34	.37		.28	T.	T.			.07				.48	1.92
Dam 13, O. R.‖	Monongahela	.12			.18						T.	.04				.07			.01	.36	.27		.30	.08		.05		.12				.32	1.92
Dam 15, Mon. R.‖	do	.02		T.	.21						.05	.04				.18	.20		.16	.14	.21			.20		.18		.11				.30	2.00
Davis ‖	do				.18							.05					1.01		.09	.40	.15			.15	.19			.43				.28	2.93
lizabeth (D'm 3 L K)	Little Kanawha				.20											.14	.10			.15			.19			.04	.08	.55				.33	1.78
lkins ***	Monongahela			.13							.09	T.	T.	T.	.03	.55	.25		.52	.21			.10		.27	T.	.51	.18			.17	T.	3.04
venwood	do			.16	T.						.20		T.		T.	.27	.88	.15	.20	.25			.16		.55		.28			T.	.05	.40	3.58
airmont ‖	do		.11								T.	.01				.17	.27		.03	.35	.36			.25		.14	.13	.12				.27	2.21
lenville ‖	Little Kanawha				.09							.06				.22	.65			.32	.48			.23		.04	.42	.52				.70	3.73
rafton (near) ‖	Monongahela			.25											.11	.41		.02	.07	.58			.27		.04	.24	.19						2.18
orner	do			.15											.05	.08	.69			.38	.72		.24		.45		.21	.44				.45	3.86
orton	do			.10							.08					.30	.69			.35	.12		.05		.56		.20	.62				.46	3.53
nelew (near)	do			.20											.12	.05	.50			.55			.20		.12		.50					.45	2.69
st Creek	do			.57							.03				.03	.05	.34		T.	.55			.37		.14		.08	.20				.47	2.83
annington	do	.07		.27							.01	T			.29	.14	.18	.01	.17	.28			.20		.18		.33	.09				.38	2.60
rgantown	do	T.		.26							T.				T.	.20	T.		T.	.21			.19	T.	T.		T.				.10	.03	0.99
undsville‖	Ohio	.13		.20						.01	.04	T.			.01	.13		T.		.24	.10		.40	T.	.03		.08	.06				.27	1.71
w Cumberland‖	do	.05	.05	T.	.23							.02			.01	.09			.05	.42	.03		.14	.02	.02			.03				.05	1.21
w Martinsville	do	.20		.15											.10	.05			.25	.05			.15		.10	.12						.15	1.32
rkersburg ***	do	T.		.06							T.			T.	.12	.03			.13	.01			.18		.02	.05	.45	.01			.35	T.	1.41
rsons	Monongahela			*							.60								*	*			*		*	*	1.10				*	.49	2.19
ilippi	do			.29	T.						T.	.08			.05	.21	.45	T.	.03	.83			.43	T.	.46	.01	.18	.21				.09	3.32
kens	do			.17						T.	.08				T.	.31	1.13						.18		T.		.74	.46				.50	3.57
anoke	do			.18							.06				.04	T.	.77			T.	.97		.20	.04	T.		.09	.51				.35	3.21
wlesburg ‖	do	.02			.39										.04		.40		.04	.07	.45					.16		.15					1.72
nt Marys ‖	Ohio	.02									T.	.03				.10				.07	.12		.17	T.		.08	.37	.18			.22		1.36
thfield‖	Fishing Creek						.09				.21										.32					.05						.41	1.08
ra Alta	Monongahela	T.	T.							T.	T	.06			.03	.03	.20	.08	.02	.03	.16		.19	.05	.06	T.	.02	.14				.26	1.33
ley Chapel	do			.22								.03			.05	.02	.40			.30	.05		.30		.10		.15	.30				.35	2.27
dalia	do																.82				1.15		.15						.61			.03	2.76
sburg	Ohio	.02	.02	.21							T.	.09			T.	.11		T.	.44	.57			.32	T.			T.					.26	2.04
t Milford	Monongahela			.41								.10			.05	.10	.30			.20	.25		.20	.10			.10	.20				.35	2.36
eling‖	Ohio	.15			.25						T.	.04				.07			.06	.45	.60		.30	T.				.07				.62	2.64
uthern Division																																	
vale	Great Kanawha			.01							.03	.06			.06		.81		.27		.04		.01				.16	.92				.47	2.84
roft ‖	do				.33						.11	.20				.15	.49			.08						.28		.55			.04	.50	2.73
ley	do									T.	2.40					.45									1.25							.55	4.65
ield	do			.17								.56	15			.95		.10		.05	.07							.04					2.09
den-on-Gauley‖	do										.80					1.20																.84	2.84
leston ‖	do				.28						.08	.27				.06	1.15							.08		.28		.36				.45	3.01
‖	do				.41						.08	.14				.16	1.30							.18			.03	.80				.10	3.20
6 G. K. ‖	do										.18					1.11					.30					.25		.33			.24	.21	2.62
19 O. R. ‖	Ohio			T.	.30						.03				T.	.23				.36	.09		.19			.05	.11	.45				.54	2.35
20 O. R. ‖	do				.12						.05					.22	.04		.07	.05			.08			.02	.07	.73				.78	2.23
26 O. R. ‖	do				.10						.08	.25				.48				.03	.04					.20		.40					1.61
‖	Big Sandy				.34	.03					.40	.05		.01		.05	1.40	.02		.11	.48					.04			.25			.31	3.49
n ‖	do										.26	.12					.50			.18	.17					.20		.06	.08				1.57
ington ‖	Ohio			T.	.02						.14	.12	.01			.18	.54			.22	T		.08			.34		.12				1.07	2.84
wha Falls‖	Great Kanawha											.30					1.15				.12					.34		.35				.60	2.86
rd‖	do				.27						.13	.58	.01	T.	T.	.10	1.24		.02	.30	.33					.33		.06	.07		.06	.30	3.80
t ‖	Big Sandy				.42							.21				.16	1.50									.32			.18			.21	3.00
burg	Great Kanawha			.02							.07					.50	.17		.54	.04	.18					.03		.23			.07		1.85
‖	Guyandotte				.12						.04	.75				.29	.89			.02	.32				.38			.02			.22	1.50	4.55
ton	Great Kanawha			.11						T.	.60				.04	.92		T.	.22	.08			.22		T.	.06	.18	1.22			.16	.76	4.57
Cave	do															.20	.30		.15	.35								.22				.40	1.62
Pleasant ‖	Ohio			.08							.12	.55				.55	.21			.12			.20			.38	.12	.60				.10	3.03
swood (Dam 22	do			T.	.22	T.					.05	.02				.36	.10			.21			.20	T.		T.	T.	.70				2.38	4.24
sburg ‖	Great Kanawha			.04	.15						.08	.17				.53	.28			.12	.14		.14			.28		.45				.18	2.56
	do			.70						T.	.05	.25			.03	.27	.23		.40	.13			.08		.04	T.	T.				.90	.04	3.12
es‖	Coal River															.63	.98			.11	.35					.50						.60	3.17
r ‖	Great Kanawha				.25						T.	1.08				.19	.35			.08	.16			.18			.60	.67				.23	3.79
	do			.36												T.				1.66			.19			.54	.52	.32				.40	3.99
	do			.15									.30		.46					.62	.15		T					.32				.08	2.08
‖	Big Sandy				.14						.10	.16				.30	.77			.19	.12		.02			.46		.06			T.	.25	2.57
ulpr. Spgs.‖	Great Kanawha			.10							.10		.05			.75			.40	.20					.08		.38	.15			.50	.15	2.86
son ‖	Big Sandy				.30							.10				.43	1.16				.31					.47			.20			1.39	4.36

xcept as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

Trace, or less than 0.01 inch.

Daily Temperatures for May, 1926

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	79	84	75	51	67	78	84	82	75	65	61	71	70	68	66	62	75	79	79	71	77	77	69	67	75	73	71	70	73	86	80	72.9
	Minimum	57	41	47	29	28	41	33	37	41	43	38	28	41	42	57	46	43	44	46	44	29	39	40	36	41	57	47	32	37	57	59	42.1
Brandywine	Maximum	85	89	78	60	62	72	88	87	80	75	83	70	70	67	64	62	77	80	75	74	72	75	68	74	80	80	70	65	68	80	85	74.7
	Minimum	45	44	40	35	28	40	40	42	40	44	40	34	45	45	40	42	40	45	46	43	34	40	39	35	50	55	50	36	40	45	52	41.8
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Martinsburg§	Maximum	87	90	84	67	78	83	90	89	83	66	72	72	80	78	77	72	66	90	83	72	76	78	59	76	82	76	75	79	89	81	....	78.0
	Minimum	53	49	54	36	33	49	48	52	54	53	42	42	44	51	41	48	45	48	51	50	39	43	51	39	48	44	43	48	50	49	52	46.7
Moorfield	Maximum	92	91	87	74	73	84	92	92	85	53	71	87	84	76	75	69	84	88	88	78	80	79	80	76	85	81	77	75	78	86	85	81.9
	Minimum	62	48	56	38	32	49	44	45	46	51	41	35	51	51	43	50	42	59	52	51	38	47	50	37	48	56	53	43	51	49	53	47.3
Piedmont	Maximum	86	90	75	57	73	83	88	85	79	68	66	74	75	71	71	70	81	83	84	70	78	71	71	73	79	75	75	70	75	85	85	76.3
	Minimum	69	58	52	34	33	53	46	50	49	48	40	35	44	52	44	50	42	56	53	49	36	46	46	36	44	46	45	43	41	46	62	46.6
Romney	Maximum	92	89	80	67	73	86	92	84	83	55	70	79	88	73	....	83	....	86	86	65	81	73	61	83	....	78	78	71	89	88	....	79.0
	Minimum	55	50	59	35	31	42	47	48	48	49	45	35	50	41	49	....	42	....	49	57	35	44	47	36	45	....	46	41	46	47	63	46.4
Upper Tract	Maximum	82	82	80	60	64	76	....	76	76	75	75	73	72	....	72	65	70	78	74	73	71	73	71	72	72	72	....	70	72	74	78	73.2
	Minimum	47	48	56	36	31	[illegible]	....	31	45	42	41	31	35	....	42	48	48	44	52	52	36	49	46	43	48	55	....	49	44	48	48	43.5
Wardensville§	Maximum	....	89	80	71	70	84	88	86	80	75	69	78	80	78	73	74	81	84	82	75	....	78	79	74	81	81	79	78	80	....	....	79.0
	Minimum	....	....	45	34	28	42	43	43	44	47	45	32	50	48	40	42	40	42	49	55	34	....	33	35	42	45	50	40	38	33	....	41.6
Northern Division																																	
Bens Run	Maximum	87	88	81	58	73	86	90	90	82	69	68	74	74	75	64	78	82	83	68	77	83	72	65	76	80	73	78	81	85	84	79	77.5
	Minimum	55	51	53	35	38	45	50	50	51	52	39	40	43	51	50	43	63	59	49	45	40	42	46	44	48	[illegible]	51	49	49	55	56	48.3
Buckhannon	Maximum	83	85	74	55	65	81	82	82	82	67	62	69	72	70	65	68	78	86	74	69	77	72	65	[illegible]	75	73	72	75	75	80	78	73.4
	Minimum	57	65	51	35	37	42	47	47	47	52	36	38	44	50	47	45	58	53	58	47	41	47	40	47	56	[illegible]	51	45	48	60	62	49.2
Cairo	Maximum	88	85	83	59	74	85	89	89	78	71	65	72	74	76	75	77	84	84	72	75	82	78	67	88	82	77	78	83	83	83	82	78.7
	Minimum	45	47	54	36	31	40	50	40	46	51	42	44	46	55	54	40	50	52	49	47	35	48	47	38	52	55	50	45	45	51	62	46.7
Clarksburg§	Maximum	85	88	70	56	65	82	87	85	72	64	66	73	72	73	62	72	80	82	80	72	81	74	62	66	77	72	74	75	83	86	79	74.9
	Minimum	54	48	58	35	35	43	45	46	47	51	39	39	41	49	46	49	47	52	52	47	39	50	44	40	48	55	51	44	56	50	61	46.8
Creston	Maximum	88	88	79	62	78	85	87	89	78	73	70	78	76	74	68	79	86	86	85	80	81	82	82	85	81	84	80	84	86	85	87	81.1
	Minimum	49	51	55	48	35	50	45	48	50	54	40	42	42	44	53	42	48	52	52	46	46	49	48	38	55	56	51	46	49	54	61	48.5
Elkins	Maximum	81	83	70	50	65	76	82	80	72	63	59	67	69	67	65	68	76	79	78	65	78	70	57	62	73	67	73	73	76	82	75	71.0
	Minimum	54	47	43	33	33	40	41	44	45	47	35	35	44	48	43	47	48	57	50	44	37	50	45	37	58	59	49	42	45	52	61	45.5
Fairmont§	Maximum	84	80	81	78	83	86	92	91	72	58	63	76	78	73	67	71	80	82	75	75	80	78	63	68	71	78	78	81	82	85	81	77.6
	Minimum	48	54	49	49	47	51	45	49	49	50	36	39	42	50	47	47	49	54	54	48	41	47	45	43	47	53	48	45	54	49	59	48.2
Glenville	Maximum	90	91	85	61	89	86	90	91	89	81	74	75	78	73	70	79	87	80	86	83	90	84	76	80	83	80	82	83	83	84	82	82.2
	Minimum	45	48	54	38	32	40	45	48	49	55	40	39	42	50	51	45	47	51	54	48	41	45	48	39	55	58	52	45	47	46	52	47.0
Grafton (near)§	Maximum	89	72	64	....	82	88	....	88	65	68	72	75	72	72	78	81	81	81	78	81	77	62	68	78	75	76	80	82	86	83	....	77.0
	Minimum	45	54	32	33	....	41	42	....	42	32	31	26	45	41	41	42	46	47	44	31	44	43	34	45	52	46	40	42	44	59	54	42.7
Lost Creek	Maximum	85	86	76	57	70	83	88	85	73	67	70	75	73	73	63	73	81	85	76	71	79	73	65	70	78	75	75	75	83	82	77	75.6
	Minimum	54	44	50	33	31	39	41	41	41	49	40	34	36	45	43	41	45	50	45	45	53	47	42	35	46	52	48	38	39	45	53	43.0
Mannington	Maximum	81	87	82	57	68	81	86	86	85	65	66	70	72	71	62	72	80	81	77	64	78	76	69	73	76	73	74	76	75	82	79	75.1
	Minimum	50	47	51	34	35	42	43	44	41	48	33	34	37	48	44	44	41	49	56	47	37	45	45	39	44	52	48	41	45	48	59	44.4
Morgantown	Maximum	87	88	82	56	68	82	85	84	80	66	66	72	73	72	62	72	82	72	79	78	80	77	71	75	80	72	74	80	82	85	82	76.4
	Minimum	59	57	48	32	38	51	50	50	51	46	36	38	42	52	48	46	51	55	56	47	46	57	43	43	44	53	45	51	53	56	62	48.7
New Cumberland§	Maximum	85	88	65	57	66	83	87	85	70	50	65	70	71	76	71	75	83	84	74	63	80	56	64	75	76	67	78	78	87	85	81	75.1
	Minimum	49	51	59	32	34	44	45	47	48	37	35	42	36	44	47	35	46	49	56	59	57	55	42	41	42	45	42	45	47	56	61	44.
New Martinsville	Maximum	85	90	84	61	70	85	90	88	79	67	65	73	74	76	64	76	85	85	77	73	84	76	73	79	82	75	79	83	86	85	82	78.
	Minimum	51	47	45	32	33	40	44	45	45	47	32	35	37	58	46	40	44	50	51	43	35	52	43	40	45	52	45	41	44	45	55	44.
Parkersburg	Maximum	88	88	71	54	71	83	86	86	75	65	65	72	74	76	80	75	83	82	77	76	81	75	64	83	81	72	76	86	84	83	82	76.
	Minimum	60	55	45	37	39	49	53	55	56	51	42	44	46	55	53	47	66	61	50	50	45	50	47	41	55	52	52	52	53	61	62	51.
Parsons	Maximum	85	86	75	56	69	82	86	85	76	68	72	[illegible]	72	73	70	68	79	84	75	80	84	78	63	65	[illegible]	71	78	79	78	89	85	76.1
	Minimum	50	55	41	34	33	[illegible]	42	41	43	43	41	34	44	52	48	45	46	48	[illegible]	[illegible]	34	49	48	35	42	54	45	42	[illegible]	45	46	44.
Philippi	Maximum	83	86	83	52	67	[illegible]	84	83	75	65	83	70	71	69	65	[illegible]	[illegible]	79	76	75	77	73	67	[illegible]	74	71	73	76	75	81	76	73.
	Minimum	59	54	45	32	38	47	50	50	52	48	36	59	46	49	49	47	52	57	[illegible]	53	59	57	42	42	49	55	49	47	51	50	62	49.
Pickens	Maximum	82	85	69	58	67	74	84	82	77	69	63	65	65	69	65	64	76	69	79	70	61	70	62	78	75	70	74	74	77	72	74	71.
	Minimum	51	47	44	28	30	38	47	44	43	41	38	32	35	40	38	40	43	40	36	48	40	40	36	[illegible]	55	[illegible]	53	53	45	48	52	41.
Terra Alta	Maximum	75	79	74	46	59	73	78	75	71	60	51	63	62	61	60	62	76	72	72	60	70	70	65	[illegible]	67	[illegible]	63	64	67	76	72	66.
	Minimum	56	43	37	26	28	41	40	40	56	42	35	29	35	44	33	45	45	46	48	47	31	45	37	58	43	45	44	42	43	38	58	41.
Wellsburg	Maximum	85	88	83	58	63	84	89	87	81	66	67	71	71	76	64	[illegible]	84	81	[illegible]	76	82	71	60	78	72	69	79	78	84	86	81	76.
	Minimum	49	47	62	33	35	49	42	43	44	39	[illegible]	37	32	45	40	35	42	54	[illegible]	40	[illegible]	52	43	39	41	45	41	41	42	47	64	42.
Weston	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Wheeling§	Maximum	88	92	68	61	72	88	93	93	80	66	72	74	76	79	69	73	87	86	75	74	84	76	64	79	81	[illegible]	86	80	84	75	81	78.
	Minimum	54	50	60	32	31	43	45	47	50	45	34	32	36	40	43	39	44	52	53	41	38	54	42	42	42	[illegible]	44	44	48	51	61	44.
Southern Division																																	
Bluefield	Maximum	81	....	83	82	83	82	85	84	....	80	83	84	85	85	81	....	85	85	83	80	80	81	....	81	82	82	81	80	79	....	....	82.
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Charleston	Maximum	89	93	70	61	76	88	92	92	80	82	74	68	74	76	55	76	81	81	79	74	78	84	68	86	86	58	81	81	84	82	76	79.
	Minimum	44	50	55	56	34	35	45	50	50	58	47	44	43	43	52	43	50	56	55	45	44	45	45	42	45	58	54	50	51	55	60	45.
Gary§	Maximum	85	87	84	67	77	83	87	88	80	79	73	71	75	73	61	71	81	83	80	71	80	78	67	84	84	86	72	75	78	81	78	78.
	Minimum	41	45	55	38	33	42	47	49	53	55	51	51	44	53	48	49	44	49	53	50	42	43	49	38	52	55	53	47	49	51	61	48.
Hinton§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Huntington§	Maximum	85	86	66	55	70	81	85	87	78	75	65	67	73	75	56	78	83	81	75	70	80	78	66	84	84	85	76	79	80	82	75	76.
	Minimum	65	51	60	49	37	45	52	55	60	57	46	48	45	53	54	46	55	62	62	56	45	55	45	44	[illegible]	62	55	51	57	62	62	52.
Lewisburg	Maximum	84	83	78	69	71	79	81	85	78	78	69	61	71	65	66	66	77	79	77	69	71	75	68	78	79	81	73	68	74	78	76	74.
	Minimum	38	41	51	35	29	29	41	44	54	57	47	43	57	45	41	....	....	....	....	48	50	44	45	50	55	56	56	45	42	49	60	45.
Marlinton	Maximum	78	80	78	58	68	78	81	78	74	70	62	64	68	62	60	62	74	76	75	68	70	68	55	74	76	74	64	66	70	[illegible]	71	70.
	Minimum	44	42	41	22	24	34	40	49	42	51	45	36	32	44	33	44	44	44	50	46	34	38	41	30	52	50	52	42	48	44	58	42.
Point Pleasant	Maximum	88	92	82	75	75	85	89	92	92	85	85	70	75	80	70	89	82	85	75	75	85	89	70	85	85	80	85	83	84	81	85	81
	Minimum	40	50	50	50	32	42	41	47	55	55	55	42	40	47	51	40	65	55	60	45	42	40	40	46	55	60	50	47	50	59	44	47.
Ravenswood	Maximum	86	86	85	65	72	81	88	89	89	73	68	72	73	75	63	65	69	82	83	71	80	81	73	83	83	85	77	79	82	83	78	78.
	Minimum	42	45	35	35	33	44	46	48	52	52	40	44	41	47	53	36	58	44	43	41	43	51	39	36	45	48	42	37	43	55	[illegible]	41.
Robertsburg§	Maximum	57	88	65	59	74	82	88	90	78	73	68	72	72	70	60	75	83	82	75	77	81	78	66	84	85	52	75	85	80	57	[illegible]	77
	Minimum	44	53	53	34	31	36	43	47	54	50	40	44	41	49	43	40	50	60	54	43	40	54	45	38	45	69	50	45	50	57	[illegible]	45.
Ryan	Maximum	80	57	68	50	70	83	89	88	80	68	[illegible]	70	75	75	57	72	82	81	70	71	80	75	65	83	82	77	65	78	80	80	75	71.
	Minimum	43	44	55	34	28	33	45	44	46	50	58	58	37	47	49	34	41	49	49	40	35	45	47	34	45	55	50	42	45	54	58	44.
Spencer§	Maximum	86	88	69	57	72	85	89	81	82	67	63	47	77	63	59	75	83	80	75	72	70	78	64	83	83	74	75	76	81	81	75	71
	Minimum	51	49	62	36	32	42	45	49	51	52	41	44	41	45	52	46	59	54	55	45	41	51	46	38	56	58	51	45	52	55	62	48.
Sutton	Maximum	57	88	55	59	70	80	86	87	87	80	75	64	72	74	75	75	81	81	78	70	83	83	77	81	81	80	75	80	82	82	73	78
	Minimum	42	45	43	56	31	35	43	42	44	43	42	37	39	43	44	45	43	43	44	45	35	45	44	35	41	42	35	40	42	43	43	41
Union	Maximum	83	....	88	66	75	88	89	90	....	91	75	75	[illegible]	72	72	....	81	85	84	79	80	59	....	83	85	55	56	71	77	....	85	81
	Minimum	41	....	41	34	28	36	41	41	....	45	45	43	[illegible]	45	37	....	44	45	45	45	38	43	....	32	51	53	51	42	43	....	48	42
White Sulphur Spgs§	Maximum	79	78	68	77	83	90	84	82	56	75	62	73	88	71	71	86	85	84	74	82	79	70	55	57	86	63	71	77	[illegible]	81	....	79
	Minimum	41	55	33	27	35	40	41	43	53	49	41	35	47	35	49	46	43	50	47	55	41	45	32	52	55	58	46	43	47	60	[illegible]	4
Williamson§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WPO Cleveland, 7-[illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

LIBRARY OF
AUG 3 1926
UNIVERSITY OF ILLINOIS

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXIV PARKERSBURG, W. VA., JUNE, 1926 No. 6

GENERAL SUMMARY

June was exceptionally cool and dry. The average temperature for the State, 65.9°, was slightly more than 3° below the normal and was the lowest of June State record, except in 1903, 1907, and 1916, when the June averages were 65.1°, 65.3° and 65.8°, respectively. The month was nearly continuously cool, the lowest temperatures observed comparing well with those of other Junes of record. The rainfall averaged nearly one inch below the normal and was well distributed throughout the month but unevenly distributed over the State, falling mostly during thunderstorms. Light hail fell in many localities on six or seven days, but destructive hail was not reported. All growth was late at the beginning of the month, especially meadows and pastures, which were much damaged by the dry weather during May. While the month was too cool for rapid growth, most crops were generally good at the close of the month, although nearly two weeks late. Small fruits were plentiful and the apple-crop outlook was generally good to excellent.

TEMPERATURE

The monthly mean for the State, determined from 50 stations, was 65.9°. The departure from the normal for 41 stations having ten or more years of record was —3.1°. The month opened slightly warmer than usual, but it was decidedly cooler from the 3d to the 8th, with the lowest temperatures of the month occurring generally on the 5th, 6th, and 7th. The temperature was also below the normal from the 9th to the 11th, 14th to the 16th, and the 19th until the 30th. The highest temperatures occurred generally on the 14th.

PRECIPITATION

The average precipitation for the State, determined from 87 stations, was 3.85 inches. The departure from the normal for 51 stations having ten or more years of record was —0.96 inch. Nearly all the rainfall was measured on the 1st-2d, 4-5th, 6-7th, 12-13th, 14-15th, 18th, 22-23d, and 25-26th, but there were scattered light showers on the 3d, 17th, 20th, and 30th. The rainfall was generally heaviest over the northern counties and lightest over the southeastern counties.

LIGHT HAIL

Light hail fell in sections of the counties named below, as follows: Braxton and Randolph, 6th; Harrison, Lewis, Monongalia, Mingo, Ohio, Randolph, and Wood, 7th; Marshall, 24th; Berkeley, 25th; Brooke, Hancock, and Preston, 26th.

MISCELLANEOUS PHENOMENA

Fogs dense: Bancroft, 10th, 11th, 28th, and 29th; Bayard, 28th; Beckley, 22d; Brandywine, 17th and 28th; Brownsville, 28th; Marlinton, 2d, 8th, 10th, 11th, 14th, 19th, 24th, 25th, 28th, and 30th; Morgantown, 6th; New Cumberland, 22d; St. Marys, 10th; Terra Alta, 6th; Wellsburg, 23d.

Frost, light: Davis, 28th.

Halos, solar: Moundsville, 3d; Terra Alta, 20th.

Thunderstorms (dates and number of stations reporting): 2d, 2; 3d, 1; 7th, 11; 12th, 18; 13th, 2; 14th, 11; 15th, 13; 16th, 1; 17th, 2; 18th, 4; 21st, 4; 22d, 6; 23d, 3; 24th, 6; 25th, 6; 26th, 6; 27th, 1; 30th, 3.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a.m.	local noon	8 p.m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	29.94	71	48	66	324.5	73	4,867	6.8	38	nw.	21
Columbus, Ohio	29.94	71	50	59	311.6	69	6,972	9.7	39	nw.	7
Elkins	29.95	84	60	67	223.9	50	3,620	5.0	26	w.	7
Lexington, Ky	29.96	73	54	....	307.7	69	8,863	12.3	57	nw.	17
Parkersburg	29.96	72	52	59	254.8	57	4,002	5.6	36	nw	14
Pittsburgh, Pa	29.93	71	52	54	264.5	59	8,068	11.2	48	sw.	21
Wytheville, Va	29.95	82	57	68	246.0	56	4,229	5.9	34	sw.	7

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cl.	Cloudy
1891	71.2	.....	.....	5.02	.....	.....	.....	.....	.....	.....
1892	74.1	99	41	3.90	.....	.....	.....	.....	.....	.....
1893	70.2	99	40	3.81	6.41	1.83	.....	13	10	7
1894	70.4	103	32	3.27	6.78	1.25	.....	16	10	4
1895	72.1	102	38	2.92	5.66	1.20	.....	15	10	5
1896	69.8	95	30	5.35	9.86	0.11	.....	8	14	8
1897	69.3	96	35	4.31	6.77	1.31	.....	12	12	6
1898	70.9	99	41	3.21	7.50	0.66	.....	14	11	5
1899	72.0	98	35	4.99	8.93	1.46	.....	14	9	7
1900	71.2	98	41	5.30	15.62	2.49	.....	9	12	9
1901	70.7	104	32	5.67	11.10	1.37	.....	12	12	6
1902	68.0	100	33	5.19	8.49	2.45	.....	11	13	6
1903	65.1	93	34	4.80	12.30	2.01	.....	8	11	11
1904	69.5	97	36	4.20	8.29	2.05	.....	10	13	7
1905	70.6	100	34	4.38	7.72	1.74	.....	13	11	6
1906	70.9	101	35	5.25	9.32	2.84	.....	11	12	7
1907	65.3	97	33	6.00	11.95	1.93	.....	10	11	9
1908	69.2	98	36	3.12	6.75	1.35	.....	15	10	5
1909	71.1	101	35	5.73	9.19	2.47	.....	9	13	8
1910	66.6	96	32	5.67	11.27	1.52	.....	10	10	10
1911	70.7	101	40	4.44	9.34	1.83	.....	14	10	6
1912	67.3	95	29	4.27	9.21	1.11	.....	13	10	7
1913	69.5	99	29	3.44	6.55	0.86	.....	18	8	4
1914	72.0	100	30	3.00	6.60	0.62	.....	15	11	4
1915	67.7	95	33	3.63	7.09	1.21	.....	15	8	7
1916	65.8	94	35	5.42	14.54	2.50	.....	14	8	8
1917	67.7	99	31	3.81	6.58	1.38	.....	14	9	7
1918	68.2	99	31	4.17	10.11	0.87	.....	16	7	7
1919	73.0	100	40	5.06	10.15	1.67	.....	16	8	6
1920	67.9	98	36	5.01	9.70	2.53	.....	13	7	10
1921	72.4	101	38	4.01	8.67	0.47	.....	15	9	6
1922	70.7	97	33	4.66	7.95	1.75	.....	12	9	9
1923	70.2	102	35	4.54	10.37	1.25	.....	16	7	7
1924	68.7	98	32	4.67	7.63	1.90	.....	13	8	9
1925	72.2	109	35	3.51	8.06	1.05	.....	16	8	6
1926	65.9	95	31	3.85	9.18	0.90	.....	13	8	9
Means and extremes	69.7	109	29	4.43	15.62	0.11	.....	13	10	7

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., June, 1926

See temperature and precipitation data in Climatological Tables, Pages 22, 23, and 24

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation	.149	.110	.260	.198	.002	.005	.165	.160	.290	.230	.275	.155	.001	.277	.259	.099	.100	.251	.246	.177	.160	.240	.088	.158	.224	.170	.205	.195	.050	.275	....	5.174
	Wind movement	50	58	89	78	64	31	51	51	75	56	58	30	41	35	66	76	44	43	76	72	17	73	18	28	36	36	47	30	21	40	....	1,493

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for June, 1926

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	25	62.2	− 1.1	86	14†	34	6	45	9.18	+4.28	1.34	0	19	15	7	8	sw.	U. G. Clark
Brandywine	Pendleton	1,586	10	63.8	− 4.1	88	14†	40	11	45	3.20	−0.06	1.55	0	6	11	7	12	sw.	Elmer Keister
Burlington	Mineral	875	32	70.0	+ 1.7	95[a]	29	39	21	49	1.95	−2.02	0.90	0	3	22	4	4	e.	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	37	...	...	...	...	...	...	...	3.07	−0.63	1.41	0	8	...	...	...	...	J. C. Newcomer
Martinsburg	Berkeley	435	34	67.8[a]	− 2.8	95[a]	29	45	10†	44[a]	2.67	−1.62	0.70	0	13	16	11	3	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	30	68.6	− 1.0	94	14†	44	11†	46	2.95	−1.21	0.50	0	10	26	1	3	...	M. S. Henkel
Piedmont	Mineral	1,053	13	65.1	...	91	14	44	5†	41	2.31	−1.25	0.38	0	11	9	10	11	nw.	C. A. Suter, Jr.
Romney ††	Hampshire	824	28	67.0[c]	...	96[c]	29	39[b]	20	46[e]	2.26	...	0.54	0	9	13	8	9	...	George E. Bergdoll
Stony River Dam	Grant	3,300	6	...	...	...	...	...	...	...	3.38	...	0.60	0	15	4	10	16	w.	A. C. Becker
Upper Tract [b]	Pendleton	1,230	27	61.8	− 6.1	85	28	42	12	38	1.30	−2.89	0.40	0	5	13	0	15	w.	J. M. Mallow
Wardensville	Hardy	1,200	8	63.2[e]	...	91[e]	29	39[e]	21	49[h]	2.36	...	0.50	0	6	12[d]	6[d]	8[d]	w.	Luther F. Sutton
Averages and	extremes	...	...	65.3	− 2.2	95	29	34	6	49	3.24	−0.68	1.55	0	10	14	7	9	w.	
Northern Division																				
Aberdeen	Upshur	1,060	2	...	...	...	...	...	...	...	5.87	...	1.76	0	11	6	16	8	nw.	L. Else Bond
Bens Run	Pleasants	652	24	68.4	− 1.9	91	14	44	6	37	3.67	−0.85	1.38	0	9	17	10	3	...	J. D. Riggs
Benson	Harrison	1,080	3	65.7	...	89	15	41	6†	45	4.76	...	1.15	0	11	6	19	5	...	R. D Marts
Brownsville	Lewis	1,032	3	66.6	...	90	14	44	6†	40	6.60	...	2.19	0	12	10	13	7	...	George M. Myers
Bruceton Mills	Preston	1,549	6	...	...	...	...	...	...	...	4.91	+0.33	1.01	0	14	2	20	8	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	29	64.6	− 4.0	85	14	43	6	33	4.74	−0.15	1.00	0	12	15	6	9	...	H. A. Darnall
Cairo	Ritchie	680	27	66.7	− 3.8	90	14	43	6	41	6.93	+2.12	2.75	0	12	16	9	5	...	O C. Hess
Clarksburg	Harrison	1,015	4	66.0	...	91	14	43	6	38	3.44	...	0.64	0	15	9	5	16	nw.	Clarksburg Water Board
Cortland	Tucker	3,300	15	...	...	...	...	...	...	...	4.60	−0.18	1.20	0	7	8	13	9	...	G. W. Harmon
Crawford	Lewis	1,107	3	...	...	...	...	...	...	...	6.92	...	1.80	0	11	14	9	7	w.	George W. Blair
Creston	Wirt	640	24	68.4	− 2.2	91	14†	42	30	49	4.12	−0.15	1.03	0	9	18	0	12	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	5	...	...	...	...	...	...	...	4.61	...	1.25	0	17	...	...	...	s.	Lockmaster
Dam 12 O. R.	Ohio	660	10	...	...	...	...	...	...	...	2.40	...	0.45	0	14	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	10	...	...	...	...	...	...	...	4.02	...	0.83	0	14	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	5	...	...	...	...	...	...	...	3.76	...	1.04	0	17	...	...	...	...	Lockmaster
Davis	Tucker	3,093	17	...	...	...	...	...	...	...	5.04	+0.12	0.75	0	16	10	12	8	w.	Ross C. Male
Elizabeth [Dam 3 L.K.]	Wirt	615	14	...	...	...	...	...	...	...	4.53	−0.71	0.75	0	13	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	25	62.6	− 4.3	85	14	42	6	35	3.86	−1.18	1.24	0	13	6	13	11	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	1	...	...	...	...	...	...	...	4.94	...	1.58	0	13	7	10	13	...	Claude A. Cunningham
Fairmont	Marion	883	20	66.4	− 3.9	90	14	44	6†	37	3.61	−0.84	1.13	0	14	24	1	5	w.	Creed E. Bolyard
Glenville	Gilmer	738	32	69.7	− 1.1	94	30	45	9	41	4.60	+0.13	1.30	0	12	16	5	9	w.	Howard R. Brannon
Grafton (near)	Taylor	1,000	33	65.1[i]	− 4.0	93[i]	28	39[h]	20	49[n]	3.27	−1.26	...	0	13	6[d]	6[d]	14[d]	w.	Curtis Boice
Horner	Lewis	1,044	3	...	...	...	...	...	...	...	5.63	...	1.35	0	11	22	3	5	...	Thomas E. Miles
Horton	Randolph	2,840	1	...	...	...	...	...	...	...	2.64	...	0.68	0	10	6	11	13	sw.	J. W. White
Janelew (near)	Lewis	1,020	3	66.6	...	90	14†	42	6	40	5.85	...	1.70	0	9	19	3	8	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	28	63.9	− 3.9	88	14	38	6	42	4.26	+0.07	0.95	0	9	14	8	8	w.	Allen Smith
Mannington	Marion	985	23	64.7	− 3.4	87	14	43	6	37	4.19	−0.03	0.95	0	14	10	13	7	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	33	66.4	− 2.7	90	14	31	7	39	4.46	−0.08	1.42	0	8	9	13	8	s.	Prof. E. L. Andrews
Moundsville	Marshall	689	23	67.6	− 2.2	89	14	43	6	36	5.83	+2.35	1.72	0	12	6	16	8	nw.	U. S Signal Corps
New Cumberland	Hancock	671	28	65.2	− 2.7	90	29	39	4	41	3.04	−1.63	0.80	0	12	16	6	8	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	32	66.6	− 4.8	93	14	41	6	44	3.15	−0.92	0.60	0	9	19	7	4	s.	Wm. Ankrom
Parkersburg	Wood	638	39	68.5	− 2.9	89	14	45	6	33	4.85	+0.20	1.88	0	15	10	10	10	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	26	65.4	− 0.7	91	14	42	5†	41	3.25	−1.99	...	0	7	15	6	9	...	J. W. Swisher
Philippi	Barbour	1,550	29	65.0	− 3.4	86	14†	40	6	34	4.83	+0.31	1.33	0	16	8	14	8	w.	Prof W. B. Pimm
Pickens	Randolph	2,697	23	61.7[a]	− 3.4	85[a]	14†	38[a]	6	41[a]	4.14	−1.97	1.18	0	13	16	4	10	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	3	...	...	...	...	...	...	...	6.07	...	1.53	0	13	13	9	8	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	39	...	...	...	...	...	...	...	4.64	−0.38	0.90	0	16	...	...	...	...	J. F. Pierce
Saint Marys	Pleasants	577	17	...	...	...	...	...	...	...	4.74	−0.03	1.27	0	15	...	...	...	sw.	Wm. Hughes
Smithfield	Wetzel	850	20	60.9	− 7.0	95	28	42	6	48	1.02	−3.57	0.34	0	7	27	1	2	...	G. M. Whisler
Terra Alta	Preston	2,559	25	57.9	− 7.9	80	14	33	6	40	4.30	−2.68	1.06	0	18	5	12	13	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	3	67.6	...	91	14	43	6	40	4.35	...	1.20	0	9	16	4	10	w.	J. C. Campbell
Vandalia	Lewis	1,120	3	...	...	...	...	...	...	...	4.26	...	1.45	0	7	...	...	...	...	Miss Phyllis West
Wellsburg	Brooke	668	25	66.4	− 1.2	90	13†	40	6	43	2.45	−2.04	0.72	0	10	17	11	2	w.	George F. Pfister
West Milford	Harrison	979	1	...	...	...	...	...	...	...	4.69	...	1.02	0	12	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	30	67.8	− 2.5	90	14	47	5	34	6.18	+1.63	1.80	0	10	8	15	7	...	Weston State Hospital
Wheeling	Ohio	645	39	67.3	− 2.7	94	14	44	3†	41	2.37	−1.44	0.52	0	14	12	11	7	sw.	Miss M. B. Forsyth
Averages and	extremes	...	...	65.8	− 3.3	95	28	31	7	49	4.40	−0.51	2.75	0	12	13	9	8	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	...	...	...	...	...	...	...	...	2.39	...	0.78	0	11	13	6	11	w.	H. S. Sutton
Bancroft	Putnam	574	22	67.3	− 3.6	91	17	42	5	35	3.75	−0.88	1.03	0	11	21	0	9	ne.	R. E. Dent
Beckley	Raleigh	2,440	26	67.0	− 0.2	91	18	38	6	37	3.26	−1.17	1.00	0	9	8	11	11	w.	K. E. Williams
Bluefield [b]	Mercer	2 558	31	65.0	− 3.8	87	13	42	5	37	2.72	−2.06	1.10	0	9	5	18	5	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	11	...	...	...	...	...	...	...	3.44	...	1.20	0	4	26	0	4	s.	Miss Katie Jarvis
Charleston	Kanawha	600	23	68.6	− 4.5	93	14	48	6	39	3.06	−1.47	0.58	0	13	15	0	15	...	R O. Fields
Clay	Clay	706	10	...	...	...	...	...	...	...	3.87	...	0.80	0	15	...	...	...	...	Ted Thomas
Dam 6 G. K.	Kanawha	596	...	...	...	...	...	...	...	...	2.94	...	0.55	0	13	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	10	...	...	...	...	...	...	...	6.04	...	1.74	0	14	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	10	...	...	...	...	...	...	...	4.00	...	1.00	0	13	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	10	...	...	...	...	...	...	...	2.68	...	0.42	0	14	...	...	...	...	U. S. Engineer Office
Gary	McDowell	1,426	10	68.1[a]	...	91[a]	12	46[a]	6	39[b]	3.27	...	0.70	0	13	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	29	...	...	...	...	...	...	...	1.62	−2.61	0.36	0	12	7	8	15	...	Mrs J R. Baber
Huntington	Cabell	538	32	69.0	− 3.6	90	14†	45	6	34	2.76	−1.48	0.70	0	10	9	10	11	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	7	...	...	...	...	...	...	...	3.51	...	0.55	0	13	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	10	...	...	...	...	...	...	...	5.17	...	1.25	0	15	...	...	...	...	Cabin Creek Con. Coal Co
Kermit	Mingo	579	0	...	...	...	...	...	...	...	1.47	...	0.35	0	6	...	...	...	...	E. B. Kirk
Lewisburg	Greenbrier	2,250	26	65.6[f]	− 1.6	89	14†	44[f]	11†	45[f]	1.27	−2.97	0.29	0	9	15	5	10	nw.	Geo. T. Argabrite
Logan	Logan	700	23	...	...	...	...	...	...	...	2.31	−3.10	0.68	0	7	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	27	60.3	− 4.5	82	14†	40	11	38	3.10	−1.86	0.90	0	14	3	20	7	sw.	S. L. Brown
Point Pleasant	Mason	595	33	69.0	− 3.4	90	11†	45	7	40	3.41	−0.89	0 92	0	12	12	9	9	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	11	66.3	...	94	11	39	28	45	4.66	...	1.97	0	11	18	0	12	se.	Lockmaster
Robertsburg	Putnam	570	26	67.6	− 3.7	93	17	42	6	40	2.09	−1.96	0.50	0	13	17	0	13	...	M. Frazier
Ryan	Roane	700	23	65.0	− 4.1	88	14†	40	6	42	3.76	−0.71	1.81	0	8	11	8	11	...	Wm. E. Ryan
Sharples	Logan	...	6	...	...	...	...	...	...	...	4.66	...	1.12	0	9	...	...	...	...	R. W. Howard
Sissonville	Kanawha	625	...	...	...	...	...	...	...	...	3.57	...	0.93	0	9	...	...	...	...	J. N. Johnson
Sutton	Braxton	850	20	...	...	89	14†	...	...	...	4.75	−0 28	0.80	0	11	19	0	11	...	C. B. Eakle
Union [d]	Monroe	2,250	22	66.2	− 0.8	93	30	41	10†	47	1.03	−3.29	0.24	0	8	7	13	6	...	W. M. H. Young
Wayne	Wayne	598	...	...	...	...	...	...	...	...	4.59	...	1.89	0	10	...	...	...	...	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	16	66.2[a]	− 1.8	93[a]	13†	41	10	49[a]	0.90	−3.66	0.25	0	11	15	6	9	...	H. E. Green
Williamson	Mingo	673	26	...	...	...	...	...	...	...	4.19	−0.44	0.87	[illegible]	12	18	0	12	...	H. C. Mohler
Averages and	extremes	...	...	66.5	− 3.0	94	11	38	6	49	3.23	−1.80	1.97	0	11	13	7	10	w.	
State averages and	extremes	...	...	65.9	− 3.1	95	28†	31	7	49	3.85	−0.96	2.75	0	11	13	8	9	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for June, 1926

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac	.04	....	1.03	.07	1.14	.69	.09	.39	....	....	....	.11	1.23	....	1.09	.61	.03	T.	....	....	....	.26	1.31	.61	.04	.11	.14	.13	....	....	....	9.18
Brandywine	do	.10	....	....	....	.45	....	.35	....	....	....	....	.50	....	....	T.	T.	....	....	....	....	....	T.	1.55	....	.25	T.	....	....	....	....	....	3.20
Burlington	do	....	....	....	....	....	.90	T.	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	.70	.35	....	....	....	....	....	....	....	....	1.95
Harpers Ferry ‖	do	.34	T.	....	....	.35	....	....	....	....	....	....	.12	.03	....	.18	....	....	....	....	....	....	....	.21	.43	1.41	T.	....	....	....	....	....	3.07
Inwood	do	.50	.03	....	....	.53	.04	....	.01	....	....	....	.11	.03	....	.67	.02	.01	....	....	....	....	.04	....	.30	.10	.04	....	....	....	.10	....	2.53
Martinsburg‖	do	.26	.29	....	....	.35	.02	.02	.03	....	....	....	*	.10	....	.70	....	....	....	....	....	....	....	....	.45	.30	.12	.03	....	....	....	....	2.67
Moorefield	do	.28	.03	....	.50	.22	....	.34	....	....	....	....	.35	....	.24	.28	....	....	....	....	....	....	....	.43	.28	....	....	....	....	....	....	....	2.95
Piedmont	do	.11	.01	....	.25	.33	....	.01	....	....	....	....	.18	....	.19	.24	....	....	....	....	....	....	.32	.38	....	....	.29	....	....	....	....	....	2.31
Romney ‖	do	.20	....	.05	.54	....	.05	....	....	....	....	....	.48	....	.15	....	....	....	....	....	....	....	.48	....	....	.07	....	.24	....	....	....	....	2.26
Stony River Dam‖	do	.02	.47	.05	.15	.60	.05	....	.12	....	....	....	.15	.35	....	.25	.18	.04	....	....	....	....	.70	.48	....	....	.07	....	....	....	....	....	3.38
Upper Tract	do	.10	....	....	.40	....	T.	....	....	....	....	....	.10	....	.30	....	....	....	....	....	....	....	....	.40	....	....	....	....	....	....	....	....	1.30
Wardensville‖	do	....	....	....	....	.50	.44	T	....	....	.10	....	....	.35	.47	T.	T.	....	....	....	....	....	T.	.50	....	....	T	....	....	....	....	....	2.36
Northern Division																																	
Aberdeen	Monongahela	.66	....	.05	.29	.33	....	.26	....	....	....	....	1.28	....	....	.83	T.	....	.17	....	....	....	1.76	.11	....	....	.13	....	....	....	....	....	5.87
Bens Run	Ohio	.30	.04	....	.12	.26	....	.26	....	....	....	....	....	....	....	1.38	....	....	.51	....	....	....	.50	....	....	....	.30	....	....	....	....	....	3.67
Benson	Monongahela	.80	....	....	.29	.36	....	.45	....	....	....	....	1.15	....	....	.66	.02	....	.28	....	....	....	.63	....	....	....	.02	....	....	....	.07	....	4.76
Brownsville	do	.16	....	.09	.29	.30	....	.37	....	....	....	....	2.19	....	....	1.04	.02	....	.23	....	....	....	1.63	.13	....	....	.15	....	....	....	....	....	6.60
Bruceton Mills	do	.70	.08	....	.14	.38	T.	.47	....	....	....	....	.11	.09	.52	1.01	....	....	.12	....	....	....	.31	....	.16	T.	.64	....	....	....	.18	....	5.91
Buckhannon	do	.45	T.	.07	.33	.35	.12	.32	....	....	....	....	.42	....	....	.52	....	....	.08	....	....	....	1.00	.95	....	....	.13	....	....	....	T.	....	4.74
Cairo	Little Kanawha	.74	T.	.03	.18	.16	....	.65	....	....	....	....	2.75	....	.73	.39	....	.44	....	....	....	....	.52	....	....	....	.20	....	....	....	.14	....	6.93
Clarksburg ‖	Monongahela	.01	.64	.11	.02	.53	.11	.09	.16	....	....	....	.19	.22	....	.45	....	....	.24	....	....	....	.44	....	....	....	.06	.17	....	....	....	....	3.44
Cortland ‖	do	.34	.56	....	....	.50	....	....	....	....	....	....	1.00	....	....	1.20	....	....	....	....	....	....	.85	....	....	.15	....	....	....	....	....	....	4.60
Crawford	Little Kanawha	.52	....	....	.30	.28	....	.35	....	....	....	....	1.63	.03	....	.91	....	.13	....	....	....	....	1.80	.64	....	....	.33	....	....	....	....	....	6.92
Creston ‖	Monongahela	.63	.35	....	....	.44	....	.15	.12	....	....	....	....	1.03	....	.12	....	....	.67	....	....	....	.61	....	....	....	....	....	....	....	....	....	4.12
Dam 10, Mon. R.‖	Ohio	.34	.49	.05	.02	.42	.07	.15	.20	....	....	....	.07	.09	.06	1.25	....	....	.36	....	....	....	.28	.01	....	....	.17	.58	....	....	....	....	4.61
Dam 12, O. R.‖	do	.08	.03	....	....	.12	....	.24	.10	....	....	....	.09	.06	.10	.34	....	....	.39	....	....	....	.15	....	....	.10	.45	.15	....	....	....	....	2.40
Dam 13, O. R.‖	Monongahela	.21	.34	....	....	.13	.03	.27	....	....	....	....	.02	.83	.30	.38	....	....	.44	....	....	....	.27	....	....	.27	.28	.25	....	....	....	....	4.02
Dam 15, Mon. R.‖	do	.05	1.04	.12	.03	.61	.04	.12	.07	....	....	....	.04	.12	....	.30	.02	....	.36	....	....	....	.37	....	....	.26	.09	.12	....	....	....	....	3.76
Davis	do	.04	.61	.10	.01	.75	.03	.36	....	....	....	....	.07	.61	....	.40	.30	T.	T.	....	....	....	.66	.50	.38	T.	.05	.17	....	....	....	....	5.04
Elizabeth (D'm 3 L K)	Little Kanawha	.02	.37	....	.07	.58	....	.13	.18	....	....	....	.39	.50	....	.39	....	....	.49	....	....	....	.57	....	....	....	.75	....	....	....	.29	....	4.53
Elkins ***	Monongahela	.27	.04	....	.34	.19	T.	.27	....	....	....	.03	1.21	T.	.48	.13	....	T.	.01	....	T.	....	.53	.25	....	....	.11	....	....	....	....	....	3.86
Evenwood	do	.41	....	....	.42	.17	T.	.36	....	....	....	....	T.	1.58	....	.10	.57	.03	.01	....	T.	....	.41	.55	.15	....	.18	....	....	....	....	....	4.94
Fairmont ‖	do	.13	1.13	.16	.04	.46	.07	.07	.06	....	....	....	.06	.09	T.	.36	T.	....	.41	....	....	....	.44	....	....	T.	.13	T.	....	....	....	....	3.61
Glenville ‖	Little Kanawha	....	.36	....	.10	.36	.11	.22	.28	....	....	....	.52	.54	....	.28	T.	....	.53	....	....	....	1.10	.20	....	....	T.	....	....	....	....	....	4.60
Grafton (near) ‖	Monongahela	.65	.07	*	.85	*	*	.25	....	....	....	....	.08	....	.30	....	....	.22	....	....	....	.62	....	....	.06	....	.17	....	....	....	....	....	3.27
Horner	do	....	....	.10	.32	.37	....	.35	....	....	....	....	1.35	....	....	1.17	.05	....	.17	....	....	....	1.34	.19	....	....	.22	....	....	....	....	....	5.63
orton	do	.25	....	....	.49	.14	....	.29	....	....	....	....	.68	....	.05	.08	....	....	....	....	....	....	.05	.53	.08	....	....	....	....	....	....	....	2.64
nelew(near)	do	.90	....	....	.35	.40	....	.25	....	....	....	....	1.10	....	....	.85	....	....	.25	....	....	....	1.70	....	....	....	.05	....	....	....	....	....	5.85
ost Creek	do	.46	....	T.	.41	.48	....	.47	....	....	....	....	.95	....	....	.54	....	....	.20	....	....	....	.71	T.	....	....	T.	....	....	....	.04	....	4.26
annington	do	.74	.05	.02	.18	.38	....	.24	....	....	....	....	.16	....	.07	.95	.11	....	.35	....	....	....	.36	....	....	.47	.11	....	....	....	....	....	4.19
organtown	do	.70	T.	....	.22	.35	....	.35	....	....	....	....	T.	....	....	1.42	T.	....	.32	....	....	....	.30	....	....	T.	.80	T.	....	....	....	....	4.46
oundsville‖	Ohio	.34	....	T.	T.	.18	....	.25	....	....	....	....	.03	1.72	.25	.36	....	....	.86	....	....	....	.43	....	....	.66	.13	.17	....	....	....	....	5.38
ew Cumberland‖	do	.07	.34	....	....	....	....	.26	.03	....	....	....	.05	T.	.40	.80	....	....	.03	....	....	....	.27	....	T.	.09	.34	.36	....	....	....	....	3.04
ew Martinsville	do	.30	....	....	.15	.25	....	.30	....	....	....	....	.05	....	....	.60	....	....	.55	....	....	....	.40	....	....	....	.55	....	....	....	....	....	3.15
arkersburg ***	do	.22	T.	....	.09	.18	.15	.09	....	....	....	.02	1.86	T.	1.01	.10	....	.46	....	....	....	.29	.29	....	T.	.01	.01	....	....	....	.07	....	4.85
arsons	Monongahela	*	1.00	....	....	....	....	....	....	....	.45	....	.30	....	*	....	....	....	....	....	....	....	1.20	.30	....	....	....	....	....	....	T.	....	3.25
hilippi	do	.35	.03	.03	.38	.35	.01	.36	....	....	....	....	.77	T	.01	.65	.02	....	.05	T.	....	....	1.33	.19	T.	.01	.29	....	T.	....	....	....	4.83
ckens	do	.45	....	....	.48	.20	....	.43	.05	....	....	....	1.18	....	.15	.46	.05	....	....	....	....	....	.31	.21	.06	....	.11	....	....	....	....	....	4.14
anoke	do	.47	....	.03	.30	.39	....	.45	.01	....	....	....	1.53	.01	....	.90	....	....	.20	....	....	....	1.40	.15	....	....	.23	....	....	....	....	....	6.07
wlesburg ‖	do	.30	.65	.12	.03	.64	.02	.15	.19	....	....	....	.04	.66	....	.20	.19	....	.04	....	....	....	.90	.10	....	....	....	.41	....	....	T.	....	4.64
int Marys ‖	Ohio	.09	.42	.30	.03	.26	.04	.17	.12	....	....	....	.20	.50	....	1.27	T.	....	.52	....	....	....	.43	....	....	....	.27	....	....	....	.12	....	4.74
ithfield ‖	Fishing Creek	....	.11	.05	....	.06	....	.05	....	....	....	....	....	.15	.34	....	....	....	.26	....	....	....	....	....	....	....	....	....	....	....	....	....	1.02
rra Alta	Monongahela	.76	.08	.08	.28	.48	.01	.28	....	....	....	....	.23	.14	.05	.50	.01	....	.02	....	....	....	1.06	.08	T.	.01	.13	.10	....	....	....	....	4.30
lley Chapel	do	.68	....	....	.28	.34	....	.32	....	....	....	....	1.20	....	....	.17	.01	....	.37	....	....	....	.98	....	....	....	....	....	....	....	....	....	4.35
ndalia	do	.61	....	....	.49	....	....	.43	....	....	....	....	....	....	....	.66	....	....	....	....	....	....	1.45	.37	....	....	.25	....	....	....	....	....	4.26
llsburg	Ohio	.14	.06	....	....	.04	....	.29	....	....	....	....	.08	....	.49	.45	....	....	....	....	....	....	.14	....	....	.04	.72	....	....	....	T.	....	2.45
st Milford	Monongahela	.85	....	.05	.30	.40	....	.35	....	....	....	....	1.02	....	....	.45	....	....	.30	....	....	....	.65	....	....	....	.02	.28	....	....	.02	....	4.69
ston	do	.40	....	.15	.45	.40	....	.35	....	....	....	....	1.80	....	.45	....	....	....	.40	....	....	....	1.60	.18	....	....	....	....	....	....	....	....	6.18
eeling ‖	Ohio	.10	.03	....	....	.12	T.	.25	.03	....	....	....	.05	.06	.10	.34	....	....	.49	....	....	....	.13	....	....	.15	.12	.40	....	....	....	....	2.37
uthern Division																																	
ovale	Great Kanawha	.33	....	....	.27	.08	....	.23	....	....	....	....	.31	....	.07	.02	....	....	....	.01	....	....	.27	.78	....	....	.02	....	....	....	....	....	2.39
ecroft ‖	do	.38	1.03	....	.27	.28	....	.10	.05	....	....	....	....	.48	.32	.17	....	....	.34	....	....	....	.33	....	....	....	....	....	....	....	....	....	3.75
kley	do	.20	....	....	.20	.10	....	.55	....	....	....	....	.50	....	....	.45	....	....	1.00	.03	....	....	....	....	.23	....	....	....	....	....	....	....	3.26
efield	do	1.10	....	....	.11	.19	....	.07	....	....	....	....	....	.27	.33	....	....	.13	....	....	.24	....	....	....	....	.28	....	....	....	....	....	....	2.72
aden-on-Gauley‖	do	.80	....	....	.44	1.00	....	....	....	....	....	1.20	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3.44
rleston ‖	do	.35	.35	....	.14	.40	....	.18	.08	....	....	....	....	.08	....	.18	....	....	.58	....	....	....	.26	.30	.04	....	.12	....	....	....	....	....	3.06
‖	do	.13	.63	....	.12	.44	....	.15	.08	....	....	....	.01	.10	.06	.80	....	....	.37	....	....	....	.27	.50	.13	.08	....	....	....	....	....	....	3.87
6 G. K. ‖	do	.40	....	....	.31	.31	.11	.06	....	*	....	....	....	....	.22	....	.15	....	.55	....	....	....	.18	.37	.11	....	.17	....	....	....	....	....	2.94
19 O. R. ‖	Ohio	.04	.18	T.	T.	.18	.04	.22	.03	....	....	....	1.44	.76	T.	1.74	.02	....	.55	....	....	....	.76	....	....	T.	.02	....	....	....	.06	....	6.04
20 O. R. ‖	do	.02	.15	....	T.	.23	T.	.22	.10	....	....	....	.48	.68	.02	1.00	....	....	.48	....	....	....	.37	....	....	....	.03	....	....	....	.22	....	4.00
26 O. R. ‖	do	.06	.40	....	.07	.40	....	.20	....	....	....	....	.08	.42	.07	.07	....	....	.25	....	....	....	.23	....	.05	.20	.18	....	....	....	....	....	2.68
‖	Big Sandy	.60	.09	....	.04	.23	....	.10	....	....	....	....	....	.63	....	.48	.02	....	.70	....	.06	....	.01	.29	T.	....	....	.02	....	....	....	....	3.27
on ‖	do	.25	.03	....	....	.22	.04	.03	.10	....	....	....	....	.17	....	.22	....	....	.36	....	.11	....	....	.06	....	....	....	.03	....	....	....	....	1.62
tington ‖	Ohio	.24	.28	....	.20	.42	....	.20	....	....	....	....	....	....	....	.44	....	....	.70	....	....	....	.22	.04	....	....	.02	....	....	....	....	....	2.76
awha Falls‖	Great Kanawha	.30	.30	....	.20	.20	.15	.19	.42	....	....	....	....	.11	....	.35	....	....	.55	....	....	....	.30	.37	.07	....	....	....	....	....	....	....	3.51
ford‖	do	1.07	.11	....	.09	.29	.10	.15	.10	....	....	....	....	.70	.03	.50	....	....	.63	....	.02	....	.06	1.25	.07	....	....	....	....	....	....	....	5.17
nit ‖	Big Sandy	.13	....	....	.35	....	.18	....	....	....	....	....	.35	....	.28	....	....	....	....	....	....	....	.18	....	....	....	....	....	....	....	....	....	1.47
sburg	Great Kanawha	.18	....	....	.16	.12	....	.04	....	....	....	....	.10	T.	....	.18	....	....	.14	....	.29	....	.06	....	....	....	....	....	....	....	....	....	1.27
n ‖	Guyandotte	....	.10	....	.13	.23	....	.12	....	....	....	....	....	.45	....	.65	....	....	.60	....	....	....	T	....	....	....	....	....	....	....	....	....	2.31
inton	Great Kanawha	.28	....	....	.28	.12	....	.28	....	....	....	....	.36	.04	.16	.36	T.	T.	....	.04	.08	....	.08	.90	T.	.06	.06	....	....	....	....	....	3.10
n Cave	do	....	....	....	.10	.15	....	.15	....	....	....	....	....	.25	....	....	....	....	.20	....	.17	....	....	....	....	....	....	....	....	....	....	....	1.02
t Pleasant ‖	Ohio	.08	.16	....	.04	.38	....	.22	.13	....	....	....	.05	.92	....	.22	....	....	.42	....	....	....	.69	....	....	....	.10	....	....	....	T.	....	3.41
nswood (Dam 22	do	.02	.20	....	.03	.30	....	.13	.13	....	....	....	....	1.97	....	.16	....	....	.67	....	....	....	.70	....	....	....	.35	....	....	....	....	....	4.66
rtsburg ‖	Great Kanawha	.06	.50	....	.14	.29	.10	.07	.03	....	....	....	....	.25	.03	.13	....	....	.42	....	....	....	....	.06	....	....	.01	....	....	....	....	....	2.09
	do	.17	....	....	....	.15	....	....	....	....	....	....	1.81	.43	.03	....	....	....	.36	....	....	....	.70	....	....	....	.08	....	....	....	....	....	3.76
oles‖	Coal River	1.12	.13	....	.23	.22	....	T.	T.	....	....	....	....	.75	....	.98	....	....	.55	....	T.	....	.10	.58	....	....	....	T.	....	....	....	....	4.66
iville ‖	Great Kanawha	*	.93	....	*	.61	....	....	.49	....	....	....	....	....	....	....	....	*	.83	....	....	....	*	.71	....	....	....	....	....	....	....	....	3.57
er ‖	do	.05	....	....	.38	.50	.05	.16	.06	....	....	....	.16	1.10	....	.10	....	....	.37	....	T.	....	.21	.04	....	....	T.	.09	....	....	....	....	3.27
n	do	.52	....	....	.38	.18	.41	....	....	....	....	....	.65	.22	....	.48	....	....	.22	....	....	....	.80	.77	....	....	.12	....	....	....	....	....	4.75
	do	.10	....	....	.07	.11	....	.08	....	....	....	....	....	....	.22	.16	....	....	....	....	....	.24	T	.05	....	....	T.	....	....	....	....	....	1.03
e‖	Big Sandy	1.89	.40	....	.22	.42	....	.29	....	....	....	....	....	.46	....	.15	....	....	.39	....	....	....	.12	.25	....	....	....	....	....	....	....	....	4.59
Sulpr. Spgs.‖	Great Kanawha	.06	....	....	.20	.03	.03	.05	....	....	....	....	....	.04	.07	.08	....	.02	....	.25	....	....	....	....	....	.07	....	....	....	....	....	....	0.90
mson ‖	Big Sandy	.87	.21	....	.14	.32	....	.13	.07	....	....	....	....	.81	....	.44	....	....	.60	....	....	....	.20	.14	.26	....	....	....	....	....	....	....	4.19

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for June, 1926

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	75	76	72	65	49	72	71	73	72	75	79	79	81	86	84	64	71	78	77	80	82	77	73	76	75	77	75	80	86	84	....	75.5
	Minimum	63	53	47	45	40	34	47	45	42	43	36	55	65	55	58	57	51	56	57	51	40	57	54	45	40	57	44	35	42	53	....	48.9
Brandywine	Maximum	86	80	75	65	50	64	62	75	75	76	85	87	86	88	87	70	65	85	80	75	78	75	72	75	76	80	75	84	86	88	....	76.8
	Minimum	55	52	50	50	46	46	49	49	44	46	40	57	60	58	60	57	55	52	45	44	50	57	56	50	48	52	50	46	48	52	....	50.8
Burlington	Maximum	90	88	79	72	80	81	80	82	84	86	90	89	90	94	92	90	81	80	79	80	86	86	78	80	82	86	89	90	95	92	....	85.0
	Minimum	66	58	40	41	44	51	60	44	46	50	41	65	60	65	66	65	60	60	51	40	39	40	59	60	65	70	60	69	70	55	....	55.1
Inwood	Maximum	85	82	84	69	53	60	68	72	82	81	81	86	79	90	91	79	66	66	87	74	75	81	78	75	79	83	86	82	84	92	....	78.1
	Minimum	64	59	56	50	46	50	53	48	51	54	47	62	66	64	65	58	51	51	60	45	47	65	58	58	48	49	42	41	43	50	....	53.4
Martinsburg§	Maximum	89	86	78	56	60	69	75	83	83	87	92	81	91	94	82	71	70	90	77	78	82	80	76	81	83	88	78	85	95	....	....	80.7
	Minimum	68	63	56	49	48	50	50	49	50	45	55	60	64	63	66	59	49	55	59	45	46	62	62	58	48	52	54	50	51	62	....	54.9
Moorfield	Maximum	89	85	83	75	54	73	74	83	82	83	90	88	91	94	84	72	71	90	88	75	84	83	80	82	84	87	86	85	94	94	....	82.8
	Minimum	59	60	58	48	46	49	54	50	47	53	44	60	63	61	65	59	57	58	54	41	48	66	52	58	52	58	53	48	51	56	....	54.4
Piedmont	Maximum	80	81	69	62	54	69	72	79	78	79	85	81	85	91	73	65	67	83	74	76	83	76	76	80	82	82	76	83	88	85	....	77.1
	Minimum	64	51	49	48	44	46	51	45	47	48	44	59	65	62	61	55	54	56	55	44	58	61	58	52	48	56	51	47	50	63	....	53.1
Romney	Maximum	78	85	73	53	67	72	74	82	81	83	90	85	88	92	....	78	89	88	72	78	85	74	....	81	84	86	77	88	96	....	....	80.7
	Minimum	64	57	55	50	45	47	52	48	49	48	44	59	66	60	65	....	54	56	53	39	47	64	59	....	49	56	51	45	50	60	....	53.3
Upper Tract	Maximum	78	80	....	65	68	73	73	73	74	74	73	70	80	82	81	79	70	70	69	69	58	71	78	78	77	....	72	82	85	84	....	74.9
	Minimum	48	50	....	48	44	44	44	45	45	46	43	42	64	59	56	56	56	54	52	44	43	44	48	49	49	....	49	44	50	51	....	48.8
Wardensville§	Maximum	85	82	76	69	62	72	74	81	82	85	84	86	88	85	67	64	....	....	....	80	85	79	....	80	84	80	80	89	91	....	....	79.6
	Minimum	....	49	52	48	45	44	41	42	49	52	49	51	49	57	60	54	52	....	....	....	39	40	40	....	40	45	40	40	42	51	....	46.8
Northern Division																																	
Bens Run	Maximum	78	80	68	64	65	74	72	83	88	84	86	81	87	91	83	76	89	83	72	83	87	80	82	83	83	81	77	84	89	88	....	80.7
	Minimum	60	60	50	49	49	44	55	50	51	52	51	61	68	66	61	57	57	65	55	51	56	60	57	54	56	60	53	54	53	65	....	56.0
Buckhannon	Maximum	75	77	67	63	53	69	62	77	75	76	80	80	80	85	78	70	83	82	70	75	81	72	75	76	77	77	71	71	80	79	....	74.5
	Minimum	65	55	53	52	47	43	52	55	48	50	47	61	67	63	52	62	53	65	59	52	51	58	54	50	53	60	52	47	53	57	....	51.7
Cairo	Maximum	76	74	70	63	63	73	71	76	80	81	83	81	86	90	69	76	88	82	74	80	87	76	80	81	82	80	77	84	88	87	....	78.6
	Minimum	67	67	48	51	50	43	50	45	53	53	54	65	66	61	60	57	61	66	54	48	50	60	56	50	52	60	46	47	47	58	....	54.8
Clarksburg §	Maximum	75	79	67	55	56	73	71	78	77	79	84	82	86	91	68	73	89	80	70	81	87	69	79	80	81	81	76	85	87	85	....	77.5
	Minimum	66	55	52	50	47	43	49	52	47	49	47	60	66	62	65	57	54	64	60	50	51	63	57	51	50	60	49	48	49	58	....	54.4
Creston	Maximum	82	86	84	70	65	75	75	82	83	82	88	88	88	91	87	79	91	86	85	80	82	80	84	85	87	86	81	88	86	91	....	83.2
	Minimum	67	51	50	52	51	44	51	52	46	50	48	61	64	60	61	56	60	69	58	52	54	52	46	50	54	60	48	46	50	42	....	53.5
Elkins	Maximum	71	76	65	56	51	71	63	74	72	74	78	80	80	85	69	67	84	77	71	72	80	68	72	75	75	77	70	78	84	79	....	73.1
	Minimum	59	55	52	50	47	42	50	53	47	47	43	58	65	60	54	54	56	56	50	46	53	56	55	53	50	56	51	45	49	53	....	52.2
Fairmont§	Maximum	74	80	68	57	57	70	72	79	78	82	85	76	84	90	69	72	88	83	71	83	85	72	82	80	78	79	79	86	88	83	....	77.7
	Minimum	64	54	49	49	45	41	41	50	50	52	50	57	65	66	64	57	56	64	58	49	54	62	57	59	53	61	53	49	52	60	....	55.2
Glenville	Maximum	80	85	81	72	62	77	74	82	84	88	89	83	90	93	91	82	92	90	82	90	88	86	81	87	86	82	81	90	91	94	....	84.4
	Minimum	66	50	53	53	50	46	53	54	45	51	48	60	61	63	60	57	54	65	59	54	51	59	59	54	55	60	49	50	51	56	....	55.0
Grafton (near)§	Maximum	80	....	....	....	....	76	80	81	....	85	84	....	90	69	75	90	82	....	80	86	79	82	81	....	82	65	78	93	77	....	....	80.7
	Minimum	46	46	....	....	....	....	42	41	45	....	40	66	....	58	55	49	61	54	....	39	60	54	49	45	....	46	44	44	51	53	....	49.5
Lost Creek	Maximum	73	78	69	60	54	70	65	77	77	79	83	78	84	88	83	73	87	80	78	80	84	78	77	79	78	79	77	83	86	83	....	77.3
	Minimum	63	52	49	48	44	38	48	54	43	44	41	58	64	60	57	54	49	61	54	44	46	59	52	47	47	56	43	41	45	55	....	50.5
Mannington	Maximum	75	78	66	63	57	71	69	77	76	79	81	76	84	87	81	72	85	82	75	78	82	81	78	79	77	78	73	79	83	81	....	76.8
	Minimum	64	51	46	49	47	43	53	45	45	48	45	58	66	62	60	57	52	61	56	44	50	61	55	50	50	58	48	46	46	58	....	52.6
Morgantown	Maximum	76	80	68	60	58	72	70	79	77	79	84	78	84	90	86	72	88	81	78	79	85	82	82	81	80	79	76	83	86	84	....	78.6
	Minimum	64	58	47	48	44	41	31	54	53	51	50	64	66	63	58	55	56	64	56	47	56	58	57	54	55	60	50	48	52	66	....	51.2
New Cumberland§	Maximum	76	81	64	68	73	62	73	79	77	79	83	86	89	88	64	76	86	79	75	79	89	79	81	80	81	80	75	76	90	85	....	78.4
	Minimum	65	53	45	39	47	46	47	56	47	48	48	57	62	67	62	50	53	57	53	45	48	52	49	48	50	59	48	46	51	65	....	52.1
New Martinsville	Maximum	80	80	73	65	66	77	74	81	82	82	87	80	90	93	69	78	92	87	77	87	88	85	83	85	83	82	78	87	90	90	....	81.7
	Minimum	62	53	43	48	46	41	50	44	44	46	45	57	64	63	58	55	51	62	55	47	50	59	52	45	49	57	48	48	46	60	....	51.6
Parkersburg	Maximum	76	82	67	60	64	74	74	80	80	81	83	81	86	89	70	72	88	82	70	79	85	78	81	82	80	82	74	84	88	87	....	78.6
	Minimum	66	63	53	52	51	45	54	62	53	53	54	65	68	66	59	59	61	66	59	55	59	61	59	56	62	62	56	52	55	66	....	58.4
Parsons	Maximum	79	79	70	54	55	78	75	79	76	78	80	83	86	91	78	77	80	85	78	75	88	70	75	79	83	85	90	85	90	89	....	79.0
	Minimum	45	49	53	50	42	42	46	45	46	49	56	43	59	65	58	58	55	55	54	46	54	58	57	54	49	48	49	52	60	55	....	51.7
Philippi	Maximum	72	77	68	59	52	71	65	76	71	77	80	80	82	86	79	72	86	83	73	79	82	75	75	76	77	75	78	81	82	83	....	75.
	Minimum	64	55	51	49	44	40	48	52	54	51	50	62	65	65	57	54	58	64	57	47	57	60	55	53	56	50	53	47	50	54	....	54.1
Pickens	Maximum	68	82	78	58	53	70	62	75	75	74	81	79	80	85	70	67	85	79	72	....	83	66	71	76	77	77	81	84	85	80	....	74.
	Minimum	54	45	45	45	45	38	43	46	42	44	41	55	59	57	52	49	50	50	45	....	57	55	54	48	45	52	40	48	51	51	....	48.
Terra Alta	Maximum	67	70	59	54	46	64	63	69	63	70	72	73	75	80	75	59	64	70	70	65	77	73	68	71	73	69	66	75	78	75	....	68.
	Minimum	58	54	43	42	38	33	46	50	48	42	38	45	62	61	52	50	49	57	47	37	45	55	51	44	41	50	41	35	43	60	....	47.
Wellsburg	Maximum	77	80	75	64	68	73	70	79	81	84	85	85	90	90	78	76	88	86	75	84	85	81	81	84	81	79	76	85	89	88	....	80.
	Minimum	66	56	45	41	45	40	49	49	44	45	48	58	61	65	58	53	54	67	51	41	51	60	48	65	48	57	46	43	47	63	....	52.
Weston	Maximum	78	80	79	70	60	68	69	79	80	82	80	81	82	90	85	72	85	82	78	79	84	74	82	75	73	81	85	76	82	85	....	78.
	Minimum	66	56	54	50	47	54	51	59	60	60	49	56	70	64	60	58	54	65	60	62	50	65	58	54	52	60	51	48	52	60	....	56.
Wheeling§	Maximum	79	82	69	67	69	75	75	83	81	84	87	88	90	94	68	77	89	86	77	86	86	84	85	87	84	84	81	87	91	90	....	82.
	Minimum	64	59	44	44	48	44	47	51	46	47	47	60	62	66	65	54	55	64	55	49	51	60	52	50	51	59	46	47	50	64	....	53.
Southern Division																																	
Bluefield	Maximum	78	79	78	77	79	....	74	79	78	80	81	85	87	85	82	86	83	81	80	79	77	74	79	80	81	79	....	80	83	86	....	80.
	Minimum	46	45	46	44	42	....	44	47	46	49	52	53	54	52	53	54	53	55	54	49	50	52	51	50	48	46	....	48	54	54	....	49.
Charleston	Maximum	78	82	74	59	66	76	76	82	82	84	90	89	86	93	70	78	92	85	76	77	87	66	82	82	83	84	80	86	90	89	....	80.
	Minimum	65	52	53	54	52	48	52	52	50	51	51	53	62	64	68	60	67	65	60	57	57	61	60	57	57	59	53	53	53	58	....	56.
Gary §	Maximum	80	80	79	64	60	74	79	83	81	80	88	91	82	90	79	83	87	80	83	78	84	75	74	78	82	....	77	83	85	87	....	80.
	Minimum	61	51	54	58	54	46	53	51	54	49	49	54	64	62	64	56	58	64	60	57	51	61	63	55	55	60	....	53	52	56	....	56.
Huntington §	Maximum	78	82	72	60	70	79	73	86	85	82	86	88	86	90	70	70	90	82	72	76	86	65	78	80	81	82	75	81	86	85	....	79.
	Minimum	65	57	58	55	52	45	55	58	51	53	54	64	66	68	68	60	58	65	64	60	58	64	60	56	60	64	56	53	55	62	....	58.
Lewisburg	Maximum	[illegible]	76	78	71	61	70	71	77	77	76	82	86	82	89	80	69	76	80	74	67	77	72	76	76	80	79	74	81	86	89	....	76.
	Minimum	59	60	65	56	....	....	....	....	....	....	44	54	62	57	62	54	56	58	52	54	56	59	59	49	47	58	51	44	46	44	....	54.
Marlinton	Maximum	70	72	70	54	52	66	68	72	72	74	78	80	78	82	70	68	68	78	68	62	70	70	74	72	74	74	70	78	80	82	....	71.
	Minimum	56	42	54	48	44	42	46	42	44	42	40	56	56	58	58	54	52	51	50	50	50	54	54	46	44	50	48	44	44	50	....	49.
Point Pleasant	Maximum	80	85	80	79	72	70	84	82	82	85	90	85	88	90	90	90	90	90	80	80	87	83	80	80	80	80	80	84	90	85	....	83.
	Minimum	65	54	50	52	50	50	45	52	50	50	50	65	65	64	61	58	55	58	62	51	50	60	56	55	55	60	49	48	50	49	....	54.
Ravenswood	Maximum	77	84	82	64	66	73	75	81	82	82	94	84	85	88	86	73	88	89	83	79	90	85	80	81	83	81	79	82	87	88	....	81.
	Minimum	67	53	52	53	51	43	54	51	48	49	51	63	56	57	52	49	48	57	57	43	49	51	48	53	48	51	40	39	42	51	....	50.
Robertsburg§	Maximum	76	81	72	58	60	76	75	82	82	82	89	86	83	92	80	75	93	82	75	81	80	88	82	84	85	83	76	86	90	90	....	80.
	Minimum	63	51	53	53	51	42	44	51	47	47	50	62	60	62	66	58	53	64	60	53	53	57	60	52	55	59	48	48	50	60	....	54.
Ryan	Maximum	75	80	70	60	62	73	71	81	81	80	85	56	82	88	73	72	88	82	70	76	85	74	77	80	78	80	76	82	88	86	....	78.
	Minimum	60	45	55	51	50	40	49	46	42	44	43	59	57	57	60	56	53	60	58	55	50	58	55	51	51	60	45	44	47	55	....	51.
Spencer §	Maximum	81	81	69	55	62	58	72	81	75	81	83	85	80	82	68	70	87	81	71	77	67	64	77	80	78	81	74	81	82	84	....	75.
	Minimum	66	55	54	53	49	43	48	54	48	50	49	54	65	62	67	58	53	64	60	55	55	62	58	57	55	61	49	48	50	57	....	55.
Sutton	Maximum	76	81	81	80	70	65	57	80	80	85	86	86	87	89	89	84	84	84	84	78	86	86	78	81	83	84	84	84	84	86	....	81.
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Union	Maximum	76	82	83	80	56	....	75	85	84	83	88	92	....	92	89	77	78	85	85	....	79	76	81	82	86	82	....	84	91	93	....	82.
	Minimum	55	42	57	51	48	....	45	46	50	41	41	51	....	54	60	53	54	57	50	....	50	57	54	45	44	57	....	41	44	50	....	49.
White Sulphur Spgs§	Maximum	82	82	61	56	76	75	86	84	85	88	90	87	93	80	70	77	87	77	65	78	73	83	83	87	85	76	85	93	93	....	....	80.
	Minimum	46	60	53	50	49	50	46	46	42	41	52	60	55	62	57	56	57	49	54	54	55	58	52	47	57	50	43	44	50	54	....	51.
Williamson §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[WBO, Cleveland, 7-28-26—530]

OCT 5 1926
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIV Parkersburg, W. Va., July, 1926 No. 7

GENERAL SUMMARY

Considering temperature and rainfall, the past month was nearly a typical July. The month, however, was characterized by heavy hail, high winds, and excessive rainfall in portions of the northern counties. The conditions were generally exceptionally favorable for growth, although the yields of wheat, oats and hay were generally below the normal, owing to the dry and cool weather during May and June. Corn on bottom lands was in good condition at the close of the month, and a good yield of potatoes was being secured. The fruit outlook was generally good.

TEMPERATURE

The monthly mean for the State, determined from 49 stations, was 72.6°. The departure from the normal for 39 stations having ten or more years of record was —0.2°. The temperature was somewhat above the normal until the 11th, generally much above from the 19th to the 24th, and slightly above during the last three days, with the highest readings on the 21st and 22d. Cool weather prevailed from the 11th to the 18th and the temperature was slightly below the normal from the 24th to the 28th, with the lowest readings on the 12th and 16th.

PRECIPITATION

The average precipitation for the State, determined from 82 stations, was 4.45 inches. The departure from the normal for 50 stations having ten or more years of record was +0.05 inch. The rainfall was heaviest over the west-central and central counties and lightest over the extreme northwestern counties. Most of the rainfall was received on the 3d-7th, 10-11th, 13-14th, 18-19th, 23d-24th, 27-28th, and 31st, the greatest amounts being measured on the 5-6th, 14th and 23d.

LIGHT HAIL

Light hail fell in sections of the following counties as given below: Lewis and Ranlolph. 10th: Monongalia, 18th; Grant, Lewis, Tucker, and Webster, 23d.

MODERATE HAIL

Moderate hail fell in the southeastern portion of Morgan County about 2 p.m. of the 3d. The storm apparently covered a territory about one and one-half miles in width r three or four miles, causing considerable damage to crops. During Saturday afteron. attending a heavy rain, moderately heavy hail fell in the Piedmont district of ineral County. Many of the stones were as large as walnuts. Some damage resulted crops.

HEAVY HAIL

On July 18, from 5;30 to 6 p.m., a destructive hail storm occurred in the northern rtion of Preston County. The storm moved from west to east for about three miles, ith width about three-fourths of a mile, and passed directly over Bruceton Mills, causing eat damage to crops, roofs and windows. The stones ranged in diameter from onelf an inch to three inches. In Bruceton Mills 800 window panes were broken, practilly all on the west side of buildings, composition roofs were destroyed, and metal ofs were damaged. Crops were destroyed in the path of the storm. Estimated loss out $200,000.

On July 23, about 3:30 p.m., a destructive hail strom formed about two miles northst of Romney, Hampshire County, and moved east-southeast about three miles, coverg a territory from one to two miles in width. The stones ranged in size from hickory ts to goose eggs. Estimated damage to crops, windows and roofs, $75,000.

HEAVY RAIN

Heavy to excessive rain was recorded as follows: Dam 19 O. R., 4th; Arbovale, rpers Ferry, Parsons and Ryan, 5th; Sutton and Vandalia, 6th; Parkersburg, 5th and h; Piedmont, 24th.

HIGH WIND

During the late afternoon of the 18th, attending a thunderstorm, unusually high wind prevailed in the Parkersburg district for about 15 minutes. Many fruit and shade trees were blown down or damaged, several awnings and signs were destroyed, and considerable damage resulted to telephone and telegraph wires. At Parkersburg at 4:53 p.m., the wind velocity, based on a five-minute interval, was 67 miles per hour, and on a one minute interval 80 miles per hour, the highest of record for the city. It was a straight blow from the northwest.

MISCELLANEOUS PHENOMENA

Frost, light: Bayard, 12th, 15th, and 16th; Davis, 12th and 16th.
Halos, lunar: Wheeling, 16th, 20th, and 21st.
Thunderstorms (dates and number of stations reporting): 1st, 1; 3d, 5; 4th, 10; 5th, 13; 6th, 19; 7th, 4; 9th, 3; 10th, 19; 11th, 3; 12th, 3; 13th, 5; 14th, 1; 17th, 2; 18th, 10; 19th, 3; 22d, 4; 23d, 18; 24th, 9; 25th, 2; 28th, 1; 29th, 2; 30th, 1; 31st, 10.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	29 98	75	56	63	309.2	68	4,205	5.7	44	sw.	10
Columbus, Ohio	29.99	70	48	58	301.4	66	6,302	8.5	46	nw.	18
Elkins	30.00	88	58	75	251.6	56	2,933	3.9	32	w.	18
Lexington, Ky	29.99	76	57	....	291.9	65	8,138	10.9	52	ne.	17
Parkersburg	30.01	76	57	67	284.7	63	3,216	4.3	67	nw	18
Pittsburgh, Pa	29.98	68	54	58	268.4	60	7,162	9.6	34	sw.	10
Wytheville, Va	29.98	81	54	67	282.0	63	3,476	4.7	19	w.	9

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	67.5	......	......	5.59	......	......	......	......	......	......
1892	73.4	98	41	4.20	......	......	......	......	......	......
1893	73.8	98	42	2.96	5.95	1.37	......	20	10	1
1894	73.3	100	36	2.21	4.84	0.50	......	10	19	2
1895	70.5	99	39	4.35	7.04	1.65	......	11	13	7
1896	73.3	97	46	9.07	15.70	2.91	......	9	12	10
1897	71.2	102	46	5.43	9.92	2.85	......	11	12	8
1898	75.0	103	40	4.46	8.33	1.53	......	12	7	12
1899	73.3	100	33	3.78	7.92	0.20	......	14	10	7
1900	74.7	104	41	4.38	7.88	1.72	......	15	11	5
1901	77.4	104	47	3.16	6.21	0.69	......	14	12	5
1902	74.2	104	45	3.54	8.42	0.96	......	14	12	5
1903	72.5	100	37	3.74	8.30	1.82	......	16	10	5
1904	71.5	97	42	3.28	6.00	1.04	......	14	12	5
1905	73.3	98	43	5.92	10.64	3.00	......	12	11	8
1906	72.4	98	45	4.54	7.40	1.50	......	12	11	8
1907	72.7	98	42	6.66	13.36	1.99	......	12	14	5
1908	74.0	100	41	5.21	9.43	2.08	......	14	13	4
1909	70.2	96	36	4.17	10.50	0.60	......	14	11	6
1910	73.8	98	41	4.92	13.16	0.54	......	13	12	6
1911	73.3	106	40	2.82	6.94	0.40	......	16	12	3
1912	72.0	100	45	7.48	15.22	2.67	......	12	12	7
1913	74.2	103	40	5.80	10.07	2.14	......	15	12	4
1914	73.1	106	38	4.11	7.74	0.98	......	16	10	5
1915	71.9	99	38	4.63	11.31	1.82	......	12	11	8
1916	74.8	102	42	3.49	9.47	1.06	......	16	8	7
1917	72.6	104	44	4.83	8.27	1.25	......	14	10	7
1918	70.3	101	38	3.18	6.90	1.04	......	17	7	7
1919	74.3	104	41	5.51	13.08	1.96	......	18	7	6
1920	70.1	99	40	4.84	8.94	2.34	......	16	8	7
1921	75.6	101	44	3.58	8.90	1.08	......	16	10	5
1922	72.9	99	43	4.53	8.05	1.33	......	15	8	8
1923	71.7	100	37	4.70	9.46	2.22	......	16	8	7
1924	70.0	99	36	4.49	7.63	1.65	......	16	9	6
1925	72.2	102	31	5.05	7.84	1.08	......	13	11	7
1926	72.6	107	37	4.45	8.07	0.83	......	15	8	8
Means and extremes	72.8	107	31	4.58	15.70	0.20	......	14	11	6

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., July, 1926

See temperature and precipitation data in Climatological Tables, Pages 26, 27, and 28

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
arksburg	Evaporation	.160	.235	.185	.161	.034	.081	.065	.223	.243	.250	.222	.158	.223	.110	.129	.131
	Wind movement	38	29	23	24	16	31	31	30	20	61	71	46	44	46	34	30

Station		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
arksburg	Evaporation	.190	.215	.255	.185	.265	.295	.275	.165	.169	.222	.179	.156	.110	.166	.254	5.711
	Wind movement	29	25	47	23	33	29	50	52	40	33	44	28	21	29	31	1,088

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for July, 1926

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	25	67.8	+ 0.2	95	22	37	12†	43	5.76	+0.82	1.51	0	12	16	7	8	sw.	U. G. Clark
Brandywine††	Pendleton	1,586	10	71.4	+ 0.5	98	22	41	16	44	5.05	+1.42	1.75	0	7	16	1	14	sw.	Elmer Keister
Burlington	Mineral	875	32	...	...	...	...	...	...	...	2.80	−0.89	1.10	0	4	19	10	2	se.	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	37	...	...	...	...	...	...	...	4.18	+0.69	2.03	0	8	...	...	...	...	J. C. Newcomer
Inwood	Berkeley	569	4	72.7[a]	...	104[a]	22	42	2	49[a]	1.78	...	1.00	0	8	18	4	9	w.	L. E Dills
Martinsburg	Berkeley	435	34	75.4[a]	+ 0.1	106[a]	21†	47	12†	42[a]	3.78	−0.04	1.45	0	13	24	6	1	sw.	Dr. H. S. Gardner
Moorefield	Hardy	900	30	74.8	+ 0.6	106	22	47	12	47	4.53	+1.14	1.82	0	10	27	0	4	...	M. S. Henkel
Piedmont	Mineral	1,053	13	72.0	+ 0.2	100	22	45	12	36	5.18	+1.36	2.02	0	11	13	5	13	nw.	C. A. Suter, Jr.
Romney ††	Hampshire	824	28	74.1[a]	− 0.8	107[a]	22	45	12	46[a]	3.00	−0.54	1.50	0	...	14	6	11	...	George E. Bergdoll
Stony River Dam	Grant	3,300	6	...	...	...	...	...	...	...	3.80	...	1.57	0	9	11	4	16	w.	A. C. Becker
Upper Tract	Pendleton	1,230	27	71.0[h]	− 1.0	99[h]	22	44[h]	12†	42[h]	1.55	−2.25	0.40	0	5	16[a]	0[a]	14[a]	w.	J. M. Mallow
Wardensville	Hardy	1,200	8	71.9[b]	...	100[b]	20†	42[b]	12	50[d]	4.21	...	0.75	0	7	19[a]	6[a]	5[a]	se.	Luther F. Sutton
Averages and	extremes	...	...	72.2	0	107	22	37	12†	50	3.76	+0.12	2.03	0	9	18	5	8	w.	
Northern Division																				
Aberdeen	Upshur	1,060	2	...	...	...	...	...	...	...	3.76	...	1.24	0	11	9	17	5	nw.	L. Else Bond
Bens Run	Pleasants	652	24	74.4	− 0.5	98	21†	53	12†	36	6.62	+2.07	1.69	0	12	19	7	5	...	J. D. Riggs
Benson	Harrison	1,080	3	71.7	...	95	21	44	16	39	5.85	...	1.98	0	15	10	19	2	...	R. D Marts
Brownsville	Lewis	1,032	3	73.7	...	98	21	47	15†	36	4.15	...	1.60	0	11	12	14	5	...	George M. Myers
Bruceton Mills	Preston	1,549	6	...	...	...	...	...	...	...	4.99	−0.31	1.15	0	9	5	15	11	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	29	71.2	− 0.8	91	22	46	16	32	4.55	+0.21	1.25	0	7	20	8	3	...	H. A. Darnall
Cairo	Ritchie	680	27	73.8	− 0.4	96	21	49	15†	34	6.85	+2.22	...	0	12	19	4	8	...	O C. Hess
Clarksburg	Harrison	1,015	4	73.2	...	96	21†	48	16	31	3.68	...	0.74	0	10	13	7	11	w.	Clarksburg Water Board
Cortland	Tucker	3,300	15	...	...	...	...	...	...	...	5.30	−0.70	2.00	0	7	5	18	8	...	G. W. Harmon
Crawford	Lewis	1,107	3	...	...	...	...	...	...	...	4.70	...	1.30	0	12	14	12	5	w.	George W. Blair
Creston	Wirt	640	24	75.8	+ 1.2	102	21	48	1	44	4.67	+0.65	1.50	0	9	21	0	10	sw.	J. M Reed
Dam 10 Mon. R.	Marion	826	5	...	...	...	...	...	...	...	3.26	...	0.93	0	9	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	10	...	...	...	...	...	...	...	2.67	...	0.70	0	10	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	10	...	...	...	...	...	...	...	4.83	...	1.81	0	10	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	5	...	...	...	...	...	...	...	2.29	...	0.61	0	9	...	...	...	...	Lockmaster
Davis	Tucker	3,093	17	...	...	...	...	...	...	...	6.20	+0.64	2.05	0	11	8	11	12	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	14	...	...	...	...	...	...	...	5.32	+1.03	1.22	0	9	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	25	70.3	− 1.0	94	22	44	16	36	4.57	−0.07	1.68	0	13	9	10	12	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	1	...	...	...	...	...	...	...	5.92	...	1.21	0	14	5	9	17	...	Claude A. Cunningham
Fairmont	Marion	883	20	73.2	− 1.0	98	22	50	12†	36	3.07	−1.53	0.74	0	8	20	2	9	w.	Creed E. Bolyard
Glenville	Gilmer	738	32	76.0	+ 1.1	100	22	49	15	38	5.22	−0.07	2.28	0	9	17	12	2	w.	Howard R. Brannon
Grafton (near) ††	Taylor	1,000	33	70.8[g]	− 2.0	99[g]	20	45[f]	14	40[i]	3.00	−1.99	...	0	7	14[a]	6[d]	7[d]	w.	Curtis Boice
Horton	Randolph	2,840	1	...	...	...	...	...	...	...	4.95	...	1.38	0	12	7	5	19	sw.	J. W. White
Janelew (near)	Lewis	1,020	3	72.8	...	97	22	44	16	37	4.63	...	1.95	0	8	20	7	4	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	28	71.0	− 1.2	94	21†	43	12	42	4.13	−0.65	1.41	0	10	13	9	9	w.	Allen Smith
Mannington	Marion	985	23	71.3	− 0.7	92	21†	46	16	36	3.91	−1.06	1.20	0	11	17	4	10	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	33	73.8	+ 0.2	98	22	48	12†	34	3.91	−1.16	1.02	0	9	9	10	12	s.	Prof. E L Andrews
Moundsville	Marshall	689	23	74.2	0	99	21	50	12	38	2.94	−1.53	0.72	0	10	13	9	9	se.	U. S Signal Corps
New Cumberland	Hancock	671	28	72.4	− 0.4	100	20†	48	14†	39	2.35	−1.94	0.87	0	9	19	3	9	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	32	74.0	− 1.3	99	21	47	12	43	6.08	+1.18	1.65	0	8	21	4	6	s.	Wm. Ankrom
Parkersburg	Wood	638	39	74.9	− 0.5	99	21	53	16	46	7.38	+2.72	1.61	0	13	14	7	10	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	26	71.4	+ 1.3	98	22	48	15	44	6.91	+1.79	...	0	7	15	7	9	...	J. W. Swisher
Philippi	Barbour	1,550	29	72.0	− 0.4	94	22	47	12	31	4.47	+0.51	1.24	0	12	10	10	11	w.	Prof W. B. Pimm
Pickens	Randolph	2,697	23	67.8	− 0.8	95	22	39	16	49	6.12	−0.25	1.26	0	12	13	8	10	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	3	...	...	...	...	...	...	...	4.22	...	1.23	0	10	17	10	4	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	39	...	...	...	...	...	...	...	5.28	+0.26	1.94	0	7	...	...	...	...	J. F. Pierce
Saint Marys	Pleasants	577	17	...	...	...	...	...	...	...	7.16	+3.05	1.45	0	14	...	...	...	sw.	Wm. Hughes
Smithfield	Wetzel	850	20	71.6	− 0.5	99	22	48	15†	41	0.96	−4.43	0.62	0	5	19	5	7	...	G. M Whisler
Terra Alta	Preston	2,559	25	65.2	− 3.9	88	22	37	12	35	6.10	+0.84	1.69	0	14	7	6	18	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	3	74.2	...	100	23	47	16	42	6.07	...	2.50	0	17	20	4	7	w.	J. C. Campbell
Vandalia	Lewis	1,120	3	...	...	...	...	...	...	...	5.91	...	4.27	0	10	...	...	...	...	Miss Phyllis West
Wellsburg	Brooke	668	25	72.0	+ 0.2	101	21	45	1†	53	2.47	−2.12	0.86	0	6	16	9	6	w.	George F. Pfister
West Milford	Harrison	979	1	...	...	...	...	...	...	...	4.11	...	1.50	0	11	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	30	71.0	− 0.3	95	21†	48	16	36	5.78	+0.81	1.80	0	9	6	19	6	...	Weston State Hospital
Wheeling	Ohio	645	39	73.5	− 1.1	103	21	39	11	43	2.39	−2.21	0.62	0	12	17	7	7	sw.	Miss M. B. Forsyth
Averages and	extremes	...	...	72.6	− 0.5	103	21	37	12	53	4.71	0	4.27	0	10	14	9	8	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	...	...	...	...	...	...	...	...	6.49	...	2.34	0	15	14	10	7	w.	H. S Sutton
Bancroft	Putnam	574	22	75.0	+ 0.2	98	1†	50	15	36	4.93	+0.89	2.00	0	7	21	0	10	ne.	R. E. Dent
Beckley	Raleigh	2,440	26	72.5	+ 1.2	103	21	45	14	36	3.94	−0.29	1.05	0	6	14	12	5	w.	K. E. Williams
Bluefield [d]	Mercer	2,558	31	70.0	− 1.5	91	22	44	16	34	3.36	−1.11	...	0	13	8	18	1	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	11	...	...	...	...	...	...	...	4.60	...	1.60	0	4	...	...	...	s.	Miss Katie Jarvis
Charleston	Kanawha	600	23	76.3	− 0.2	100	21	52	15†	38	5.36	+1.14	1.90	0	7	18	0	13	...	R O. Fields
Clay	Clay	706	10	...	...	...	...	...	...	...	3.60	...	1.70	0	9	...	...	...	...	Ted Thomas
Dam 6 G. K.	Kanawha	593		...	...	...	...	...	...	...	6.27	...	2.32	0	8	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	10	...	...	...	...	...	...	...	8.07	...	2.70	0	13	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	10	...	...	...	...	...	...	...	2.89	...	0.94	0	11	...	...	...	...	Lockmaster
Dam 26 O. R.††	Mason	564	10	...	...	...	...	...	...	...	2.78	...	1.30	0	9	...	...	...	...	U. S. Engineer Office
Gary	McDowell	1,426	10	73.8	...	95	21†	48	16	33	3.25	...	1.19	0	14	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	29	...	...	...	...	...	...	...	4.45	+0.50	1.43	0	10	7[c]	3[c]	18[c]	...	Mrs J. R. Baber
Huntington	Cabell	538	32	75.6	+ 0.2	94	21†	53	16	27	5.10	+0.89	2.00	0	10	13	8	10	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	7	...	...	...	...	...	...	...	2.50	...	0.85	0	8	...	...	...	...	J O. Brown
Kayford	Kanawha	1,335	10	...	...	...	...	...	...	...	4.45	...	1.55	0	9	...	...	...	...	Cabin Creek Con. Coal Co.
Kermit	Mingo	579	6	...	...	...	...	...	...	...	5.20	...	1.75	0	7	...	...	...	...	E. B. Kirk
Lewisburg	Greenbrier	2,250	26	71.2	+ 0.2	100	22	42	16	39	3.13	−0.95	1.00	0	9	15	8	8	nw.	Geo. T. Argabrite
Logan	Logan	706	23	...	...	...	...	...	...	...	3.75	−2.15	2.42	0	7	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	27	66.0	− 2.6	90	22	42	12†	36	7.03	+1.70	2.31	0	17	6	21	4	sw.	S. L. Brown
Point Pleasant	Mason	595	33	76.9	+ 0.5	102	19	49	15	42	5.00	+0.99	1.06	0	13	19	4	8	se.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	11	73.6	...	98	21†	40	15	43	3.54	...	1.18	0	11	14	0	17	se.	Lockmaster
Robertsburg	Putnam	570	26	71.8	− 0.6	100	21	50	11†	36	4.67	+0.93	1.93	0	9	22	0	9	...	M. Frazier
Ryan	Roane	700	23	73.2	− 0.1	97	21†	45	16	38	6.20	+1.64	2.14	0	9	17	7	7	...	Wm. E. Ryan
Sharples	Logan	...	6	...	...	...	...	...	...	...	5.92	...	2.60	0	6	...	...	...	...	R. W Howard
Spencer††	Roane	789	22	72.8	− 0.8	96	21†	49	15†	36	3.31	−0.98	1.13	0	10	10	17	4	...	A. M. McKown
Sutton	Braxton	850	20	69.8	...	97	21†	37	17	52	6.33	+1.16	2.34	0	9	22	0	9	...	C. B. Eakle
Union [d]	Monroe	2,250	22	72.6	+ 1.6	102	22	40	16	52	2.79	−1.83	0.76	0	11	8	11	8	...	W. M. H. Young
Wayne	Wayne	598	...	...	...	...	...	...	...	...	4.68	...	1.16	0	11	...	...	...	...	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	16	72.9[a]	+ 2.0	101[a]	21	43	15	43[a]	3.26	−1.79	0.95	0	11	14	8	9	...	H. E. Green
Williamson††	Mingo	673	26	...	...	...	...	...	...	...	4.72	...	1.38	0	6	23	0	8	...	H. C. Mohler
Averages and	extremes	...	...	73.0	+ 0.1	103	21	37	17	52	4.67	+0.11	2.70	0	10	15	7	9	w.	
State averages and	extremes	...	...	72.6	− 0.2	107	22	37	17	53	4.45	+0.05	4.27	0	10	15	8	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, a, b, c appearing in the table indicate number of missing days; for example, b represents two days, etc.

Daily Precipitation for July, 1926

Stations	Drainage basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Panhandle Division																																	
Bayard ‖	Potomac					.19	1.51	.11				1.17	.04		.17	.30				.03				1.29	.71	.67					.14		5.76
Brandywine	do				.50	.20	T.				T.				T.	T.							T.	.25	1.60					.10		1.75	5.65
Burlington	do				.70	.80				T.	T.								T.	T.			1.10	.20									2.80
Harpers Ferry ‖	do					2.03	.41					.14			.22		.18			T.				.56	.28	.33				T.			4.18
Inwood	do					1.00	.32								.05	.01	.02								.20					.01	.17		1.78
Martinsburg ‖	do			.08	.08	.91	.20					.02			.10		.04			.05				T.	1.15	.05				.05	.70	.02	3.73
Moorefield	do				.35	1.82					.08	.11			.11									1.01	.50					.23	.11	.15	4.53
Piedmont	do				.60	1.21	.01				T.			.17	.24				.28					.24	2.02					.28	.02	.08	5.18
Romney ‖	do				1.50	.32				.10				.38	.62										.08								3.00
Stony River Dam ‖	do			.02	.02	1.57	1.08	.04				.50			.33																.22	.02	3.80
Upper Tract	do			T.	.40	T.	.30				.30	T.			T.								T.					T.			.15	.40	1.55
Wardensville ‖	do				.75	.75	.45				.60	.41			T.	.50									.75				T.	T.	T.	T.	4.21
Northern Division																																	
Aberdeen	Monongahela			.07	.45	.61	1.24	.34		.09	*	.69			.04					.02				.21	T.	T.			T.				3.76
Bens Run	Ohio			.34	1.24	.03	.90				.25			1.05	.64				.50					.92			.10	.35	.30				6.62
Benson	Monongahela			.12	.50	.29	1.98	.19		.02	.65	.10		.05	.88					.35				.45				.08		.14		.05	5.85
Brownsville	do			.16	.36	.72	1.60	.82		.09	.35				.10					.16						T.		.07	.02				4.45
Bruceton Mills	do				.84	T.	.66			T.	1.15	T.		.49	.23				.33					1.10	T.			T.	T.		.07	.12	4.99
Buckhannon	do			T.	.35	.56	1.25				.75	T.		.33	T.				T.					.86				T.	T.	.45			4.55
Cairo	Little Kanawha			*	*	*	*	3.25			.49	.12		.95	.52				.13					.72				.67				T.	6.85
Clarksburg ‖	Monongahela			T.	.14	.44	.68	.40			.04	.20			.74									.26		.68				.10			3.68
Cortland ‖	do				1.50	2.00	.20				.70													.15	.35					.40			5.30
Crawford	Little Kanawha			.20	.20	1.30	.72	.64			.48	.16	.07	.07					.36				.45					.05					4.70
Creston ‖	Monongahela			.37		.22	1.50	.45				.75			.38					.15				.40					.45				4.67
Dam 10, Mon. R. ‖	Ohio					.73	.13	.26				.57			.93					.36				.21	.03						.04		3.26
Dam 12, O. R. ‖	do				.27	.49	.10	.39			.03	.20			.70				T.					.06				.04	.39				2.67
Dam 13, O. R. ‖	Monongahela				.70	.30	.12	1.81				.32			.70									.12				.04	.44		.28		4.83
Dam 15, Mon. R. ‖	do					.55	.22	.20				.32			.61					.02				.28	.07				.02				2.29
Davis ‖	do				.05	2.05	1.16	.58				.51			.50	.05								.06	.82	.12		T.		T.	.30		6.20
Elizabeth (D'm 3 L. K)	Little Kanawha			.38		.80	.57	.73							1.22					.34				.58				.18	.52				5.32
Elkins ***	Monongahela			T.	.14	1.59	.89	.01		.17	.70	.10		.30	.04								.13	.06	.41			T.	T.	T.	T.	.03	4.57
Evenwood	do	T.		.03	.15	.87	.56	.20		.03	.62	.48		T.	.27	T.			.01					1.21	.33			T.	T.	.03	T.	1.13	5.92
Fairmont ‖	do		T.		.50	.25	.59	.21			T.	.30			.74					T.				.41	.07				T.				3.07
Glenville ‖	Little Kanawha			.55		.24	2.28	.60				.58								.25				.42				.06	.24				5.22
Grafton (near) ‖	Monongahela			*	*	*	1.12			T.	.73			.65								.50											3.00
Horner	do			.32	.33	.34	1.55	.71		.14	.78	.09																					†††
Horton	do			.23	.58	.49	.35			T.	.56	.17			.09								.12	.20	1.38				T.		.12	.66	4.95
Janelew (near)	do			.30	.70	.45	1.95				.45	.25			.10											.43							4.63
Lost Creek	do			.03	.52	.58	1.41				.21			.40	.80				T.	.05				.11				T.		.02		T.	4.13
Mannington	do				1.20		.65	.01			.55	.19		.02	.90				.05					.28				.04		.02			3.91
Morgantown	do				.67	T.	.62	T.			.15	.36		T.	1.02	T.			.38					.23	T.			T.		.12	T.	.36	3.91
Moundsville ‖	Ohio			T.	.72		.43	.10			.02	.17		.12	.39									.58				.09	.32				2.94
New Cumberland ‖	do				T.	.34	.02	.15				.36			.87	T.								.40	.02			T.	.17	.02			2.35
New Martinsville	do				.90		1.65								.50				.20					1.05				.15	1.30		.33		6.08
Parkersburg ***	do		T.	.42	1.61	.11	1.43			.13	.10			.87	.18				.75					.30				.75	.09			.64	7.38
Parsons	Monongahela			.35	*	*	3.73							.83													T.	T.	1.60			.40	6.91
Philippi	do			T.	.16	1.24	.77	.33		.01	.35	.10	T.	.41	.06	T.	T.		T.					.60	.34	T.		T.	T.	T.	T.	.10	4.47
Pickens	do			.08		1.10	1.26	.15		T.	.72	.43			.11				.87						.75		.10				.15	.40	6.12
oanoke	do			.21	.02	.89	1.25	.98		T.	.44				.11					.21				.03						.10			4.22
owlesburg ‖	do					1.09	.31	.20				.55			.76									.43	1.94								5.28
aint Marys ‖	Ohio			.12	.21	.85	.80	1.45			.40	.12			1.42				T.	.22				.95	.02			.15	.33	.02	T.		7.16
mithfield ‖	Fishing Creek				.62		.05	.14																.06					.09				0.96
erra Alta	Monongahela	.01			.53	.85	.20	.08			.06	.38		.37	.57				.02	.05				1.69	.74	T.		T.	T.	T.	T.	.85	6.40
alley Chapel	do			.04	.46	.41	2.50	.30			.77	.18	.01	.41	.28	.01				.20				.15			.04	.02	.01	.25			6.07
andalia	do			.01	.01	.06	4.27						.46	.27					.36					.44				.02				.01	5.91
ellsburg	Ohio				.86		.33				T.		.59	.18										T.				.16	.35	T.			2.47
est Milford	Monongahela				.39	.30	1.50	.30	.30			.08		.22	.70	.02								.20					.10				4.11
eston	do			.10	.50	.40		.35					1.80		.45				.40				1.60	.18									5.78
heeling ‖	Ohio				.30	.32	.01	.31			.01	.27			.61				.02					.16				.05	.31	.02			2.39
Southern Division																																	
bovale	Great Kanawha	.02		.33	.53	2.34	.39	.09		.12	.20	.02							.18					.65	1.01					.07	.44	.10	6.49
ncroft ‖	do					.70	2.00	.55				.05			.20									1.40				.03					4.93
ckley	do						1.05				.34			.25										1.00	.30							1.00	3.94
uefield	do				*	*	1.89	.29		.01		.15			.07								.01	.05	.61				.04	.16	.08		3.36
mden-on-Gauley ‖	do						.80				1.00							1.20							1.60								4.60
arleston ‖	do				.68	.64	1.90	1.10					.44		.12									.48									5.36
y ‖	do					.23	1.70	.46				.58			.11					.13						.19		.10				.10	3.60
m 6 G. K. ‖	do					.57	2.32		.74			.68			.60									1.24				.06				.06	6.27
m 19 O. R. ‖	Ohio	.08		.40	T.	2.70	.26	.62			.15	.34			1.26					.40				.54				.05	.77	.25			8.07
m 20 O. R. ‖	do			.18		.94	.19	.23	T.		.06				.12				T.	.33				.48				.05	.26	.05			2.89
m 26 O. R. ‖	do			.01	.25	.20	1.30					.23			.40									.02				.04	.40				2.78
y ‖	Big Sandy				.36	14	.15	1.09	.01		.18	.55	.01		.10	.05								.30	.10	.19					.02		3.25
iton ‖	do						.54	.03				.46			.12	.07								.97	1.43	.67				.13		.03	4.45
tington ‖	Ohio				.08	.24	.94	.94				2.00			.14									.12				.12	.50	.02			5.10
nawha Falls ‖	Great Kanawha				.29	.06	.85	.33				.45			.15									.09								.28	2.50
ford ‖	do				.08	.20	1.55	.60				1.17			.22										.21			.30		T.		.12	4.45
mit	Big Sandy				.60	1.75		1.13				.56		.26									.75					.15					5.20
isburg	Great Kanawha					.43	.88	.04			.22				.10								.13	1.00	.24				.09				3.13
an	Guyandotte				.42		2.00	.42				.04			.57									.12				.18					3.75
inton	Great Kanawha	.08		1.04	.42	1.89	.12	.22		.14	.36				.38				.08				.08	1.42	.32			.06	.12	T	.04	.26	7.03
an Cave	do			.06		.50										.07												.20					0.83
t Pleasant ‖	Ohio			.40	.16	.16		.78			.05	.40			1.06					.08				.66				.16	.30	.71		.08	5.00
enswood (Dam 22	do	.26		.10		.22	.14	.25	T.		.08	.68	1.18							.20				.23				T.	.20			T.	3.54
ertsburg ‖	Great Kanawha					.10	1.93	.80			.73				.15					.02				.70				.11	.09	.04			4.67
n	do	.10			.17	2.14	1.83				.60			.07					.12									.72				.45	6.20
ples ‖	Coal River				2.60	.30	1.50	.78				.36			.38											T		T.					5.92
uville ‖	Great Kanawha				*	*	2.50	.43																2.20									5.13
eer ‖	do	T.		.21		.40	1.13	.42				.46		.05						.11				.32				.12				.09	3.31
on	do				.15	1.30	2.34					.46	.28											.92		.26		.44		.18			6.33
n	do					.48	.39	.04		.04			.61		.08										.76		.06		.19	.11	.03		2.79
ne h	Big Sandy				.09	.89	1.16	1.08				.62			.08									.13					.18	.01	.10	.34	4.65
Sulpr. Spgs. ‖	Great Kanawha					.60	.95				.40			.05	.04								.45	.10	.07				.20	.10	.30		3.26
amson ‖	Big Sandy			T.	.85		1.38	.98							.25									.61				.62					4.72

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T Trace, or less than 0.01 inch. ††† Probably incomplete.

Daily Temperatures for July, 1926

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	88	87	91	87	86	81	81	89	90	86	76	77	76	71	66	76	81	84	86	91	94	95	94	86	80	76	74	77	80	84	86	83.1
	Minimum	52	46	54	64	59	61	46	46	54	68	49	37	46	53	39	37	41	49	49	61	63	52	59	56	55	49	54	51	58	55	62	52.5
Brandywine	Maximum	90	91	92	87	82	89	88	90	92	91	80	75	76	75	78	80	78	93	92	94	92	98	91	86	85	80	75	82	80	87	90	85.8
	Minimum	54	58	60	62	64	65	61	60	64	62	54	42	50	42	50	41	45	52	54	60	61	54	62	62	58	58	60	60	65	62	65	57.0
Burlington	Maximum	93	94	99	72	75	80	89	98	99	98	85	79	78	79	85	89	90	98	99	100	103	105	106	101	90	96	81	82	90	94	96	91.1
	Minimum	59	71	71	66	61	60	70	69	72	69	65	50	45	42	50	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	61.3
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Martinsburg§	Maximum	93	91	91	78	72	82	91	91	98	100	80	87	88	70	69	87	92	99	95	100	106	106	90	89	84	85	81	85	85	93	....	88.6
	Minimum	58	60	67	68	60	61	67	56	64	72	64	47	57	59	49	47	53	59	61	68	75	64	70	65	63	64	59	62	69	68	68	62.1
Moorfield	Maximum	92	94	91	88	74	94	89	93	99	98	79	85	85	81	72	83	90	80	90	96	104	106	97	95	86	85	80	83	86	88	87	88.7
	Minimum	57	59	64	65	63	66	65	57	63	71	63	47	53	60	50	48	51	56	59	66	63	59	68	65	64	60	62	61	68	66	72	61.0
Piedmont	Maximum	89	90	90	79	70	86	84	86	92	90	76	79	83	66	73	80	85	89	90	95	97	100	88	86	82	79	76	78	84	84	81	84.1
	Minimum	55	55	64	65	61	65	65	53	61	66	61	45	55	54	41	46	52	56	59	68	65	64	68	61	63	57	60	59	66	66	69	59.8
Romney	Maximum	94	82	94	76	76	90	94	84	95	96	75	84	84	70	66	85	94	94	100	100	103	107	95	89	86	83	84	83	89	89	....	88.0
	Minimum	55	58	65	65	61	61	65	53	62	69	63	45	54	57	48	48	52	56	59	69	67	61	67	64	64	57	60	59	67	66	70	60.2
Upper Tract	Maximum	83	82	80	78	78	78	81	88	90	92	....	79	....	....	70	....	84	84	90	93	97	99	98	96	....	70	70	....	84	....	....	84.5
	Minimum	55	55	62	62	62	63	62	54	61	61	....	44	....	....	49	....	44	55	60	64	65	57	67	56	....	62	57	....	58	....	....	57.6
Wardensville§	Maximum	88	84	92	85	84	....	89	89	94	91	85	90	81	75	76	86	89	90	93	100	95	100	96	89	83	86	84	89	88	86	....	88.2
	Minimum	....	51	62	48	45	55	....	51	60	64	63	42	57	59	45	44	48	52	56	64	55	50	62	63	54	53	60	61	58	62	68	55.6
Northern Division																																	
Bens Run	Maximum	92	94	92	79	80	81	86	91	90	88	82	82	74	75	79	83	87	90	92	95	98	98	83	88	87	82	77	80	85	89	91	86.1
	Minimum	57	59	66	68	67	67	61	61	62	61	61	53	60	54	62	53	55	54	72	66	67	69	73	61	58	62	65	63	68	67	69	62.6
Buckhannon	Maximum	84	85	84	81	77	81	79	88	84	86	72	74	75	67	69	67	77	83	89	88	90	91	83	83	80	83	75	79	83	83	87	80.9
	Minimum	60	59	68	68	68	67	66	57	63	72	60	48	55	57	50	46	50	57	57	64	67	63	67	63	64	63	66	61	65	67	69	61.5
Cairo	Maximum	91	91	92	89	84	83	84	90	91	90	76	80	79	74	78	82	86	89	92	95	96	95	88	87	86	85	77	85	90	88	89	86.5
	Minimum	60	63	64	68	70	71	68	57	62	67	60	50	55	54	49	49	52	59	58	64	62	68	67	61	56	60	63	63	64	65	67	61.2
Clarksburg §	Maximum	89	91	93	77	81	84	84	91	92	87	73	80	77	72	74	81	86	88	91	94	96	96	82	87	85	86	80	86	90	88	92	85.6
	Minimum	58	59	62	66	66	69	67	58	61	68	61	49	56	55	49	48	52	57	58	64	63	64	70	63	59	62	67	62	64	61	67	60.8
Creston	Maximum	92	95	93	92	85	81	85	92	93	92	78	88	85	75	78	87	90	91	96	98	102	99	94	88	90	88	86	86	94	91	90	89.5
	Minimum	48	59	68	68	62	67	66	57	63	71	61	51	57	56	50	49	52	79	58	69	68	67	66	69	57	61	63	65	63	69	68	62.2
Elkins	Maximum	84	84	84	79	78	81	79	85	85	86	68	74	72	65	66	75	79	84	85	89	90	94	84	84	80	79	71	76	82	83	87	80.4
	Minimum	58	55	64	64	65	63	60	55	63	64	51	46	51	50	48	44	49	53	54	62	62	58	65	60	60	58	65	65	63	64	66	58.2
Fairmont§	Maximum	92	91	88	74	78	78	87	88	90	88	74	79	77	73	76	81	86	89	92	94	97	98	81	88	85	85	75	82	89	91	94	85.2
	Minimum	56	56	62	67	65	68	65	56	61	70	59	50	56	54	50	50	53	60	59	66	67	67	69	63	59	62	66	63	66	65	68	61.2
Glenville	Maximum	96	97	93	89	83	86	88	94	94	92	75	84	82	79	76	88	87	90	94	97	99	100	97	91	90	90	87	87	95	93	88	89.7
	Minimum	62	60	68	68	68	67	66	59	65	71	61	51	56	57	49	50	50	57	61	66	67	67	68	65	65	61	62	62	64	68	67	62.2
Grafton(near)§	Maximum	92	....	....	....	....	88	....	92	91	70	81	80	74	72	83	88	92	96	98	99	90	87	85	82	....	82	85	72	88	90	....	85.7
	Minimum	50	62	....	....	....	....	53	....	57	56	47	50	53	45	47	49	52	61	59	59	60	62	52	56	62	....	57	60	61	63	65	55.9
Lost Creek	Maximum	89	92	91	81	80	80	83	88	88	87	72	76	74	71	73	80	83	88	90	93	94	94	88	88	85	86	82	81	83	89	93	84.6
	Minimum	53	50	63	64	64	64	64	52	58	68	62	43	52	53	44	44	46	53	54	61	60	60	65	60	57	56	64	59	58	60	64	57.3
Mannington	Maximum	86	88	87	80	81	79	83	85	87	85	78	76	74	72	72	79	81	86	88	91	92	92	87	85	82	83	79	83	87	87	90	83.4
	Minimum	52	52	63	65	64	68	65	54	58	68	59	48	55	55	47	46	51	58	57	63	61	63	68	62	56	58	65	61	65	63	66	59.2
Morgantown	Maximum	90	91	91	82	80	82	84	88	89	88	77	79	76	71	72	82	85	90	91	94	96	98	92	84	85	83	78	83	92	90	90	85.6
	Minimum	56	58	65	66	67	67	65	54	65	72	58	48	61	53	49	48	55	64	58	70	70	70	68	62	59	65	66	66	68	64	67	62.1
New Cumberland§	Maximum	87	88	88	71	86	84	84	91	91	85	74	84	72	73	78	85	87	91	96	100	100	98	81	87	86	86	74	82	87	88	92	85.7
	Minimum	49	54	64	65	62	69	62	52	62	72	59	50	64	48	48	49	54	58	58	68	64	68	65	58	51	54	65	61	62	58	59	59.1
New Martinsville	Maximum	93	96	93	82	80	82	88	93	93	91	85	82	80	79	78	85	90	91	95	98	99	98	94	90	90	87	83	83	94	90	93	88.9
	Minimum	52	53	65	64	63	66	64	56	60	67	58	47	58	51	48	50	52	58	57	65	62	64	64	59	53	58	64	60	63	63	64	59.0
Parkersburg	Maximum	90	92	91	78	84	83	84	89	91	88	74	82	74	72	77	83	86	90	94	96	99	97	80	85	84	84	75	84	89	87	86	85.4
	Minimum	62	64	67	70	70	68	68	63	70	64	59	55	59	55	54	53	58	63	63	69	70	73	70	65	61	66	66	67	68	68	69	64.4
Parsons	Maximum	90	89	85	78	85	84	83	93	84	80	68	90	80	79	70	82	88	90	90	94	94	98	88	87	88	82	79	83	86	84	82	84.9
	Minimum	54	58	56	57	64	64	64	54	60	58	49	50	50	50	48	50	50	50	50	50	54	75	72	70	60	58	63	63	62	64	64	57.8
Philippi	Maximum	87	87	87	80	77	81	83	86	86	86	71	76	75	69	72	78	82	85	89	91	93	94	85	85	81	83	79	80	86	86	88	82.8
	Minimum	60	58	66	68	67	65	60	57	64	65	57	47	55	54	48	48	53	59	58	70	69	67	67	62	61	62	65	65	65	65	67	61.1
Pickens	Maximum	87	87	88	80	77	71	80	87	85	86	65	74	72	64	76	78	83	85	86	89	90	95	88	75	83	82	76	82	81	85	80	81.2
	Minimum	53	55	55	59	62	60	54	60	65	60	46	40	48	48	41	39	45	49	53	65	58	46	59	55	56	60	59	56	58	61	61	54.4
Terra Alta	Maximum	79	82	80	75	70	74	75	80	80	79	68	69	68	61	63	71	75	78	81	85	86	88	85	78	75	72	68	72	81	81	79	76.1
	Minimum	47	48	57	58	59	63	61	45	54	68	51	37	48	51	39	40	42	54	52	62	66	57	61	56	57	55	57	56	61	58	62	54.3
Wellsburg	Maximum	98	88	88	82	83	82	85	91	91	86	76	82	73	75	79	84	86	91	94	99	101	97	81	90	89	84	82	83	91	89	92	86.8
	Minimum	45	55	62	64	62	69	64	50	60	58	60	47	48	47	45	46	45	60	68	64	61	64	66	54	49	55	64	60	65	57	56	57.1
Weston	Maximum	88	89	92	89	89	82	88	87	90	90	85	82	70	75	75	80	70	85	88	93	95	95	91	91	85	89	85	81	85	86	85	85.6
	Minimum	60	60	70	65	65	68	64	58	65	68	68	49	55	60	55	48	52	60	59	65	59	69	65	66	65	68	65	66	67	68	64	62.5
Wheeling§	Maximum	93	90	92	72	85	86	90	94	94	95	80	85	75	76	80	89	90	96	98	101	103	101	81	93	91	87	72	82	94	93	96	88.8
	Minimum	50	58	60	65	64	66	65	54	58	70	39	50	64	50	46	50	54	60	59	65	64	66	65	57	53	59	65	61	64	61	59	58.7
Southern Division																																	
Bluefield	Maximum	80	81	84	....	....	89	80	87	85	83	84	82	74	66	67	75	78	85	85	87	89	91	89	87	....	88	72	82	80	79	....	81.8
	Minimum	54	56	58	....	....	64	60	55	61	58	55	48	54	56	49	44	54	62	63	60	61	65	61	61	....	69	60	59	65	62	....	58.3
Charleston	Maximum	91	95	90	89	94	87	88	92	91	93	76	82	78	76	80	84	88	90	96	98	100	99	93	91	90	90	84	86	92	93	93	89.3
	Minimum	63	64	66	66	68	69	66	64	64	70	60	55	55	59	52	52	53	57	58	65	65	68	68	68	68	60	63	71	66	68	70	63.3
Gary §	Maximum	89	92	93	90	89	83	83	89	87	92	72	79	80	69	74	81	83	87	91	94	95	95	89	84	86	83	80	82	84	91	94	85.8
	Minimum	61	62	63	67	69	67	65	61	64	66	62	51	54	59	52	48	51	55	60	61	62	64	64	65	66	63	67	64	66	68	68	61.8
Huntington §	Maximum	89	91	88	86	89	85	83	88	90	91	75	80	75	72	75	80	83	88	91	93	94	94	86	87	85	84	82	83	88	86	86	85.4
	Minimum	68	67	72	68	69	70	68	60	68	78	61	55	62	56	55	53	56	61	66	67	69	72	71	68	65	63	67	68	69	71	71	65.8
Lewisburg	Maximum	89	90	89	90	89	83	80	88	86	88	78	78	76	68	69	77	84	86	89	92	94	100	92	84	84	79	70	74	79	86	89	83.9
	Minimum	54	54	59	63	67	64	64	55	62	65	60	47	51	59	49	42	47	51	55	57	58	61	62	63	62	65	60	62	65	65	65	58.5
Marlinton	Maximum	80	84	76	80	76	82	76	80	82	84	64	72	70	64	66	72	78	82	84	88	88	90	84	76	78	74	64	68	78	82	84	77.6
	Minimum	56	56	58	60	60	60	58	52	60	58	52	42	46	50	46	42	42	50	52	58	56	54	58	56	54	58	56	54	56	62	66	54.5
Point Pleasant	Maximum	85	96	95	96	94	90	90	99	95	90	80	80	85	80	80	88	80	92	102	100	100	99	95	95	85	92	90	92	92	91	98	91.2
	Minimum	54	60	62	66	69	66	65	59	70	75	60	50	60	52	49	50	52	60	60	65	66	70	68	61	60	60	76	68	70	70	69	62.6
Ravenswood	Maximum	90	94	92	88	86	85	87	88	90	90	79	89	79	73	77	84	86	89	95	96	98	98	98	85	86	85	81	88	89	90	90	87.9
	Minimum	51	51	60	68	68	69	56	57	68	70	52	51	60	45	40	41	43	53	52	66	61	68	68	65	57	61	67	65	66	67	68	59.2
Robertsburg§	Maximum	91	94	92	87	90	87	87	90	92	75	77	87	82	85	75	85	88	90	95	97	100	99	83	85	89	89	84	88	90	94	88	88.3
	Minimum	62	60	70	64	66	67	64	60	64	60	50	55	57	61	50	50	52	59	61	64	65	66	66	60	58	58	64	64	66	68	69	61.3
Ryan	Maximum	90	92	93	80	83	83	82	87	90	90	78	80	76	75	77	81	85	88	94	96	97	97	97	89	87	82	80	82	90	90	92	86.5
	Minimum	61	57	67	62	63	66	63	58	63	68	58	47	55	55	47	45	47	56	58	60	61	64	64	67	64	59	65	65	62	64	66	59.9
Spencer §	Maximum	88	89	89	80	78	80	82	87	90	89	88	75	70	72	71	68	87	90	94	95	96	96	86	86	86	82	80	82	89	89	90	84.0
	Minimum	62	59	70	64	67	68	59	59	61	70	59	50	55	50	49	49	51	54	60	69	65	68	68	65	60	61	62	63	65	61	68	61.0
Sutton	Maximum	95	95	93	93	86	86	88	92	93	93	90	81	81	75	75	80	85	85	93	95	97	97	96	90	90	89	83	83	93	94	95	89.1
	Minimum	44	43	48	46	44	43	40	44	51	49	52	42	40	43	45	44	37	52	56	60	61	64	52	60	58	58	57	61	58	62	59	50.6
Union	Maximum	91	95	93	....	90	88	87	92	94	94	....	96	81	76	73	83	88	....	96	98	100	102	97	87	....	90	75	74	77	91	91	88.9
	Minimum	52	61	58	....	62	62	61	51	59	67	....	44	50	56	49	40	46	....	49	54	55	60	59	61	....	59	58	60	64	63	60	56.3
White Sulphur Spgs§	Maximum	95	94	93	91	89	87	93	92	94	70	84	79	75	73	84	89	93	95	97	99	101	95	85	91	81	69	73	80	86	89	....	87.3
	Minimum	59	58	62	65	65	63	55	60	60	62	47	50	57	53	43	46	50	53	57	56	58	62	63	62	65	60	59	65	67	66	65	58.6
Williamson §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 9-28-26—830)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIV Parkersburg, W. Va., August, 1926 No. 8

GENERAL SUMMARY

The past month was exceptionally wet and considerably warmer than usual. The average rainfall, 6.94 inches, was the second greatest of August State record, the greatest August average rainfall, 7.51 inches, being noted in 1898. The average for August, 1911, was 6.71 inches. Rain fell daily in nearly all localities from the 13th to the 21st, when about 90 per cent. of the month's fall was received. The rainfall during that wet period ranged from 5 to more than 10 inches at many of the central and north-central stations. At Bayard, Grant County, 12.09 inches was measured from the 13th to the 23d. The average temperature 74°, was exceeded for August in 1900, 1906 and 1918. The month was generally unusually dry until the 13th, when crops and pastures were damaged by drought. During the rainy period crops were damaged by washings and grains in the shock began to sprout. The conditions were also unfavorable for threshing and all outdoor work. Pastures and meadows, however, were much improved by the soaking rains. There was practically no damage by hail.

TEMPERATURE

The monthly mean for the State, determined from 47 stations, was 74.0°. The departure from the normal for 37 stations having ten or more years of record was +2.1°. The temperature was above the normal from the 1st to the 7th, 10th to the 17th, 21st to the 24th, and from the 27th to the 29th, he highest temperature occurring in nearly all localities on the 11th, when the maximum temperature was near or slightly bove 100° at many stations. The coolest weather occurred on he 8-9th, 18-20th, 25-26th, and 31st, the lowest temperatures ccurring on the 9th and 31st.

PRECIPITATION

The average precipitation for the State, determined from 80 tations, was 6.94 inches. The departure from the normal for 5 stations having ten or more years of record was +3.00 inches. he rainfall was heaviest over the central and north-central coun- es and lightest over the southern counties. Scattered and gen- rally light showers occurred daily during the first week. From ie 13th to the 21st rain fell generally daily in practically all calities, heavy rain being measured in many localities. Mod- ate to heavy rain also fell on the 24-25th and light rain on the th. The heaviest rain was measured on the 15th, 16th and th.

LIGHT HAIL

Light hail fell at Camden-on-Gauley on the 15th, 18th and th.

MODERATE HAIL

Moderate hail fell locally at New Cumberland for 25 minutes the 21st. Not much damage was caused to crops and fruit.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 26th, 27th, and 29th; Bancroft, 4th, 5th 9th, 10th, 26th, 27th, and 29th; Bayard, 17th, 18th, and 20th; Elkins 9th, 26th, 28th, and 31st; Marlinton, 2d to the 13th, and from the 26th to the 30th; New Cumberland, 9th and 31st; Parkersburg, 26th and 28th; Stony River Dam, 19th; Terra Alta, 23d, 26th and 28th; Wellsburg, 31st.

Halos, lunar. Bayard, 11th and 15th.

Thunderstorms (dates and number of stations reporting): 1st, 1; 2d, 7; 3d, 9; 4th, 3; 5th, 4; 6th, 3; 7th, 1; 11th, 1; 12th, 3; 13th, 6; 14th, 15; 15th, 5; 16th, 9; 17th, 2; 18th, 1; 19th, 1; 20th, 3; 21st, 1; 22d, 1; 24th, 5; 25th, 1; 29th, 5; 30th, 8.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a.m.	local noon	8 p.m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity: Miles per hour	Max. velocity: Direction	Max. velocity: Date
Cincinnati, Ohio	30.00	90	67	76	224.5	53	3,557	4.8	34	nw.	6
Columbus, Ohio	30.00	84	65	71	227.4	53	5,204	7.0	38	sw.	12
Elkins	30.02	90	64	82	188.3	44	2,552	3.4	19	nw	1
Lexington, Ky	30.00	86	71	....	254.2	60	6,915	9.3	44	se.	11
Parkersburg	30.02	82	62	72	232.6	55	2,745	3.7	24	s.	14
Pittsburgh, Pa	30.01	81	60	61	183.3	43	6,360	8.3	43	s.	1
Wytheville, Va	30.01	88	63	80	242.0	58	3,363	4.5	26	sw.	16

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	69.8	......	......	5.48	......	......	......			
1892	72.1	96	41	2.55	......	......	......	......	......	......
1893	70.8	98	41	3.38	......	......	......	......	......	......
1894	71.5	103	38	2.07	......	......	......	......	......	......
1895	73.3	104	40	3.01	5.15	0.27	......	14	12	5
1896	72.6	97	40	2.82	7.69	1.15	......	15	11	5
1897	70.9	100	42	2.91	5.69	0.88	......	15	12	4
1898	73.7	96	44	7.51	5.93	0.77	......	13	14	4
1899	73.5	100	34	2.64	11.57	4.40	......	12	12	7
1900	76.0	100	45	3.15	6.37	0.34	......	15	11	5
1901	73.6	98	43	5.14	7.20	1.03	......	17	10	4
1902	70.4	98	35	2.40	13.70	1.64	......	10	13	8
1903	71.4	105	38	2.64	6.05	0.97	......	15	13	3
1904	70.7	95	32	2.88	5.85	0.99	......	12	13	6
1905	71.3	96	40	4.25	6.71	0.67	......	15	10	6
1906	75.4	98	47	5.15	8.32	1.32	......	14	11	6
1907	69.4	93	41	4.64	10.72	2.18	......	10	13	8
1908	70.9	101	37	2.82	10.12	1.55	......	13	10	8
1909	70.8	99	37	3.03	5.63	0.84	......	15	10	6
1910	70.8	98	39	2.03	5.79	0.81	......	16	10	5
1911	73.5	105	40	6.71	5.58	0.70	......	17	10	4
1912	69.3	95	35	3.64	12.14	2.38	......	13	10	8
1913	72.7	102	37	3.18	11.70	0.25	......	10	13	8
1914	71.8	100	40	4.86	8.20	0.79	......	19	7	5
1915	69.4	99	36	4.84	9.29	1.38	......	15	9	7
1916	72.9	104	40	4.76	8.36	2.46	......	10	11	10
1917	71.6	102	39	3.53	15.35	1.46	......	14	9	8
1918	76.0	110	43	3.96	8.80	0.94	......	17	8	6
1919	70.2	100	40	4.54	9.15	0.63	......	17	8	6
1920	71.1	95	42	4.27	8.67	0.95	......	16	9	6
1921	69.7	98	37	5.20	9.28	1.69	......	9	10	12
1922	68.9	98	31	3.87	9.46	2.13	......	16	8	7
1923	71.0	99	33	4.39	7.51	1.20	......	14	9	8
1924	71.7	104	34	4.63	12.42	1.60	......	15	8	8
1925	70.7	100	33	1.86	9.34	0.69	......	18	8	5
1926	74.0	105	38	6.94	4.92	0.20	......	18	8	5
					15.36	2.95	......	13	7	11
Means and extremes	71.8	110	31	3.94	15.36	0.20	......	14	11	6

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., August, 1926

See temperature and precipitation data in Climatological Tables, Pages 30, 31, and 32

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
rksburg	Evaporation	.174	.222	.252	.162	.210	.245	.156	.245	.168	.199	.211	.276	.260	.221	.208	.003	.015	.003	.261	.001	.099	.141	.150	.150	.075	.075	.145	.150	.175	.210	.090	4.962
	Wind movement	42	20	45	33	24	26	41	60	48	26	31	32	41	36	36	18	42	22	14	36	53	15	11	18	32	13	22	26	4	51	16	944

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for August, 1926

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	25	68.0[c]	+ 2.0	95[c]	11	38[c]	31	41[d]	15.36	+10.75	2.70	0	17	11[c]	5[c]	12[c]	sw.	U. G. Clark
Brandywine††	Pendleton	1,586	10	74.0	+ 4.1	96	13	50	9	43	5.10	+2.22	......	0	8	15	0	16	sw.	Elmer Keister
Burlington	Mineral	875	32	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	37	......	......	......	......	......	......	......	7.19	+4.16	1.22	0	16	......	......	......	......	J. C. Newcomer
Inwood	Berkeley	569	4	74.3[a]	......	102[a]	11	54	9†	37[a]	7.90	......	1.80	0	14	17	2	12	nw.	L. E. Dills
Martinsburg	Berkeley	435	34	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Dr. H. S. Gardner
Moorefield	Hardy	900	30	78.1[g]	+ 4.8	103[g]	12	51[g]	31	40[g]	5.10	+1.86	......	0	13	19[h]	3[h]	1[b]	......	M. S. Henkel
Piedmont	Mineral	1,053	13	71.8	+ 1.4	96	11	50	9	35	6.63	+3.04	1.58	0	17	12	3	16	se.	C. A. Suter, Jr.
Romney	Hampshire	824	28	75.0[e]	+ 2.1	105[e]	11	49[d]	9	49[h]	8.90	+4.94	2.75	0	9	16	5	10	......	George E. Bergdoll
Stony River Dam	Grant	3,300	6	......	......	......	......	......	......	......	9.58	......	1.70	0	17	3	9	19	w.	A. C. Becker
Upper Tract	Pendleton	1,230	27	70.4[f]	− 0.6	97[g]	11	50[g]	9	36[g]	2.95	−0.80	1.60	0	7	18[c]	0[c]	11[c]	......	J. M. Mallow
Wardensville	Hardy	1,200	8	72.5[a]	......	101[a]	13	46[a]	31	42[b]	7.16	......	1.40	0	12	12[b]	5[b]	12[b]	e.	Luther F. Sutton
Averages and	extremes	......	....	72.9	+ 1.9	105	11	38	31	49	7.86	+3.99	2.75	0	14	14	5	12	w.	
Northern Division																				
Aberdeen	Upshur	1,060	2	......	......	......	......	......	......	......	6.33	......	1.41	0	15	9	13	9	nw.	L. Else Bond
Bens Run	Pleasants	652	24	75.4	+ 1.6	94	12†	54	31	33	7.03	+2.79	1.86	0	13	19	5	7	......	J. D. Riggs
Benson	Harrison	1,080	3	73.4	......	98	12	47	9†	39	7.64	......	2.20	0	14	10	16	5	......	R. D Marts
Brownsville	Lewis	1,032	3	74.8	......	100	11	50	31	40	6.76	......	1.55	0	14	11	14	6	......	George M. Myers
Bruceton Mills	Preston	1,549	6	......	......	......	......	......	......	......	7.00	+2.35	1.28	0	14	1	19	11	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	29	72.2	+ 1.9	90	11	52	31	28	6.54	+2.44	1.30	0	15	19	5	7	......	H. A. Darnall
Cairo	Ritchie	680	27	74.8	+ 2.0	98	11	50	31	36	7.23	+3.61	2.45	0	11	15	7	9	......	O. C. Hess
Clarksburg	Harrison	1,015	4	75.2	......	100	11	51	31	37	7.99	......	2.72	0	12	11	9	11	w.	Clarksburg Water Board
Crawford††	Lewis	1,107	3	......	......	......	......	......	......	......	6.69	......	1.34	0	11	15	10	6	w.	George W. Blair
Creston	Wirt	640	24	75.1	+ 1.7	103	11	53	9†	41	7.27	+3.82	1.97	0	11	16	0	15	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	5	......	......	......	......	......	......	......	5.46	......	1.35	0	15	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	10	......	......	......	......	......	......	......	4.48	......	1.37	0	14	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	10	......	......	......	......	......	......	......	6.56	......	2.15	0	16	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	5	......	......	......	......	......	......	......	5.67	......	2.36	0	16	......	......	......	......	Lockmaster
Davis	Tucker	3,093	17	......	......	......	......	......	......	......	10.50	+5.52	1.75	0	20	10	9	12	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt††	615	14	......	......	......	......	......	......	......	7.76	+3.39	2.50	0	10	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	25	70.5	+ 1.4	93	11	51	9	34	6.57	+2.92	2.29	0	18	5	13	13	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	1	......	......	......	......	......	......	......	11.27	......	2.01	0	16	3	5	23	......	Claude A. Cunningham
Fairmont	Marion	883	20	74.6	+ 1.9	99	11	52	9	38	5.74	+2.03	2.40	0	15	21	1	9	w.	Creed E. Bolyard
Glenville	Gilmer	738	32	77.8[c]	+ 3.9	103	11	52[c]	31	41[c]	4.46	+0.55	1.10	0	12	17	5	9	w.	Howard R. Brannon
Grafton (near)	Taylor	1,000	33	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Curtis Boice
Horner	Lewis	1,044	3	......	......	......	......	......	......	......	7.03	......	1.40	0	14	19	6	6	......	Thomas E. Miles
Horton	Randolph	2,840	1	......	......	......	......	......	......	......	8.98	......	2.06	0	14	11	3	17	sw.	J. W. White
Janelew (near)	Lewis	1,020	3	74.6	......	98	10†	49	31	43	8.58	......	1.50	0	14	19	2	10	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	28	73.4	+ 2.4	99	11	47	9	43	7.31	+3.29	2.27	0	14	12	6	13	w.	Allen Smith
Mannington	Marion	985	23	72.6	+ 1.7	95	11	47	31	38	5.97	+2.05	1.84	0	14	10	10	11	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	33	74.6	+ 2.3	100	11	50	31	36	4.75	+0.55	1.36	0	11	5	15	11	s.	Prof. E. L. Andrews
Moundsville	Marshall	689	23	75.4	+ 2.5	100	11	50	31	38	4.92	+1.33	1.17	0	15	6	14	11	nw.	U. S Signal Corps
New Cumberland	Hancock	671	28	74.2	+ 3.3	96	13	48	31	39	6.78	+3.30	2.96	0	16	9	5	17	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	32	74.8	+ 0.7	100	11	51	31	39	5.32	+1.82	1.25	0	10	14	5	12	s.	Wm. Ankrom
Parkersburg	Wood	638	39	76.2	+ 2.3	98	11	58	26	30	5.75	+2.22	1.37	0	13	11	8	12	se.	U. S. Weather Bureau
Parsons ††	Tucker	1,649	26	74.6	+ 5.4	97[1]	11	57[1]	11	40[1]	11.15	+7.36	......	0	20	5[1]	9[1]	5[1]	......	J. W. Swisher
Philippi	Barbour	1,550	29	72.8	+ 1.1	95	11	50	31	31	8.56	+4.51	2.11	0	18	7	13	11	w.	Prof. W. B. Pimm
Pickens	Randolph	2,697	23	69.1	+ 2.3	93	11	42	9	42	8.73	+3.62	3.10	0	12	16	5	10	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	3	......	......	......	......	......	......	......	5.13	......	1.34	0	12	17	6	8	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	39	......	......	......	......	......	......	......	12.59	+8.72	1.97	0	16	......	......	......	......	J. F. Pierce
Saint Marys	Pleasants	577	17	......	......	......	......	......	......	......	8.21	+3.45	2.22	0	14	......	......	......	......	Wm. Hughes
Smithfield	Wetzel	850	20	73.9	+ 2.9	96	10	51	9	43	4.70	+0.24	1.29	0	9	17	4	10	......	G. M. Whisler
Terra Alta	Preston	2,559	25	67.3	+ 0.2	87	11	41	31	35	7.98	+2.99	1.86	0	16	7	10	14	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	3	75.0	......	99	11	50	31	38	6.77	......	2.00	0	17	19	2	10	w.	J. C. Campbell
Vandalia	Lewis	1,120	3	......	......	......	......	......	......	......	5.27	......	1.20	0	9	......	......	......	......	Miss Phyllis West
Wellsburg	Brooke	668	25	74.0	+ 3.6	100	11	46	10	45	5.53	+1.69	0.95	0	13	10	17	4	......	George P. Pfister
West Milford	Harrison	979	1	......	......	......	......	......	......	......	7.97	......	3.06	0	11	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	30	75.1	+ 2.1	99	11	49	31	37	6.25	+2.32	1.40	0	11	1	22	8	......	Weston State Hospital
Wheeling	Ohio	645	39	75.7	+ 2.3	103	11	49	30	41	5.92	+2.25	1.91	0	15	14	8	9	w.	Miss M. B. Forsyth
Averages and	extremes	......	....	73.9	+ 2.1	103	11	41	31	45	6.91	+2.82	3.10	0	14	12	8	11	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	....	......	......	......	......	......	......	......	6.85	......	2.27	0	15	18	5	8	w.	H. S. Sutton
Bancroft	Putnam	574	22	75.8[b]	+ 2.2	99[b]	11	55	9	34[b]	4.51	+0.09	2.23	0	9	22	0	9	ne.	R. E. Dent
Bluefield [c]††	Mercer	2,558	31	69.9	− 1.0	90	11	42	23†	44	4.18	−0.24	1.67	0	14	7	14	7	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	11	......	......	......	......	......	......	......	7.60	......	1.60	0	7	23	0	8	s.	Miss Katie Jarvis
Charleston	Kanawha	600	23	77.1	+ 1.5	103	11	57	9	40	6.51	+2.00	1.55	0	14	15	0	16	......	R O. Fields
Clay	Clay	706	10	......	......	......	......	......	......	......	6.30	......	2.20	0	11	......	......	......	......	Ted Thomas
Dam 6 G. K.	Kanawha	598	....	......	......	......	......	......	......	......	5.65	......	2.20	0	10	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	10	......	......	......	......	......	......	......	6.97	......	1.70	0	14	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	10	......	......	......	......	......	......	......	9.52	......	3.09	0	12	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	10	......	......	......	......	......	......	......	3.89	......	1.85	0	12	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	10	75.2	......	96	11	55	27	34	5.30	......	0.80	0	22	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	29	......	......	......	......	......	......	......	7.87	+4.01	1.60	0	17	5	3	23	......	Mrs J. R. Baber
Huntington	Cabell	538	32	75.8	+ 1.0	95	11	58	9	27	4.58	+0.74	1.88	0	13	13	6	12	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	7	......	......	......	......	......	......	......	8.53	......	1.55	0	12	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,336	10	......	......	......	......	......	......	......	6.91	......	1.44	0	12	......	......	......	......	Cabin Creek Con. Coal Co
Kermit	Mingo	579	0	......	......	......	......	......	......	......	8.14	......	1.90	0	12	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	26	72.6	+ 2.7	95	11†	51	9	35	6.61	+3.05	1.19	0	12	13	9	9	nw.	Geo. T. Argabrite
Logan	Logan	700	23	......	......	......	......	......	......	......	9.68	+6.03	1.95	0	14	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	27	67.4	+ 0.2	92	11	48	9†	36	10.56	+5.93	2.25	0	13	8	16	7	sw.	S. L. Brown
Organ Cave	Greenbrier	......	0	......	......	......	......	......	......	......	6.01	......	1.75	0	13	15	10	6	w.	J. J Hedrick
Point Pleasant	Mason	595	33	79.0	+ 4.4	102	11	55	26	42	6.13	+2.87	2.19	0	11	18	3	10	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	11	76.0	......	100	11	45	8	36	3.77	......	0.85	0	10	17	0	14	se.	Lockmaster
Robertsburg	Putnam	570	26	76.0	+ 1.6	101	11	53	8	41	4.89	+1.64	1.65	0	10	19	0	12	......	M. Frazier
Ryan	Roane	700	23	74.0	+ 0.9	98	11	50	9	38	8.57	+4.71	2.31	0	14	16	6	9	......	Wm. E. Ryan
Sharples	Logan	......	6	......	......	......	......	......	......	......	10.23	......	3.00	0	11	......	......	......	......	R. W. Howard
Sissonville	Kanawha	625	....	......	......	......	......	......	......	......	6.48	......	1.59	0	7	......	......	......	......	J. N. Johnson
Spencer	Roane	789	22	74.8	+ 2.1	98	11	52	9	37	3.98	+0.42	1.00	0	12	7	16	8	......	A. M. McKown
Sutton	Braxton	850	20	72.7	......	99	11†	45	9	40	9.36	+5.62	1.62	0	12	19	0	12	......	C. B. Eakle
Union [e]	Monroe	2,250	22	74.0	+ 3.4	100	11†	48	9	44	5.88	+2.03	1.12	0	12	10	10	6	......	W. M. H. Young
Wayne	Wayne	598	....	......	......	......	......	......	......	......	4.34	......	1.60	0	15	......	......	......	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	16	73.9[a]	+ 2.4	100[a]	10	46	26	42[a]	5.01	+1.35	1.50	0	12	19	6	6	......	H. E. Green
Averages and	extremes	......	....	74.6	+ 2.0	103	11	45	8†	44	6.69	+2.89	3.09	0	12	15	6	10	w.	
State averages and	extremes	......	....	74.0	+ 2.1	105	11	38	31	49	6.94	+3.00	3.10	0	13	13	7	11	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used i determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for August, 1926

Stations	Drainage-basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Panhandle Division																																	
Bayard‖	Potomac	.51		.26	.27	T.								1.09	.08	1.17	1.07	.82	2.70	2.63	.73	1.19	.58	.03		1.09	.63	T.			.51		15.36
Brandywine	do			T.		.15									.90	T	.25	*	*	1.00					*	2.80							5.10
Harpers Ferry ‖	do	.04						.03	.67					.25	.45	.85		.70	1.22	.90	.68	.42	.35	.04		.35	.20				.04		7.19
Inwood	do			.10					.32					1.10		.62	.04	.26	1.80	1.04	1.10	.50	.30	.05		.52	.15						7.90
Moorefield	do	.12	.24	.42		.02										.96	.05	*	*	*	2.45	.16			.28	.40							5.10
Piedmont	do			T.	.12								.08	.10	.05	.20	.61	.57	1.47	.53	1.58	.58	.08	.02	.30	.20	.02				.12		6.63
Romney ‖	do														.18	.08	1.40	.40	2.75	1.55	1.26	.40				.88							8.90
Stony River Dam‖	do	.54		.20			.22	.02	.09					.03		.35	.85	.25	1.70	1.52	1.05	1.20	.33			.66	.08				.49		9.58
Upper Tract	do		T.	T.											T.	T.	T.	.15	.30	.30	.25	.25	.10	T.		1.60							2.95
Wardensville‖	do			.30			T.		.71					T.		T.	1.40	.10	1.20	.78	1.00	.40	.02		.60	.44	.21				T.		7.16
Northern Division																																	
Aberdeen	Monongahela	.24		.50				.09						.01	.09	.41	.30	.96	1.41	.69	.68	.02			.61	.15					.17		6.33
Bens Run	Ohio	.10	.08	.40	.33										.60	.30	.30	.81	.92	.08	1.86	.85			.40								7.03
Benson	Monongahela	.02		.06	.10			.02						.06	.25	.37	1.32	.83	2.20	.31	.88	.08			1.14								7.64
Brownsville	do	.51		.70				.34						T.	.08	.47	.25	1.55	.98	.33	.81	.07			.40	.22					.05		6.76
Bruceton Mills	do	.08			.04	T.		.18						.48	.84	T.	.47	.61	1.28	.32	1.09	.44	.05		.50	T.	T.				.62		7.00
Buckhannon	do	.10	T.	.42	.14			.30							.14	.20	.45	1.30	1.20	.44	.80	.05			.40	.40					.20		6.54
Cairo	Little Kanawha		.10											.10	.29	.80	.55	.72	2.45	.41	.50	.31			1.00						T.		7.23
Clarksburg ‖	Monongahela		.04		.20									.08		.54	1.29	.38	2.72	.37	.34	.23			1.56						.24		7.99
Crawford	Little Kanawha			.46											.40	.53	.25	1.34	.84	.49	.84			1.00	.53								6.69
Creston ‖	Monongahela													.17	.47	1.10	1.97	.71	1.44	.42	.51	.17			.15	.16							7.27
Dam 10, Mon. R.‖	Ohio	.59	.04	.08	.02									.31	.03	.46	.06	.14	1.35	.53		.61			.31	.06					.69		5.46
Dam 12, O. R.‖	do		.03	.14	T.			.30							.10	1.09	.26	.15	1.37	.11	.04	.70	.10		.07	T.		.02					4.48
Dam 13, O. R.‖	Monongahela		.04	.30	.07			.02							.08	1.15	.70	2.15	.44	.14	.06	.70	.09	T.	.06	.04					.52		6.56
Dam 15, Mon. R.‖	do		.07	.03	.21			.04						.08	.06	.16	.12	.42	2.36	.81	.15	.72			.32	.08					.04		5.67
Davis ‖	do	.88		.20	.03		.43	.05	.22					1.50	.04	.54	.58	.53	1.61	1.75	.46	.48	.05	T.	.22	.34	.11	T.			.48	T.	10.50
Elizabeth (D'm 3 L. K.)	Little Kanawha			.15											.04	1.47	1.02	.90	2.50	.77	.58	.02			.31								7.76
Elkins ***	Monongahela	T.	.05	.01	.13	.02		.01					T.	.08	.10	.18	.47	1.07	2.23	.33	.91	.09	.07		.38	.43					.01		6.57
Evenwood	do	.01	.38	.29		1.32		.03					1.08		.16	.09	.14	1.30	2.01	1.90	1.51	.09			.52	.44							11.27
Fairmont ‖	do		.05	.02	.15		T.	.05						.08	.04	.20	.19	.46	2.40	.50	.50	.57			.50	.03	T.						5.74
Glenville ‖	Little Kanawha	.06			.07			T.						.05	.10	.25	.50	.40	1.10	.60	.73	T.			.35	.25							4.46
Horner	Monongahela	.32		1.00				.50							.05	.41	.40	1.40	.97	.32	.38	.06			.80	.32					.10		7.03
Horton	do	.22	T.	.78		.81							.04		.68		.24	1.05	.18	2.06	1.00	.08			.75	1.04					.05		8.98
anelew (near)	do	1.00		.50				.10						.21	.65	.90	.20	1.00	1.50	.40	1.15				.50	.30					.17		8.58
Lost Creek	do	.03		.15				.03						.18	.06	.38	1.14	1.05	2.27	.38	.64	.09			.85	.06					T.		7.31
Mannington	do	.01		.25	.01									.21	.68	.05	.21	1.84	1.25	.05	.77	.26			.33						.05		5.97
Morgantown	do	T.		T.	.30									.35	.47	T.	.16	.44	1.36	.10	.45	.11			.35						.66		4.75
Moundsville‖	Ohio	.03	.03	.32	.04										.86	.13	.60	1.17	.60	.03	.46	.44	.09		.08						.04		4.92
New Cumberland‖	do		.03	T.	.09								.01	.03	.04	1.07	1.02	.12	.26	.17		.52	2.96		.08	.05		.03			.30		6.78
New Martinsville	do	.12	.10												.60	.10	.70	.75		1.25	1.15	.35			.20								5.32
Parkersburg ***	do	.05	T.	T.		T.	.01						.06		.60	.74	.61	.52	1.00	.66	.78	.01			.69					.02			5.75
Parsons	Monongahela	.05	.05	.30	.35	.85			*				.45			*	1.20	2.00	*	1.70	*	*	*	*	*	*	*				4.20		11.15
Philippi	do	.60	T.	.84	.53			.20	.03	.01				.15	.12	.39	.50	.85	2.11	.40	.70	T.	T.		.21	.45	.02				.45		8.56
ickens	do		.15										.40		.10	.27	1.13	3.10	.83	.53	.62	T.	.10		.95	.55							8.73
oanoke	do	.05		.85				.03							T.	.63	.51	1.34	.93	.31	.37	.01			.06	.04							5.13
owlesburg ‖	do	1.01	.02		.49								.01	1.00	1.20	.44	.95	.91	1.97	1.86	.21	.79			.39	.74							12.59
aint Marys ‖	Ohio	.07	.30	.25	1.50										.15	.90	.48	.25	1.20	.67	.12	2.22			.09	.01							8.21
mithfield‖	Fishing Creek														.07	.64	.46	1.22	1.29	.14		.11			.59						.18		4.70
erra Alta	Monongahela	.17		.10		.09		.06						.13	.61	.33	.61	1.05	1.86	.46	.90	.47	T.		.41	.13		T.			.60		7.98
alley Chapel	do	.04	.01	.02	.05			.03						.17	.37	.85	.47	2.00	.79	.46	.60	.05			.78	.06					.02		6.77
andalia	do			.60												.50	.84	1.20	.07	.43	.40				.75	.48							5.27
ellsburg	Ohio	T.	.55	.16	T.		.08								.80		.95	.36	.54	.05	.03	.55	.55		.08						.83		5.53
est Milford	Monongahela	.29			.25									.30	.29	.28	.30	1.00	3.06	.50	.70					1.00							7.97
eston	do				.60									.20	.30	.40	.40	1.20	1.00	.40	1.40				.25						.10		6.25
heeling‖	Ohio		.05	.29	.06			.20							.03	1.91	.32	.75	1.06	.08	.06	.80	.14	T.	.07	T.		T.			.10		5.92
Southern Division																																	
bovale	Great Kanawha	.16		.39		.08									.29	.12	.55	.85	.73	.54	.40	.08			.35	2.12	.15				.04		6.85
ncroft ‖	do															.05	.29	.09	.30	2.23	.60				.28	.35					.32		4.51
uefield	do		.06		.06		.15	1.67							.01	.46		.04	.53	.05	.62	.02			.13		.34				.04		4.18
mden-on-Gauley‖	do														.80	1.00	1.60	1.00	1.40	.80	1.00												7.60
arleston ‖	do	.32		.05	.04			.38								.22	.34	.62	.30	1.55	.95				.30	1.10	.14				.20		6.51
y ‖	do	.12				.10										.24	.30	.70	.50	2.20	.87				.60	.53					.14		6.30
m 6 G. K. ‖	do							.38							.39		.12		.67	2.20	.72				.14	.72		.11			.20		5.65
m 19 O. R. ‖	Ohio	.16	.10	.12	T.			T.					T.	.10		.90	1.00	.50	1.70	.06	.70	.69			.90	.02					.02		6.97
m 20 O. R. ‖	do	.10	.08	.33				T.						.30		2.10	.34	.84	3.09	.24	1.80	.28				.02							9.52
m 26 O. R. ‖	do		.26	.16				.05								.25	.27	.40	.35	1.85	.10				.10	.03					.08		3.89
ry‖	Big Sandy		.10	.01	.19	.07	.54	.15						.01	.05	.03	.80	.06	.02	.55	.02	.38	.33		.47	.80	.56	.01			.05	.10	5.30
ton ‖	do		.20	.12	.03	.26	1.10								.12	.02	.78	.04	.48	.20	1.60	.90			.95	.85	.16					.06	7.87
ntington ‖	Ohio		.18		.18			.04					T.	T.	T.	.10	.46	.30	.08	.88	.44	.02	.02		.14	1.74							4.58
nawha Falls‖	Great Kanawha	.25														.15	1.40	.95	1.55	.95	.75	.03			.55	1.25	.30				.40		8.53
yford‖	do															.13	1.13	.08	.73	.37	.74	.09			1.25	1.44	.37				.20	.38	6.91
mit	Big Sandy						.26					.35			.53	.56	.66	.44	1.50	.99	.25	.25			.45	1.90							8.14
isburg	Great Kanawha	.11			T.		.25					T.			.86	1.19	.99	.19	.13	.23	1.09	.14			.71	.72							6.61
an	Guyandotte					.50							13			.42	.85	.25	1.17	.52	.25	.13			1.67	1.95	1.12				.02	.70	9.68
linton	Great Kanawha	2.24		.06											.46	1.56	.52	.48	.68	1.52	.28	.22			.24	2.25					.05		10.56
an Cave	do					.06	.07	.07							.90	.15	.20	.15	.17	.15	1.75		.30	1.52	.52								6.01
nt Pleasant ‖	Ohio	.07	.22					.02								.20	.70	.49	1.00	2.19	.74	.09			.41	T.							6.13
enswood (Dam 22	do			.14				.04							.05	.12	.60	.52	.80	.40	.85	T.			.25	T							3.77
ertsburg ‖	Great Kanawha															.37	1.10	.80	.62	1.65	.04	.05			.14	.01					.11		4.89
n	do	.03	.23	.02											2.31	.37	.63	.49	1.24	1.71	.24		.03		1.05	.19					.03		8.57
ples‖	Coal River			T.			.45	T.								.20	1.40	.30	.55	.45	.80				3.00	1.12	.48					1.48	10.23
nville ‖	Great Kanawha														.46		.54	.79	.98	1.59	1.30				.82								6.48
cer ‖	do	.12	T.	T.	T.										.13	1.00	.22	.18	.70	.85	.32	.03	T.		.30	.06						.07	3.98
on	do	.90	.18	.22											.58	.73	.37	1.20	.88	1.00	1.10				1.62	.58							9.36
n	do		.05				.04						.69		.42		.24	.12	.78	.39	1.12				1.06	.56					.41		5.88
ne‖	Big Sandy		.19					.05					.03		.24	.34	1.60	.16	.10	.15	.33	.05			.10	.86	.04				.10		4.34
e Sulpr. Spgs ‖	Great Kanawha	.05				.02	.02							1.05		.50		.15	.22	1.50	.20			.35	.55	.40							5.01
iamson ‖	Big Sandy				.40		.43	.09					.20			.06	1.01	.30	.50	.50	.70	.10			1.70	1.20							+++

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete.

Daily Temperatures for August, 1926

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	86	88	85	87	85	88	83	....	....	....	95	93	87	86	81	79	72	72	71	62	64	75	83	79	71	75	79	85	84	80	76	80.4
	Minimum	59	59	56	63	57	53	59	....	41	....	....	57	56	61	65	62	65	61	60	55	51	56	55	57	56	43	51	44	61	59	38	55.7
Brandywine	Maximum	91	92	88	87	85	88	85	86	85	90	92	95	96	94	87	90	88	82	80	84	85	87	85	84	82	84	85	90	95	82	81	87.3
	Minimum	66	67	64	60	62	63	58	55	50	58	60	60	64	67	65	65	66	64	65	60	61	54	56	60	61	57	59	64	52	65	54	60.7
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Inwood	Maximum	90	95	96	93	93	91	92	85	90	96	102	98	94	95	74	84	76	71	63	62	62	69	77	77	71	81	83	86	93	83	....	84.1
	Minimum	68	71	74	71	65	63	67	61	54	61	65	71	69	72	69	69	71	66	63	59	57	59	59	63	65	56	60	58	67	71	54	64.5
Martinsburg§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Moorfield	Maximum	93	96	90	95	91	95	94	86	89	94	100	103	101	100	88	93	....	....	....	....	67	82	87	94	91	....	....	....	98	90	85	91.8
	Minimum	70	70	70	69	69	64	70	60	52	60	60	68	69	69	68	69	....	....	....	....	58	65	66	66	57	....	....	....	58	67	51	64.4
Piedmont	Maximum	89	92	89	89	87	92	84	81	85	91	96	89	90	91	69	75	72	69	67	64	59	65	79	74	70	79	82	87	88	80	80	80.8
	Minimum	64	69	68	69	65	64	67	61	50	57	62	66	65	69	66	68	69	67	61	59	57	57	64	65	62	53	56	53	68	65	57	62.8
Romney	Maximum	96	98	96	95	87	96	92	86	98	..	105	102	98	99	73	88	74	72	65	64	71	84	....	85	70	....	90	93	81	....	....	86.8
	Minimum	69	67	71	68	66	62	64	62	49	57	....	61	70	65	69	67	69	66	63	58	56	58	65	....	63	57	....	53	65	67	....	63.3
Upper Tract	Maximum	84	87	80	82	....	85	80	80	79	....	97	96	96	89	80	78	73	72	73	....	....	78	78	....	78	68	69	....	80	78	....	80.8
	Minimum	58	67	67	65	....	60	67	65	50	....	61	60	60	58	59	66	65	65	64	....	....	55	56	....	61	51	52	....	54	53	....	60.0
Wardensville§	Maximum	90	92	92	92	94	89	89	82	89	94	99	100	101	95	86	89	85	80	65	62	70	70	81	80	77	80	88	86	92	83	....	85.7
	Minimum	....	63	69	62	63	61	65	63	48	56	57	64	65	66	66	59	64	61	60	57	56	56	63	60	61	51	53	50	51	64	46	59.3
Northern Division																																	
Bens Run	Maximum	91	90	87	90	91	92	85	83	85	90	91	94	94	89	79	81	77	76	75	81	86	89	90	79	76	81	86	86	90	82	81	85.4
	Minimum	71	70	70	69	72	69	70	60	57	57	62	78	72	70	69	70	69	68	69	61	65	65	66	58	62	57	57	61	66	67	54	65.5
Buckhannon	Maximum	88	85	81	83	84	85	86	75	79	84	90	88	86	86	78	80	75	73	75	76	80	82	82	78	70	72	77	82	80	77	74	80.3
	Minimum	68	65	67	67	66	64	69	59	63	58	62	68	63	70	69	69	69	67	69	66	63	62	64	66	62	53	56	55	69	66	52	64.0
Cairo	Maximum	88	88	91	90	91	93	84	82	85	89	98	95	94	91	88	79	77	74	74	87	86	88	87	78	75	80	85	88	90	81	75	85.5
	Minimum	67	65	72	70	72	65	65	55	52	55	62	69	69	68	70	69	70	69	67	65	64	64	60	66	63	54	60	60	66	67	50	64.2
Clarksburg §	Maximum	95	94	89	92	93	94	84	81	86	93	100	97	94	94	82	75	79	75	74	77	88	90	90	78	72	79	82	87	88	81	81	86.0
	Minimum	68	65	70	69	68	65	70	56	52	56	72	69	69	68	70	69	70	68	69	65	64	61	63	65	63	56	59	58	63	65	51	64.4
Creston	Maximum	90	93	92	90	91	93	88	83	90	92	103	97	91	86	83	77	75	74	73	82	88	85	89	83	77	79	87	88	86	84	83	86.3
	Minimum	70	67	69	68	67	67	56	57	53	58	62	69	70	70	68	69	69	69	67	66	65	66	64	60	64	56	57	58	62	66	53	63.9
Elkins	Maximum	87	86	82	83	81	87	79	73	80	85	93	91	88	86	80	80	74	72	72	70	79	82	84	74	63	74	77	83	83	75	75	79.9
	Minimum	65	65	66	67	63	61	65	56	51	56	59	63	64	67	68	66	66	66	64	63	60	60	60	62	55	54	56	56	61	56	52	61.1
Fairmont§	Maximum	93	92	91	93	90	93	86	89	86	91	99	98	92	91	76	75	69	72	72	71	82	87	88	74	70	80	85	88	89	81	80	84.8
	Minimum	69	69	71	69	70	65	69	58	52	56	65	71	70	70	69	67	65	67	67	62	61	61	62	64	62	56	61	58	65	66	56	64.3
Glenville	Maximum	90	92	90	92	94	96	94	83	90	91	103	101	98	95	88	86	75	76	77	82	92	92	92	90	80	84	90	93	94	93	90	89.8
	Minimum	69	65	68	68	66	64	67	56	54	56	62	68	69	70	69	69	68	69	69	69	69	64	71	72	68	....	....	....	66	68	52	65.9
Grafton(near)§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lost Creek	Maximum	92	91	86	90	89	93	83	81	87	89	99	95	93	88	81	77	75	74	73	80	88	90	91	79	72	80	85	88	89	82	83	85.3
	Minimum	64	63	66	66	64	61	66	51	47	50	56	66	65	65	65	64	69	67	68	65	63	61	60	65	62	55	58	55	64	63	50	61.4
Mannington	Maximum	92	88	86	88	87	90	85	80	83	90	95	92	89	89	78	77	77	75	74	75	80	84	84	77	72	75	81	83	86	79	75	82.8
	Minimum	68	64	68	69	69	64	69	57	48	52	60	67	67	66	68	69	67	68	67	63	62	60	60	65	62	53	57	55	61	66	47	62.5
Morgantown	Maximum	92	92	88	90	92	94	88	83	85	94	100	97	92	92	76	78	75	75	76	71	78	87	89	82	72	78	83	87	90	82	79	85.1
	Minimum	70	70	71	70	69	67	71	59	61	58	64	70	70	69	66	69	66	66	66	61	59	62	62	64	60	53	62	55	68	63	50	64.2
New Cumberland§	Maximum	94	92	91	91	91	91	83	82	88	92	88	92	96	85	91	85	81	80	81	67	80	85	88	78	74	81	84	90	91	89	78	85.8
	Minimum	65	69	70	66	67	65	68	63	50	53	64	70	71	70	71	68	71	68	65	64	60	60	62	65	57	50	53	55	56	60	48	62.7
New Martinsville	Maximum	94	90	89	93	93	93	92	84	90	91	100	96	95	91	81	83	80	80	89	82	90	90	91	80	77	82	87	91	91	89	85	88.1
	Minimum	67	62	66	66	68	65	65	55	52	53	61	69	67	66	65	67	65	65	62	62	60	59	59	64	59	52	56	55	62	62	51	61.5
Parkersburg	Maximum	85	90	88	91	90	93	81	79	82	89	98	92	93	91	83	81	74	75	73	85	86	89	90	78	76	80	85	90	91	80	76	85.0
	Minimum	74	73	74	72	70	70	68	64	59	62	68	74	73	71	70	72	70	68	63	68	68	69	64	68	63	58	65	61	68	64	58	67.5
Parsons	Maximum	84	87	90	88	84	90	90	82	82	87	97	93	90	88	83	84	80	79	74	....	....	....	....	....	....	....	....	....	....	....	....	85.9
	Minimum	64	64	64	66	64	61	62	65	58	58	57	64	65	68	65	66	65	65	64	....	....	....	....	....	....	....	....	....	....	....	....	63.4
Philippi	Maximum	88	88	83	84	88	90	86	76	82	87	95	92	89	85	80	76	77	73	73	74	84	83	86	75	77	79	82	85	84	76	80	82.5
	Minimum	70	69	68	69	68	66	68	58	54	58	64	71	69	69	67	67	67	66	67	63	61	63	62	58	55	51	57	55	65	64	50	63.2
Pickens	Maximum	87	85	83	84	85	90	80	76	84	57	93	92	89	85	79	82	72	79	72	78	83	80	85	75	64	77	78	84	85	80	78	81.7
	Minimum	60	61	63	55	55	56	60	49	42	53	56	60	61	62	62	62	62	61	62	59	57	53	54	59	54	45	50	50	57	62	48	56.5
Terra Alta	Maximum	83	82	81	81	80	84	80	79	77	83	87	86	82	81	71	79	70	71	69	60	64	71	80	74	66	71	75	79	80	75	72	76.5
	Minimum	64	58	65	65	60	55	63	56	42	49	56	60	64	66	65	64	62	63	60	55	54	56	60	58	59	50	57	46	65	61	41	58.1
Wellsburg	Maximum	91	92	90	91	93	91	86	87	85	91	100	94	92	87	80	82	80	83	75	71	81	87	89	79	74	81	86	89	90	83	78	85.8
	Minimum	68	66	68	65	65	64	68	64	58	46	60	68	67	69	64	68	68	67	63	63	60	59	66	65	57	50	59	51	65	62	48	62.3
Weston	Maximum	90	91	88	90	90	85	85	75	85	91	99	96	92	88	75	84	75	71	75	79	85	89	86	82	80	78	82	85	86	80	80	84.4
	Minimum	70	69	69	70	65	68	70	59	51	69	62	70	70	70	70	65	68	69	69	68	64	70	65	65	62	69	59	65	65	65	49	65.8
Wheeling§	Maximum	96	93	92	97	95	95	89	88	91	94	103	97	95	93	82	83	76	74	83	74	86	94	95	84	78	86	90	94	88	88	88	89.0
	Minimum	65	70	68	73	61	66	67	59	51	53	62	71	68	70	70	66	65	63	65	64	60	60	62	65	57	59	67	55	62	49	50	62.4
Southern Division																																	
Bluefield	Maximum	....	85	82	82	81	83	87	....	85	87	99	89	87	86	86	83	83	79	80	85	75	....	83	78	79	77	76	78	84	86	82	83.0
	Minimum	....	65	61	63	62	61	56	....	52	55	61	65	64	64	69	64	64	65	65	65	57	....	42	44	47	54	50	46	44	42	43	56.8
Charleston	Maximum	90	91	88	91	94	96	87	84	88	96	103	97	96	95	84	84	80	80	75	88	90	92	92	80	80	82	86	91	90	88	86	88.6
	Minimum	68	68	69	68	69	65	66	60	57	58	63	66	69	70	69	70	70	70	70	70	68	67	64	65	66	58	58	60	66	67	60	65.6
Gary §	Maximum	87	90	85	86	87	90	82	80	86	91	96	92	94	91	85	89	85	81	85	85	88	87	85	78	72	81	82	88	87	83	82	85.9
	Minimum	66	65	67	67	67	61	63	59	56	59	62	68	67	65	69	67	68	69	69	69	63	67	66	65	67	58	55	57	63	67	65	64.6
Huntington §	Maximum	83	87	85	85	88	90	82	80	83	90	95	91	91	90	83	81	78	79	76	76	86	86	86	79	74	77	83	85	87	82	79	83.8
	Minimum	73	71	72	70	71	71	64	62	58	63	69	71	68	68	71	71	71	72	72	72	70	70	65	68	63	60	61	64	65	70	61	67.7
Lewisburg	Maximum	84	89	85	85	89	89	83	78	85	90	95	95	93	89	81	85	79	79	82	72	76	80	81	77	73	76	78	83	85	79	79	83.0
	Minimum	65	63	65	63	62	61	66	55	51	60	60	65	64	65	66	69	67	67	68	64	59	63	63	63	61	53	52	62	59	67	62	62.3
Marlinton	Maximum	78	82	80	82	80	86	78	74	80	84	92	88	88	90	76	78	72	70	70	64	72	76	76	74	64	70	74	78	80	76	76	77.7
	Minimum	60	62	62	60	56	60	56	50	48	56	56	60	62	62	62	60	58	62	61	58	54	58	60	58	56	50	48	52	52	60	52	57.2
Point Pleasant	Maximum	85	92	92	95	98	99	98	89	98	99	102	101	98	98	90	85	89	80	82	80	85	90	91	97	98	97	94	90	95	98	90	92.8
	Minimum	70	68	67	65	70	70	69	59	57	60	65	70	70	70	69	68	70	69	66	65	69	69	68	56	58	55	67	56	64	65	60	65.3
Ravenswood	Maximum	85	89	87	91	92	92	89	81	84	90	100	98	94	93	90	85	75	75	86	86	86	85	89	91	90	89	86	85	90	86	81	87.7
	Minimum	72	70	70	68	67	68	66	45	53	59	65	71	70	71	67	71	70	70	65	67	68	66	61	67	65	55	55	56	57	65	53	64.4
Robertsburg§	Maximum	87	91	85	90	94	96	90	90	92	94	101	97	96	92	88	79	79	75	80	89	86	89	94	80	86	85	85	90	90	80	85	88.
	Minimum	66	66	66	66	66	65	60	53	60	58	60	65	68	68	65	68	69	68	67	65	68	66	61	66	62	64	57	56	60	64	56	63.7
Ryan	Maximum	89	90	89	89	90	93	85	80	80	93	98	95	95	90	78	80	78	74	75	85	85	90	89	78	72	78	84	87	88	82	82	85.
	Minimum	67	65	65	66	65	62	65	53	59	55	63	66	65	68	65	67	65	68	66	66	66	64	59	66	61	55	54	57	61	66	54	62.
Spencer §	Maximum	87	90	90	85	89	93	87	82	87	90	98	95	95	88	86	79	79	73	75	76	83	89	88	85	74	79	84	88	87	81	81	85.
	Minimum	69	69	70	68	65	61	63	56	52	56	61	67	69	70	68	69	69	69	69	69	68	61	61	62	64	56	57	58	60	68	56	64.
Sutton	Maximum	78	85	85	89	90	96	96	87	85	91	99	93	95	95	90	89	76	73	80	81	90	91	91	90	75	80	85	91	91	89	81	87.
	Minimum	52	51	58	60	63	62	60	55	45	57	60	61	62	65	61	60	62	60	62	60	55	59	56	54	60	51	53	56	57	59	54	57.
Union	Maximum	....	90	92	89	91	93	92	....	99	97	100	103	96	95	....	93	88	80	86	78	73	....	86	85	76	81	83	90	....	90	80	88.
	Minimum	....	61	61	63	60	59	73	....	48	59	56	63	62	61	....	62	61	61	66	55	57	....	60	61	60	52	49	51	....	55	61	59.
White Sulphur Spgs§	Maximum	92	90	90	92	90	89	85	90	95	100	98	99	94	87	91	81	80	85	78	80	84	85	80	74	80	80	87	89	82	84	....	87.
	Minimum	65	65	63	63	61	63	54	50	58	58	63	63	66	66	65	64	65	68	64	59	60	51	63	65	50	46	57	59	63	62	53	60.
Williamson§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(W B O, Cleveland, 10-23-26—830)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXIV PARKERSBURG, W. VA., SEPTEMBER, 1926 No. 9

GENERAL SUMMARY

September averaged warm and wet. The maximum temperatures, however, were well within previous September records, the month being characterized by nearly continuously warm weather. From the 14th to the 25th the temperature was continuously and considerably above the normal. Although the month was warm, the average temperature was more than 2° lower than for September, 1925. The average rainfall, 5.35 inches, was exceeded in only one September of State record. The average for September in 1925 was 5.96 inches. Over the northern portion of the State the rainfall generally ranged from near 6 inches to more than 10 inches, the greatest amounts, 10.07, 10.26 and 10.57 inches being measured at Wheeling, Pickins, and New Cumberland, respectively. The previous greatest September rainfall for any station was 9.18 inches. This record was broken by six stations during the month under consideration. Owing to the continued wet weather much grain was damaged or destroyed in the shock. Considerable corn was also damaged on low bottoms by marked rises in the smaller streams and rivers. Some loss also occurred along the Ohio River. The conditions were decidedly unfavorable for outdoor work. Meadows and pastures, however, were improved by the warm and wet weather.

TEMPERATURE

The monthly mean for the State, determined from 45 stations, was 68.6°. The departure from the normal for 34 stations having ten or more years of record was +3.0°. The temperature averaged near or slightly below the normal on the 1st, 7th and 10-13th, and considerably below from the 26th to the 30th, with the lowest readings occurring generally on the 11th, 26th and 27th. Warm weather prevailed from the 4th to the 6th and the 14th to the 25th, the highest temperatures being noted generally on the 4th and 5th.

PRECIPITATION

The average precipitation for the State, determined from 80 stations, was 5.35 inches. The departure from the normal for 48 stations having ten or more years of record was +2.41 inches. Showers occurred quite generally daily during the first week, being heavy in localities on the 2d and 5-6th. Scattered and generally light showers fell on the 9-10th and 15-16th, and moderately heavy showers on the 20th-21st. Showers occurred daily in most localities from the 23d to the close of the month, being heavy in the northern counties from the 21st to the 24th, inclusive.

LIGHT HAIL

Light hail occurred at Camden-onGauley on the 23d and 29th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 7th, 12th, 15th, 17th, 20th, 21st. 23d, and 25; Bancroft, 8th, 11th, 12th, 17th, 18th, 20th, and 22d; Elkins, 1st, 8th, 11th, 12th, 17th, 18th, 20th, and 21st; Marlinton, 1st. 7th, 10th to the 13th, 16th to the 19th, and 24th and 28th; Morgantown, 17th and 18th; New Cumberland, 18th and 20th; Parkersburg, 17th, 18th, and 20th; Philippi, 16th; Terra Alta, 3d, 5th, 19th, and 20th; Wellsburg, 18th; Wheeling, 8th, 11th, 18th, 20th, 29th, and 30th.

Frost, light: Davis and Terra Alta, 11th.

Halos, lunar: Bayard, 12th, 13th, and 19th.

Thunderstorms (dates and number of stations reporting): 1st, 4; 2d, 9; 3d, 1; 4th, 5; 5th, 13; 6th, 12; 7th, 3; 9th, 5; 10th, 1; 15th, 2; 16th, 2; 18th, 1; 20th, 8; 21st, 12; 22d, 8; 23d, 16; 24th, 7; 25th, 15; 26th, 3; 29th, 1; 30th, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity Miles per hour	Max. velocity Direction	Max. velocity Date
Cincinnati, Ohio	30.08	89	69	79	177.6	48	3,859	5.4	30	sw.	4
Columbus, Ohio	30.09	88	68	77	166.3	45	5,512	7.7	36	nw	15
Elkins	30.11	93	65	90	186.7	50	2,398	3.3	31	w.	6
Lexington, Ky	30.07	85	70	.....	214.1	57	7,973	11.1	50	ne.	2
Parkersburg	30.10	83	64	83	169.4	45	2,915	4.0	26	nw.	25
Pittsburgh, Pa	30.10	86	70	79	181.8	49	6,103	8.5	32	sw.	5
Wytheville, Va	30.09	92	66	83	174.0	47	2,827	3.9	19	nw.	9

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	66.8	......	......	1.66	......	......	......	......	......	......
1892	64.4	92	32	2.57	......	......	......	......	......	......
1893	65.0	91	29	2.28	4.50	1.05	......	......	......	......
1894	67.8	98	31	2.50	4.75	1.25	......	......	......	......
1895	70.3	107	29	1.70	4.25	0.42	......	12	11	7
1896	65.2	95	22	4.59	9.04	1.58	......	17	8	5
1897	66.4	103	27	1.14	4.00	0.02	......	14	9	7
1898	67.6	97	33	2.42	4.75	0.80	......	22	6	2
1899	64.0	100	26	3.65	6.35	1.65	......	16	10	4
1900	71.1	100	35	1.92	5.50	0.34	......	14	9	7
1901	64.8	95	27	8.35	7.64	1.46	......	14	10	6
1902	64.8	98	25	2.98	4.81	1.23	......	13	8	9
1903	64.7	97	25	1.30	2.78	0.10	......	12	9	9
1904	67.0	95	25	1.76	4.55	0.53	......	21	6	3
1905	65.6	97	29	2.21	4.21	0.54	......	16	10	4
1906	69.9	97	38	3.25	5.44	0.57	......	18	8	4
1907	66.3	93	30	4.41	7.10	2.00	......	12	10	8
1908	65.9	99	24	0.95	2.54	0.26	......	12	10	8
1909	63.7	95	28	2.74	8.75	0.63	......	21	6	3
1910	68.4	97	32	3.50	6.04	0.50	......	15	9	6
1911	68.8	100	32	4.67	8.30	1.80	......	12	11	7
1912	68.6	98	30	3.85	9.18	1.13	......	12	11	7
1913	64.2	100	25	2.88	6.38	0.86	......	17	7	6
1914	63.2	97	24	1.58	5.65	0.17	......	14	7	9
1915	67.6	100	31	3.84	7.18	2.00	......	18	6	6
1916	63.0	99	27	3.71	7.88	1.01	......	16	8	6
1917	62.4	98	28	2.79	6.62	1.16	......	18	6	6
1918	60.5	93	24	2.92	4.73	1.37	T.	17	7	6
1919	66.0	98	31	2.11	4.37	0.12	T.	15	7	8
1920	66.7	96	34	3.14	5.38	1.34	......	18	7	5
1921	70.9	97	39	4.76	9.07	1.65	......	16	7	7
1922	67.2	100	25	2.14	5.64	0.10	......	12	10	8
1923	66.5	96	29	3.31	5.36	1.00	......	21	5	4
1924	60.7	100	26	5.96	8.97	2.80	......	16	8	6
1925	70.9	102	34	2.29	5.89	0.50	T.	11	7	12
1926	68.6	98	31	5.35	10.57	1.44	......	14	9	7
							......	10	8	12
Means and extremes	66.3	107	22	2.95	10.57	0.02	T.	15	8	7

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., September, 1926

See temperature and precipitation data in Climatological Tables, Pages 34, 35, and 36

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
larksburg	Evaporation	.180	.080	.090	.110	.208	.261	.189	.133	.155	.156	.176	.118	.155	.095	.100	.120	.150	.085	.107	.244	.009	.100	.110	.050	.070	.070	.040	.030	.010	.062	....	3.463
	Wind movement	20	20	30	10	40	13	24	17	17	52	28	11	18	45	19	19	29	18	7	10	30	10	24	1	3	101	51	30	18	20	....	735

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for September, 1926

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	25	63.0	+ 3.0	86	23	36	1†	44	8.73	+5.31	1.53	0	16	11	7	12	sw.	U. G. Clark
Brandywine	Pendleton	1,586	10	67.2	......	91	9	44	27	35	2.10	−0.53	0.65	0	5	13	1	16	sw.	Elmer Keister
Burlington	Mineral	875	32	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	37	......	......	......	......	......	......	......	3.69	+0.80	0.57	0	13	......	......	......	......	J. C. Newcomer
Inwood	Berkeley	569	4	66.3[a]	......	89[a]	25	43	27	34[a]	4.40	......	0.81	0	14	8	7	15	nw.	L. E. Dills
Martinsburg	Berkeley	435	34	66.8[a]	+ 0.7	91[a]	25	42	27	37[a]	5.78	+2.91	2.60	0	14	16	10	4	w.	Dr. H. S. Gardner
Moorefield[b]	Hardy	900	30	70.4	+ 3.7	94	9	43	1	44	3.69	+1.13	1.17	0	9	17	1	10	......	M. S. Henkel
Piedmont	Mineral	1,053	13	66.0	......	86	6	44	27	33	4.28	+1.92	1.33	0	13	9	7	14	se.	C. A. Suter, Jr.
Romney ††	Hampshire	824	28	67.6[f]	......	91[f]	5†	42[e]	27	41[i]	4.66	......	2.31	0	6	10[c]	3[c]	14[c]	......	George E. Bergdoll
Stony River Dam	Grant	3,300	6	......	......	......	......	......	......	......	4.01	......	0.70	0	13	1	12	17	w.	A. C. Becker
Upper Tract	Pendleton	1,230	27	63.1[g]	......	82[g]	16†	44[g]	28	31[g]	3.45	+1.13	2.90	0	3	14[a]	0[a]	15[a]	w.	J. M. Mallow
Wardensville	Hardy	1,200	8	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Luther F. Sutton
Averages and	extremes	......	....	66.1	+ 2.5	94	9	36	1†	44	4.46	+1.81	2.90	0	11	11	6	13	w.	
Northern Division																				
Aberdeen	Upshur	1,060	2	......	......	......	......	......	......	......	6.48	......	1.15	0	16	7	15	8	nw.	L. Else Bond
Bens Run	Pleasants	652	24	71.0	+ 2.7	91	4	46	26	37	5.57	+3.22	1.77	0	12	11	15	4	......	J. D. Riggs
Benson	Harrison	1,080	3	68.8	......	87	4†	40	11	40	7.18	......	1.20	0	18	9	13	8	......	R. D Marts
Brownsville	Lewis	1,032	3	70.4	......	90	5	45	11†	38	5.72	......	1.43	0	19	9	17	4	......	George M. Myers
Bruceton Mills	Preston	1,549	6	......	......	......	......	......	......	......	9.34	+5.82	3.09	0	13	4	14	12	ne.	W. M. Wolf
Buckhannon	Upshur	1,411	29	67.5	+ 3.5	84	5	45	11	29	6.33	+3.20	2.00	0	15	13	8	9	......	H. A. Darnall
Cairo	Ritchie	680	27	69.8	+ 1.9	90	4	43	11	37	6.70	+4.09	1.45	0	12	10	9	11	......	O. C. Hess
Clarksburg	Harrison	1,015	4	69.4	......	90	4	45	27	39	8.46	......	2.26	0	15	11	9	10	ne.	Clarksburg Water Board
Cortland	Tucker	3,300	15	......	......	......	......	......	......	......	5.33	+1.85	1.60	0	12	10[c]	4[c]	13[c]	......	G. W. Harmon
Crawford	Lewis	1,107	3	......	......	......	......	......	......	......	7.02	......	2.02	0	14	13	11	6	w.	George W. Blair
Croston	Wirt	640	24	71.0	+ 3.8	90	4†	45	11	37	4.07	+1.49	0.80	0	13	8	3	19	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	5	......	......	......	......	......	......	......	7.69	......	2.93	0	14	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	10	......	......	......	......	......	......	......	8.44	......	2.10	0	12	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	10	......	......	......	......	......	......	......	8.71	......	2.02	0	14	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	5	......	......	......	......	......	......	......	6.49	......	1.42	0	16	......	......	......	......	Lockmaster
Davis	Tucker	3,093	17	......	......	......	......	......	......	......	5.93	+2.16	1.14	0	15	9	6	15	......	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt ††	615	14	......	......	......	......	......	......	......	5.68	......	1.06	0	14	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	25	66.4	+ 3.4	86	5	45	11	33	5.00	+2.13	0.87	0	18	4	13	13	nw.	U. S. Weather Bureau
Evenwood	Randolph	3,240	1	......	......	......	......	......	......	......	6.79	......	1.09	0	15	0	12	18	......	Claude A. Cunningham
Fairmont	Marion	883	20	69.8	+ 3.2	91	5†	43	26†	43	5.93	+3.09	1.53	0	11	12	7	11	w.	J. C. Robinson
Glenville	Gilmer	738	32	70.2	+ 2.5	95	20	43	27	39	6.43	+3.16	1.88	0	14	9	12	9	w.	Howard R. Brannon
Horner	Lewis	1,044	3	......	......	......	......	......	......	......	5.59	......	1.30	0	16	15	3	12	......	Thomas E. Miles
Horton	Randolph	2,840	1	......	......	......	......	......	......	......	4.39	......	0.96	0	12	5	9	16	sw.	J. W. White
Janelew (near)	Lewis	1,020	3	69.6	......	89	4†	44	11†	40	6.18	......	1.65	0	12	19	5	6	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	28	70.2	+ 5.3	91	4	43	11	43	6.34	+3.56	1.69	0	15	9	10	11	w.	Allen Smith
Mannington	Marion	985	23	67.2	+ 2.6	86	5	42	11	35	9.16	+5.99	2.65	0	18	10	4	16	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	33	68.5	+ 1.3	87	5†	44	26†	35	7.54	+4.48	2.35	0	12	5	14	11	s.	Prof. E. L. Andrews
Moundsville	Marshall	689	23	69.7	+ 2.8	90	4	44	26†	36	9.27	+6.76	2.25	0	14	7	12	11	sw.	U. S Signal Corps
New Cumberland	Hancock	671	28	67.0	+ 2.1	91	22	38	28	38	10.57	+8.04	3.44	0	14	15	1	14	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	32	69.8	+ 3.4	92	4	42	26†	44	6.05	+3.40	2.00	0	15	12	8	10	s.	Wm. Ankrom
Parkersburg	Wood	638	39	70.2	+ 2.9	90	4	48	26	33	5.41	+2.69	1.61	0	14	6	9	15	n.	U. S. Weather Bureau
Parsons	Tucker	1,649	26	......	......	......	......	......	......	......	7.50	+4.38	1.64	0	13	14	12	4	......	J. W. Swisher
Philippi	Barbour	1,550	29	68.8	+ 3.5	85	4	44	11	37	6.70	+3.04	2.05	0	17	9	8	13	w.	Prof W. B Pimm
Pickens	Randolph	2,697	23	64.6[a]	+ 3.0	84[a]	8	39[a]	26	38[a]	10.26	+6.33	1.90	0	14	12	9	9	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	3	......	......	......	......	......	......	......	6.87	......	1.31	0	16	10	9	11	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	39	......	......	......	......	......	......	......	6.63	+3.56	1.55	0	14	......	......	......	......	J. F. Pierce
Saint Marys	Pleasants	577	17	......	......	......	......	......	......	......	4.50	+2.00	0.94	0	13	......	......	......	......	Wm. Hughes
Smithfield	Wetzel	850	20	69.6	+ 5.1	96	18	43	11	40	4.80	+1.61	2.00	0	12	14	6	10	......	G. M. Whisler
Terra Alta	Preston	2,559	25	62.2	0	81	5	31	11	42	6.62	+2.99	1.56	0	19	6	8	16	sw.	J. J. Shanahan, E. M.
Valley Chapel ††	Lewis	1,011	3	69.4	......	90	5	44	11	37	6.60	......	1.16	0	17	15	4	11	w.	J. C. Campbell
Wellsburg	Brooke	668	25	66.8	+ 2.6	89	4	41	26	37	9.33	+6.53	2.18	0	11	10	9	11	......	George P. Pfister
West Milford	Harrison	979	1	......	......	......	......	......	......	......	6.01	......	0.80	0	19	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	30	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Weston State Hospital
Wheeling	Ohio	645	39	69.0	+ 2.3	94	22	41	26	40	10.07	+7.57	2.35	0	13	11	3	16	se.	Miss M. B. Forsyth
Woodlands	Marshall	......	....	......	......	......	......	......	......	......	8.66	......	2.00	0	16	9[a]	11[a]	9[a]	se.	R. W. Rist
Averages and	extremes	......	....	68.6	+ 2.9	96	18	31	11	44	6.95	+3.97	3.44	0	14	10	9	11	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	....	......	......	......	......	......	......	......	3.00	......	0.47	0	13	10	12	8	sw.	H. S. Sutton
Bancroft	Putnam	574	22	72.8	+ 4.5	92	4	48	27	39	4.98	+2.19	1.97	0	13	17	0	13	ne.	R. E. Dent
Bluefield[c]	Mercer	2 558	31	68.6	+ 2.9	84	9†	41	1	41	1.44	−1.22	0.27	0	11	5	17	3	......	Norfolk & Western R
Camden-on-Gauley	Webster	2,029	11	......	......	......	......	......	......	......	4.04	......	1.00	0	5	18	0	12	s.	Miss Katie Jarvis
Charleston	Kanawha	600	23	72.1	+ 2.0	92	5	50	27†	37	2.78	−0.35	1.10	0	8	10	0	20	......	R. O. Fields
Clay	Clay	706	10	......	......	......	......	......	......	......	3.32	......	0.80	0	12	......	......	......	......	Ted Thomas
Dam 6 G. K.	Kanawha	598	....	......	......	......	......	......	......	......	2.70	......	1.14	0	10	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	10	......	......	......	......	......	......	......	7.29	......	2.82	0	13	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	10	......	......	......	......	......	......	......	4.30	......	0.95	0	12	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	10	......	......	......	......	......	......	......	2.85	......	0.65	0	10	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	10	72.2	......	90	5	55	26	28	2.48	−0.97	0.57	0	12	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	29	......	......	......	......	......	......	......	1.72	−1.04	0.43	0	11	......	......	......	......	Mrs J. R. Baber
Huntington	Cabell	538	32	70.6	+ 2.4	88	5	50	26†	30	2.14	−0.58	0.44	0	12	8	7	15	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	7	......	......	......	......	......	......	......	3.83	......	1.35	0	9	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,336	10	......	......	......	......	......	......	......	3.89	......	0.90	0	14	......	......	......	......	Cabin Creek Con. Coal
Kermit	Mingo	579	0	......	......	......	......	......	......	......	3.52	......	0.95	0	8	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	26	68.2	+ 4.1	86	9	50	27	28	2.09	−0.74	0.49	0	10	8	5	17	s.	Geo. T. Argabrite
Logan	Logan	700	23	......	......	......	......	......	......	......	2.89	−0.10	0.56	0	10	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	27	63.0	+ 1.6	78	3†	42	16†	36	3.00	−0.11	0.45	0	10	4	18	8	sw.	S. L. Brown
Organ Cave	Greenbrier	......	0	......	......	......	......	......	......	......	1.88	......	0.32	0	12	13	6	11	w.	J. J. Hedrick
Point Pleasant	Mason	595	33	73.5	+ 4.3	98	6†	41	27	40	2.25	−0.27	0.90	0	13	12	2	16	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	581	11	71.4	......	90	4	45	26	37	3.26	......	0.99	0	10	13	0	17	ne.	Lockmaster
Robertsburg	Putnam	570	26	70.0	+ 1.9	92	4	45	26†	39	3.25	+0.94	0.64	0	11	18	0	12	......	M. Frazier
Ryan	Roane	709	23	70.0	+ 3.7	89	5	44	11	38	4.04	+1.25	0.74	0	14	10	7	13	......	Wm. E. Ryan
Sharples	Logan	......	6	......	......	......	......	......	......	......	4.02	......	0.78	0	11	......	......	......	......	R. W. Howard
Sissonville	Kanawha	625	....	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. N. Johnson
Spencer††	Roane	789	22	70.3	+ 4.4	88	4†	42	27	32	3.01	+0.07	0.74	0	10	5	17	8	......	A. M. McKown
Sutton	Braxton	850	20	66.8	......	93	4†	45	14	39	5.93	+2.77	1.62	0	11	18	0	12	......	C. B. Eakle
Union[d]	Monroe	2,250	22	69.9	+ 4.8	90	10†	47	27	40	2.21	−0.39	0.96	0	10	7	14	5	......	W. M. H. Young
Wayne	Wayne	598	....	......	......	......	......	......	......	......	5.23	......	1.01	0	13	......	......	......	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	16	68.8	+ 4.4	90	8	50	26	34	1.71	−1.42	0.32	0	12	14	4	12	......	H. E. Green
Averages and	extremes	......	....	69.8	+ 3.3	98	6†	41	1	41	3.31	0	2.82	0	11	12	6	12	sw.	
State averages and	extremes	......	....	68.6	+ 3.0	98	6†	31	11	44	5.35	+2.41	3.44	0	13	10	8	12	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, a, b, c appearing in the table indicate number of missing days; for example, b represents two days, etc.

Daily Precipitation for September, 1926

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard⦀	Potomac			1.11	.56	.12	T.		.93	.05	.96											1.21	.03	.09	1.09	.59	1.53	.04	.11	.19	.11		8.73
Brandywine	...do	T.				.50	.20															T.		.65		.60			T.	T.	.25		2.10
Harpers Ferry⦀	...do		.09	.25	.11	.07	.57	.44			.51											.32			.47		.57		.03	.25	.01		3.69
Inwood	...do		.22	.21	.22	.43	.41	.51			.05								.14			.51			.57		.81		.01	.22	.03		4.40
Martinsburg⦀	...do		.30	.20	.18	.26	.40	.26			.22								.08			.43			2.60	.08	.50		.65	.27			5.75
Moorefield	...do		.18	.15	.36		.74				.25													1.17	.11		.52				.21		3.69
Piedmont	...do		.79		.59	.18	.25														.06	.25		1.33	.04	.43		.12	.19	.01	.04		4.28
Romney⦀	...do		.25	.85	.10		.75																	2.31		.40							4.66
Stony River Dam⦀	...do		.22	.43	.70	.40	.09	.26			.41											.16		.20	.37	.04	.62		.11				4.01
Upper Tract	...do			T.	T.					T.													T.	2.90		T.				.25	.30		3.45
Northern Division																																	
Aberdeen	Monongahela		.30	.18	T.	.15	.40	.14		1.15	.32											.95		.18	.02	1.14	1.05	.13	.09	.13	.15		6.48
Bens Run	Ohio		.20			.41	1.08			.16							.73					1.77	.03			.60	.20	.11	.25		.03		5.57
Benson	Monongahela		.73		.20	.62	.79	.44		.12	.09						.10				1.20	.54		.30	.08	.94	.70	.10	.09	.26	.06		7.18
Brownsville	...do		.15	.02	.02	.33	.23	.96		.25	.12						.02					.34	.01	.31	.05	1.43	1.00	.13	.05	.15	.14		5.72
Bruceton Mills	...do		1.10	T.	1.32	.32	1.08			.06				T.			.57				.15		.16	.34	.12	3.09		.21	.32		T.		9.34
Buckhannon	...do		.13	.32	.17	.35	1.05			.33											.25	.25		T.	.30	2.00	.15	.16	.21	.18	.28		6.33
Cairo	Little Kanawha	.31				1.00	.18			.07							.41				1.33	1.45			.13	.97		.40	.25	T.	.20		6.70
Clarksburg⦀	Monongahela		.08	.66	2.26		1.01	.89			.44						.14					.89		.16	.32	.22	.98		.18	.21	.02		8.16
Cortland⦀	...do		*	*	*	.98	.50			1.00											.10		.05	.40	.10		1.60				.60		5.33
Crawford	Little Kanawha	.04	.39		.09	.68	.90			.82											.15	1.89		.07		.80	.52	.15	.24		.30		7.02
Creston⦀	Monongahela		T.	.03			.25	.40			.50				T.		.61					.15		.25	.05	.48	.80		.15	.25	.15		4.07
Dam 10, Mon. R.⦀	Ohio		.85	.36		.39	.48	1.15			.10						.50					.57		.21	.03	2.11	.82		.27	.12			7.96
Dam 12, O. R⦀	...do		1.35	.07	1.15	T.	2.10	T.			.06			T.			.55							1.35	.65	.45	.45		.19	.07			8.44
Dam 13, O. R.⦀	Monongahela		1.61	.25	.24	.03	2.02	.02			.04						.78							1.54	.80	.46	.64		.22	.06			8.71
Dam 15, Mon. R.⦀	...do		.32	.08	.44	.42	.44	.12			.10						.22					.53		.84	.47	1.42	.71		.24	.11	.03		6.49
Davis⦀	...do		.33	.90	.84	.36	.30	.29			.45											.26		.38	.20	.07	1.14		.12	.27	.02		5.93
Elizabeth (D'm 3 L K)	Little Kanawha		.05	.28			.84	.65				.28					.91					.17		.07	.02	.04	1.06		1.04	.16	.16		5.68
Elkins***	Monongahela	.44	.39	.09	.38	.24	.36	.01		.85							.25				.17	.23	T.	.01	.20	.87	.01	.13	.16	T.	.21		5.00
Evenwood	...do	.34	.29	.50	.71	.50				1.09							T.				.19	.08		.96	.30	.63	.23	.49	.29		.19		6.79
Fairmont⦀	...do		.30	.06	T.	T.	.43	.32														1.10	1.17	.70	1.53		*	.26	.06	T.			5.93
Glenville⦀	Little Kanawha	T.	.20	.41			.16	.25			.51					.15	T.					1.85		.30	.22	.66	1.22		.20	.22	.08		6.43
Horner	Monongahela		.15	.65	.03	.40	.30	.50									.03					.39		.19	.09	.94	1.30	.15	.06	.17	.18		5.59
Horton	...do		.75		.79		.42			.38												.10		.15	.20	.20	.96	.05		.13	.26		4.39
Janelew (near)	...do		.35			.02	.35	.28		.85	.28											.50		.50		1.65	.80	.12			.30		6.18
Lost Creek	...do	T.	.85		T.	.55	.61			.47	.20										.95	.45	.19	.11	.07	1.07	.62	.05	.09	T.	.06		6.34
Mannington	...do		.65	.02	1.39	.25	1.23			.18				T.			.28	.01			.24	.14	.39	1.15	.06	2.65	.13	.13	.26	T.	.02		9.16
Morgantown	...do		1.32	T.	.32	.22	1.76			T.							.47				.20	.17	T.	.12		2.35	.20	.11	.30		T.		7.54
Moundsville⦀	Ohio		1.93		.18	.31	1.67				.08						.66					.03		2.25	.14	1.43	.11	.19	.28	.01	T.		9.27
New Cumberland⦀	...do		1.25	.02	.53	1.80	1.40			.13	.15						.86				.04			.26	3.44	T.	.36		.20	.08			10.57
New Martinsville	...do		.30		.20	.43	.90										.50				.20	.20	2.00	.05	.20	.40	.20	.10	.25		.10		6.05
Parkersburg* **	...do	.24	.01			.65	.96			.01						1.15	.17				1.19		.01	T.	.08	.57		.03	.23		.11		5.41
Parsons	Monongahela		.50	1.56	1.34	.33	.48	.60			.48											.19		T.	.07		1.64		.11	.19	.01		7.50
Philippi	...do		1.25		.05	.05	.38			.94		.02		T.			.03				.03	.05	.13		.42	2.05	.35	.35	.14	.21	.25		6.70
Pickens	...do	T.	1.58	.20	1.27		1.23			.57											.09	.63	.11	.13	.68	1.45		1.65	.25		.42		10.26
Roanoke	...do		.73	.01	.23		.85	.80		.05	.15											1.31	1.04	.01	.23	.77		.21	.15	.10	.23		6.87
Rowlesburg⦀	...do		.43	.49	.17	.07	.08	.37			.38										.63	1.55		.34	.40		1.30		.13	.29			6.63
Saint Marys⦀	Ohio		.20	.35			.75				.12			T.			.94					.77		.05	.02	.47	.26		.34	.12	.11		4.50
Smithfield⦀	Fishing Creek		.60	.40	.18		.21		.04			.16					.03				.67		.24	2.00			.15			.12			4.80
Terra Alta	Monongahela		.65	.20	.80	.17	.27	T.		.10	.18						.07			.01	.34	.06		.81	.68	1.56	.31	.08	.27	.05	.01		6.62
Valley Chapel	...do		.53	.09		.30	.60	.26		1.16	.43										.90	.28		.40	.30	.35	.40	.10	.25	.10	.15		6.60
Vandalia	...do																																
Wellsburg	Ohio		1.16		.38	1.82	1.32			.08				T.			.61				T.			2.18	.86	.61	.07	T.	.24	T.			9.33
West Milford	Monongahela	.20			.29	.80	.42	.24	.23		.13						.18	.02			.57	.45		.30	.18	.75	.63	.15	.30	.06	.08		6.01
Weston	...do																																
Wheeling⦀	Ohio		1.28	.14	.85	T.	2.28	.04			.07			T.			.90							2.35	1.10	.35	.45	T.	.19	.07	T.		10.07
Woodlands⦀	...do		.20	.19	.04	.02	2.00	.03			.12						1.00					.14		1.85	.64	.32	1.85		.14	.09	.03		8.66
Southern Division																																	
rbovale	Great Kanawha		.15	.37		.33	.30			.41	.04											.25		.47			.08	.08	.12	.02	.38		3.00
ancroft⦀	...do		.76	1.97		.07	.26	.02			.35						.10							.10		.16	.60	.08		.12	.39		4.98
uefield	...do	.16	.07	.12	.27			.04						.17										.06				.16	.08	.06	.25		1.44
amden-on-Gauley⦀	...do										.80													1.00				.80		.41	1.00		4.04
harleston⦀	...do		.04	.28				.12			1.10					.12										.28	.66			.15	.12		2.78
lay⦀	...do			.80		.12	.08	.52			.31														.18	.21	.29		.18	.13	.38		3.32
am 6 G. K.⦀	...do		.15	.07		.02	.05				1.14														.28	.26	.33			.12	.30		2.70
am 19 O. R.⦀	Ohio		.29	.07			1.28	.09			.02						1.56					2.82		T.	.14	.25	.35		.08	.20	.14		7.29
am 20 O. R.⦀	...do		.05	.50			.64	.15									.95					.13		T.	.28	.20	.94		.10	.18	.18		4.30
am 25 O. R.⦀	...do		.25	.50			.35	.65			.05															.07	.30		.10	.08	.50		2.85
ry	Big Sandy	.30	.20	.15			.02	.57			.36						.07								.12		.28		.03	.11	.27		2.48
inton⦀	...do			.11	.07		.06	.43			.06														.33		.52	.08	.01	.17	.08		1.72
untington⦀	Ohio		.20	.10			.10	.14			.36				T.							.24		.02	.16	.04	.34			.10	.34		2.14
anawha Falls⦀	Great Kanawha		.30	.40				.44			.61															.45	1.35		.09	.13	.06		3.83
ayford⦀	...do		.11	.16	T.			.55			.90					T.	.47	.41	T.			.02		.04		.09	.75	.03	.08	.15	.13		3.89
ermit⦀	Big Sandy		.95	.12	.15			.85			.40															.25	.40			.40			3.52
ewisburg	Great Kanawha		.20	.06	T.	T.	.49			.46														.14		T.	.09	.06	.11	.11	.37		2.09
ogan⦀	Guyandotte	T.	.49	.10		.25					.50							.56								.26	.30		.13	.20	.10		2.89
arlinton	Great Kanawha	T.	.34	.08	.31	.06	.36			.34					T.									.38		.42		.23	.45				3.00
gan Cave	...do		.10	.08			.20				.32				.08									.08		.12	.08	.16	.20	.30	.15		1.88
int Pleasant⦀	Ohio	T.	.05	.12			.20	.10			.05						.22					.02			.02	.05		.90	.10	.12	.30		2.25
venswood (Dam 22	...do		.35	.11	T.			.25			.60						.65					.16		.11	.02	.02	.99				T.		3.26
bertsburg⦀	Great Kanawha		.30	.35			.12	.50			.64						.12							.23			.57		.03	.07	.32		3.25
an	...do	.57	.14			.33	.74			.21						.01	.35						.29	.11	.02	.66			.19	.10	.32		4.04
arples⦀	Coal River		.33	.78	.03	T.		.73			.49							.16								.73	.08	.25	.10	T.	.34		4.02
encer⦀	Great Kanawha					.26			.14					.74	T.		.36							.25		.07	.71		.08	.20	.20		3.01
tton	...do		1.03				1.62			.28				T.							.32			.25	.20	.38	1.35	.10	.25		.15		5.93
ion	...do		.31	.04	.09		.96	.06			T.														.07			.10	.20	.10	.25		2.21
yne⦀	Big Sandy	.20	.19	.09			.10			1.01											.99			.03	.59	.22	.85		.02	.13	.81		5.23
ite Sulpr. Spgs.⦀	Great Kanawha	.05	.12	.16			.32			.15														.10		.15	.10	.05	.20	.30	.04		1.71

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

⦀ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete.

Daily Temperatures for September, 1926

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	80	80	71	75	73	78	67	73	80	85	74	81	79	71	73	87	79	77	82	80	77	84	86	77	78	74	53	56	69	67	....	75.5
	Minimum	36	59	57	58	51	49	56	61	66	42	36	40	50	49	47	55	54	52	44	53	58	48	53	58	59	40	38	45	51	53	....	50.6
Brandywine	Maximum	82	84	75	80	84	82	85	84	91	70	80	85	84	72	75	87	82	80	85	85	80	87	90	86	87	72	60	60	65	65	....	79.5
	Minimum	49	52	60	59	60	59	60	59	60	59	46	52	50	57	58	60	55	56	50	52	54	57	64	58	60	47	44	45	48	55	....	54.8
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Inwood	Maximum	83	85	64	65	79	86	78	80	87	73	75	83	76	66	70	82	82	70	79	85	78	80	87	87	89	61	54	59	65	....	....	76.1
	Minimum	49	63	59	58	59	64	60	53	61	55	45	49	60	54	55	51	61	61	56	58	56	59	64	67	70	50	43	49	51	56	....	56.5
Martinsburg§	Maximum	85	85	70	65	83	85	90	81	75	75	78	85	82	69	74	85	85	70	81	89	80	83	90	88	91	64	55	57	66	....	....	78.1
	Minimum	48	55	59	58	58	63	62	51	55	55	44	48	57	54	55	51	59	64	56	57	57	58	63	66	68	50	42	48	50	52	....	55.4
Moorfield	Maximum	87	88	82	72	92	90	82	85	94	76	82	89	86	83	....	....	90	81	88	87	81	91	93	92	91	83	69	57	67	67	....	83.0
	Minimum	43	66	61	63	60	65	62	55	63	58	48	53	57	56	....	....	59	63	54	59	64	60	66	64	67	50	44	50	53	57	....	57.9
Piedmont	Maximum	80	80	65	63	85	86	78	79	85	74	74	83	75	66	68	83	82	72	80	85	76	84	85	82	83	71	52	53	64	60	....	75.1
	Minimum	47	63	59	59	59	64	57	52	62	54	45	51	58	55	58	61	60	64	58	59	62	57	64	65	67	47	44	49	52	56	....	56.9
Romney	Maximum	86	87	....	85	91	80	82	90	73	75	84	88	87	74	....	....	....	67	....	87	91	90	83	90	71	65	57	66	61	....	....	79.6
	Minimum	45	56	59	....	59	64	58	53	61	54	44	49	59	54	64	....	....	....	54	....	58	56	66	64	66	48	42	49	52	56	....	55.6
Upper Tract	Maximum	....	....	65	65	66	67	73	75	75	72	....	....	73	73	....	82	82	79	79	79	....	79	80	81	82	78	....	59	60	60	....	73.2
	Minimum	....	....	48	48	49	49	51	56	55	56	....	....	45	55	....	57	55	48	49	48	....	64	65	66	64	48	....	44	49	51	....	53.0
Wardensville§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Northern Division																																	
Bens Run	Maximum	89	89	85	91	89	82	80	86	85	74	89	85	75	85	86	86	86	82	87	85	86	88	88	83	83	81	55	57	73	75	....	81.5
	Minimum	52	67	69	69	71	68	57	56	65	54	58	52	64	58	60	65	63	62	61	65	64	63	65	72	61	46	47	51	55	59	....	60.6
Buckhannon	Maximum	79	80	80	82	84	79	74	80	82	71	74	71	70	76	78	80	75	80	78	79	80	79	82	78	80	63	63	60	70	67	....	75.8
	Minimum	50	68	67	69	66	66	60	52	63	56	45	60	59	59	56	66	60	55	55	65	64	59	64	68	63	47	47	52	55	60	....	59.2
Cairo	Maximum	85	83	85	90	86	84	78	86	84	74	80	83	75	85	85	85	76	84	83	83	83	84	85	85	84	70	57	58	71	50	....	80.0
	Minimum	48	68	67	66	70	68	56	52	62	52	43	48	60	60	65	67	64	58	64	58	63	60	67	74	70	47	49	50	54	56	....	59.5
Clarksburg §	Maximum	88	81	86	90	88	82	81	87	84	73	82	84	72	83	86	83	79	88	86	88	88	86	85	85	84	60	53	59	75	72	....	80.6
	Minimum	49	53	67	66	69	66	59	54	62	55	46	50	58	60	56	65	63	58	57	60	63	60	66	68	70	47	45	50	52	56	....	58.3
Creston	Maximum	84	86	87	90	90	87	80	88	83	77	80	87	84	87	85	86	82	86	88	86	86	87	86	81	86	83	61	61	72	71	....	82.6
	Minimum	53	67	68	69	70	66	56	52	67	54	45	54	60	62	59	65	61	58	58	62	64	61	65	70	69	46	46	47	52	60	....	59.5
Elkins	Maximum	80	79	81	81	86	80	73	83	83	68	78	79	73	73	80	79	76	81	81	80	80	81	83	76	81	58	55	63	69	66	....	76.2
	Minimum	49	65	66	66	66	62	53	52	62	47	45	52	55	59	56	60	58	54	51	60	61	58	65	68	51	46	45	51	53	59	....	56.5
Fairmont§	Maximum	80	79	84	90	91	80	82	90	84	78	84	89	76	81	89	85	84	89	90	90	83	91	82	84	84	65	65	58	75	77	....	82.0
	Minimum	50	56	67	63	66	65	59	53	56	51	46	46	59	58	57	63	63	63	57	63	62	61	64	69	69	43	43	50	51	51	....	57.5
Glenville	Maximum	88	85	87	60	89	86	85	89	85	77	84	88	85	85	86	87	86	88	87	95	87	89	87	85	82	76	68	60	68	72	....	83.5
	Minimum	51	64	64	65	66	64	60	52	57	54	45	52	57	57	53	62	61	56	53	60	58	58	63	66	64	44	43	50	53	56	....	56.9
Grafton(near)§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lost Creek	Maximum	88	84	87	91	90	80	80	81	87	77	85	86	75	82	86	87	84	89	87	88	88	89	84	81	82	70	59	60	72	71	....	81.7
	Minimum	45	67	67	67	70	65	67	50	56	54	43	50	60	58	55	65	61	65	55	60	64	59	64	70	69	47	44	51	54	58	....	58.7
Mannington	Maximum	79	79	81	84	86	80	75	82	82	70	75	79	71	78	81	81	78	81	80	81	81	81	80	82	81	63	53	57	69	70	....	76.
	Minimum	44	68	69	64	70	64	58	52	62	50	42	50	60	56	56	64	61	56	56	62	62	59	64	69	63	45	43	51	52	56	....	57.6
Morgantown	Maximum	82	80	82	83	87	80	76	86	85	70	80	82	75	76	85	82	77	86	83	83	84	87	81	83	84	63	52	56	71	69	....	78.
	Minimum	47	68	65	63	69	66	58	55	67	50	47	54	60	57	60	62	61	62	60	62	60	64	66	71	62	44	44	50	52	56	....	58.7
New Cumberland§	Maximum	80	77	88	88	86	81	82	85	80	71	78	85	71	79	85	81	78	84	83	80	83	91	79	83	83	60	59	55	64	72	....	78.4
	Minimum	49	55	63	62	65	67	54	56	54	47	46	47	53	51	57	64	62	57	57	63	54	57	60	68	71	41	47	38	49	53	....	55.
New Martinsville	Maximum	89	87	86	92	89	86	81	88	86	75	84	88	78	87	89	89	82	90	85	84	90	89	84	84	83	67	62	58	72	73	....	82.
	Minimum	45	66	64	67	68	65	55	53	61	50	45	48	59	58	58	63	62	57	58	62	59	59	64	70	58	42	42	48	50	55	....	57.
Parkersburg	Maximum	83	85	84	90	89	84	78	86	83	71	78	85	73	85	85	85	76	84	83	81	83	86	85	80	82	61	55	58	71	70	....	79.
	Minimum	56	72	69	70	70	65	58	57	66	56	50	52	63	61	65	68	64	61	64	64	63	66	67	72	53	48	50	50	55	57	....	61.
Parsons	Maximum	86	79	82	82	86	88	83	83	76	....	....	....	....	....	83	80	78	79	80	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	56	53	56	65	64	61	53	53	53	....	....	....	....	....	44	66	65	64	54	....	....	....	....	....	....	....	....	....	....	....	....	......
Philippi	Maximum	83	78	82	85	80	79	77	80	84	78	81	80	78	78	83	80	81	82	84	82	80	82	84	78	79	75	65	60	71	71	....	78.
	Minimum	55	57	66	68	66	65	67	65	56	53	44	50	59	56	61	65	60	62	58	60	65	63	68	67	60	48	45	49	52	57	....	58.
Pickens	Maximum	82	76	82	82	83	74	75	84	80	72	....	81	73	78	77	80	75	82	81	80	81	82	81	70	78	60	54	62	67	66	....	75.
	Minimum	48	62	56	51	61	60	56	46	60	62	....	43	53	55	53	56	55	53	48	55	53	55	61	63	55	39	41	42	49	58	....	53.
Terra Alta	Maximum	75	74	69	68	81	75	71	79	76	69	73	75	69	69	71	76	74	73	78	77	72	79	80	72	75	66	55	55	67	60	....	71.
	Minimum	39	64	58	58	58	60	56	43	56	46	31	44	54	51	53	56	57	57	52	57	58	52	60	64	65	42	40	46	50	54	....	52.
Wellsburg	Maximum	82	75	78	89	86	81	78	85	82	71	78	83	72	78	85	82	77	83	82	81	72	88	80	82	81	60	58	55	64	74	....	77.
	Minimum	47	65	64	63	69	67	57	52	63	48	42	46	58	47	56	63	61	55	57	62	55	57	67	67	58	41	44	50	51	53	....	56.
Weston	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Wheeling§	Maximum	86	77	92	85	90	85	83	90	88	77	84	89	77	86	90	87	82	88	86	86	90	94	80	84	84	67	67	50	68	74	....	82.
	Minimum	49	54	65	68	64	65	55	54	60	50	46	49	57	51	58	64	60	57	58	62	56	60	64	63	68	41	43	43	44	50	....	55.
Southern Division																																	
Bluefield	Maximum	82	80	78	83	....	....	82	83	84	82	83	....	81	76	78	81	80	77	....	81	84	83	84	82	83	....	81	67	71	73	....	80.
	Minimum	41	45	44	46	....	....	47	55	65	61	60	....	56	64	59	58	60	61	....	58	58	65	64	65	68	....	51	56	60	62	....	57.
Charleston	Maximum	87	88	87	91	92	84	82	90	88	80	84	88	81	88	85	88	84	87	86	87	91	90	88	88	88	68	55	66	70	76	....	83.
	Minimum	60	63	66	68	70	70	58	58	60	62	52	51	52	53	65	65	65	63	62	65	63	63	66	66	68	51	50	50	54	58	....	60.
Gary §	Maximum	86	86	83	89	90	85	81	87	87	79	83	85	85	85	82	83	83	85	82	83	89	86	85	86	87	61	66	70	75	76	....	82.
	Minimum	64	65	67	66	65	67	68	61	64	66	58	57	60	62	61	60	63	59	58	62	62	61	62	65	66	55	56	59	61	64	....	62.
Huntington §	Maximum	82	85	81	87	88	82	76	84	86	73	78	83	74	83	85	85	76	83	84	83	80	81	82	78	83	61	59	62	67	72	....	78.
	Minimum	64	67	68	70	72	72	60	58	60	63	52	53	59	64	65	68	66	62	64	63	65	66	67	72	72	50	50	52	53	59	....	62.
Lewisburg	Maximum	81	80	78	78	85	82	77	78	86	76	77	80	79	72	72	81	79	74	76	80	78	83	85	82	82	76	61	66	70	73	....	77.
	Minimum	55	63	63	67	63	64	60	56	61	61	54	52	53	60	59	59	61	59	61	58	62	59	63	64	64	52	50	51	52	62	....	58.
Marlinton	Maximum	74	76	78	70	78	76	72	70	78	70	72	76	72	60	68	78	74	70	69	74	76	76	78	78	74	64	54	58	68	72	....	71.
	Minimum	48	60	56	62	62	60	54	52	60	52	48	50	52	54	52	42	52	54	56	62	60	56	56	56	60	46	46	42	54	58	....	54
Point Pleasant	Maximum	85	95	85	90	95	98	90	95	87	85	82	88	95	85	95	88	80	88	98	88	90	90	90	82	80	80	79	75	70	70	....	86.
	Minimum	56	68	60	68	70	69	55	55	69	65	46	50	62	65	62	65	60	56	61	58	65	70	70	75	60	45	44	55	55	53	....	60.
Ravenswood	Maximum	86	87	88	90	89	83	83	85	84	76	80	85	74	76	88	86	86	85	86	87	86	87	86	82	83	82	83	61	71	73	....	82.
	Minimum	54	56	63	68	72	65	55	53	67	57	46	50	60	62	62	67	63	58	64	63	63	66	67	75	72	45	47	52	54	61	....	60.
Robertsburg§	Maximum	88	89	85	92	88	85	83	87	85	76	80	87	73	90	90	88	78	87	88	86	88	89	89	80	84	67	57	62	70	74	....	82.
	Minimum	58	60	62	65	65	69	55	53	60	57	47	52	56	51	52	65	61	57	60	60	63	63	64	65	67	45	45	51	52	57	....	57.
Ryan	Maximum	85	85	84	82	89	80	79	85	85	78	82	85	75	85	83	86	77	85	83	85	86	88	86	80	85	70	64	65	70	72	....	80.
	Minimum	55	67	63	62	64	66	56	51	63	55	44	53	60	60	60	63	61	56	58	62	61	66	67	68	62	48	56	52	56	60	....	59.
Spencer §	Maximum	81	84	81	88	88	85	83	81	84	84	85	86	75	86	82	86	78	85	84	86	86	87	87	78	85	65	57	61	70	75	....	80.
	Minimum	60	58	60	62	56	64	62	60	60	62	62	63	63	61	61	65	61	58	58	63	64	65	65	64	70	48	42	52	52	52	....	59.
Sutton	Maximum	82	83	85	93	93	88	80	80	80	80	84	86	86	82	86	87	87	88	88	86	82	85	85	80	80	80	60	59	71	72	....	81.
	Minimum	53	52	56	62	63	50	46	53	50	50	49	53	51	45	54	55	49	57	54	47	51	53	50	49	52	47	48	47	50	52	....	51.
Union	Maximum	87	84	83	79	....	86	86	85	87	90	83	....	87	82	75	85	85	84	....	84	83	90	90	86	87	....	87	65	71	75	....	83.
	Minimum	55	63	62	59	....	59	57	56	57	60	51	....	49	59	57	57	59	56	....	52	56	57	57	57	60	....	47	50	57	60	....	56.
White Sulphur Spgs§	Maximum	85	83	77	88	86	84	72	90	80	79	86	82	64	70	85	85	75	78	82	81	83	88	86	85	65	65	70	74	73	68	....	79
	Minimum	57	63	66	64	64	62	54	62	61	53	52	52	54	59	60	61	57	60	57	59	59	62	64	63	54	50	52	55	61	60	....	58.
Williamson§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 11-15-26—830)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIV Parkersburg, W. Va., October, 1926 No. 10

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GENERAL SUMMARY

The past month, with the precipitation nearly twice the normal, was the fourth consecutive wet month in West Virginia. Considering past records, the precipitation was greater for October in only two years, 1919 and 1925. The month was characterized by cloudy weather and frequent rains, no excessive daily rainfalls being noted. The snowfall averaged somewhat above the normal, the average October snowfall being greater in only four years of record. The first general snow occurred on the 25th. The average number of clear days was only ten, the least of October State record except in 1919, when the average was nine. While the greater part of the month was comparatively cold, the temperature averaged but slightly below the normal, the first week being warm. The first general killing frost in most of the agricultural districts occurred during the last decade, a week to ten days later than usual. Owing to frequent rains and cloudy weather much grain in the shock and rowen were damaged, and corn husking and apple picking were much delayed. An abundant crop of apples, however, was secured. Pastures were good until the close of the month.

TEMPERATURE

The monthly mean for the State, determined from 46 stations, was 54.9°. The departure from the normal for 38 stations having ten or more years of record was −0.3°. The temperature was above the normal from the 1st to the 6th, 10th to the 15th, and the 28th to the 31st, the highest temperature being general on the 4th and 5th. The temperature was deficient from the 7th to the 9th and the 15th to the 27th. The month also closed cold. The lowest temperatures occurred generally on the 26th and 28th.

PRECIPITATION

The average precipitation for the State, determined from 83 stations, was 4.79 inches. The departure from the normal for 49 stations having ten or more years of record was +1.72 inches. Most of the precipitation was recorded on the 2-3d, 5-6th, 11th, 13-14th, 16-17th, 19-20th, 24-25th, and 29th-31st, the greatest amounts being measured on the 2d, 6th, 13th, 20th, 24-25th, and 31st. Practically all of the snowfall was received on the 25th.

MISCELLANEOUS PHENOMENA

Aurora: Morgantown, 16th.

Fogs, dense: Arbovale, 3d, 4th, 12th, 16th, and 22d; Bancroft, th, 5th, 8th, 10th, 18th, 19th, 22d, 27th, and 28th; Browns- ille, 1st 4th, 8th, 9th, 12th, 15th, 16th, and 22d; Buckhan- on, 14th; Elkins, 3d, 4th, 13th, 15th, 16th, and 24th; Hunt- ngton; 1st, 8th, and 12th; Marlinton, 2d to the 5th, 9th, 12th, 4th to the 16th, and 30th; Morgantown, 12th; Parkersburg, th and 12th; Terra Alta, 12th, 14th, and 20th.

Hail, light: Brownsville, 6th; Elkins, 6th and 16th; Evenwood, 6th and 18th; Horner, 17th; Marlinton, 17th; Organ Cave, 6th, 17th, and 23d; Parsons, 16th.

Halos, solar: Moundsville, 23d and 30th.

Thunderstorms (dates and number of stations reporting): 1st, 1; 2d, 13; 3d, 3; 5th, 3; 6th, 1; 13th, 8; 16th, 9; 17th, 7; 18th, 3; 19th, 1; 20th, 7; 23d, 1; 24th, 1; 25th, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement, miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	29.99	88	64	75	135.8	39	4,540	6.1	23	nw.	24
Columbus, Ohio	29.98	89	73	78	103.0	30	6,604	8.9	36	nw	6
Elkins	30.02	92	68	88	134.5	39	3,530	4.7	21	sw.	24
Lexington, Ky	30.00	86	73	....	177.8	51	8,971	12.1	36	sw.	28
Parkersburg	30.01	85	64	77	109.6	32	3,580	4.9	22	nw.	25
Pittsburgh, Pa	29.99	87	69	72	118.3	34	7,586	10.2	40	nw.	18
Wytheville, Va	30.01	88	64	81	170.0	49	3,946	5.3	36	w.	18

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	51.5	95	21	1.97	2.91	T.	......	.....	.....	.....
1892	52.6	89	24	0.83	1.45	0.21	......	.....	.....	.....
1893	54.1	86	16	4.74	7.22	1.00	......	21	6	4
1894	54.4	88	22	2.32	3.85	1.17	T.	16	8	7
1895	48.1	89	8	1.29	2.25	0.16	T.	22	5	4
1896	51.0	82	20	2.08	4.37	0.45	T.	14	9	8
1897	58.2	95	22	0.53	2.27	0.07	0	18	7	6
1898	55.6	95	19	4.84	8.50	2.48	T.	11	10	10
1899	56.8	91	19	1.42	3.81	0.23	0	15	7	9
1900	60.9	97	24	2.33	4.80	1.15	0	16	8	7
1901	54.3	86	19	0.54	1.95	0.12	0	19	6	6
1902	56.5	87	17	2.63	5.50	0.90	T.	16	8	7
1903	54.2	96	15	2.55	4.75	0.80	T.	17	7	7
1904	54.5	92	16	1.59	3.02	0.37	T.	18	8	5
1905	54.2	95	19	4.71	8.26	2.46	T.	13	8	10
1906	54.5	86	12	3.09	8.15	1.64	1.3	11	6	14
1907	50.3	87	19	2.65	5.12	0.54	0.1	15	9	7
1908	55.1	91	16	1.60	6.88	0.33	T.	18	7	6
1909	50.0	88	14	2.79	5.27	0.60	0.1	16	7	8
1910	58.1	95	15	1.85	2.96	0.80	0.7	18	7	6
1911	56.3	88	23	5.28	9.65	3.27	0	12	7	12
1912	55.5	93	20	1.34	3.10	0.20	T.	18	7	6
1913	54.5	92	12	4.50	8.11	1.78	0.3	12	6	13
1914	57.3	91	14	2.91	6.72	1.37	T.	12	8	11
1915	56.6	89	20	4.11	5.55	0.74	T.	17	7	7
1916	54.1	97	16	2.38	4.35	0.91	T.	19	5	7
1917	49.2	89	16	4.35	6.49	1.18	5.5	15	6	10
1918	58.2	89	24	3.68	7.53	1.59	T.	15	7	9
1919	62.3	102	28	5.84	11.88	2.13	0	9	7	15
1920	57.5	90	21	1.15	2.53	0.10	0.1	22	4	5
1921	53.7	88	21	2.48	5.76	0.30	0.1	18	5	8
1922	55.4	93	18	2.45	4.81	0.39	T.	19	5	7
1923	52.1	93	12	1.39	2.41	0.65	T.	19	5	7
1924	54.6	87	14	0.40	1.28	0.00	T.	23	4	4
1925	49.3	86	14	7.30	13.08	2.19	4.3	15	7	9
1926	54.9	92	20	4.79	8.74	1.04	0.3	10	8	13
Means and extremes	54.6	102	8	2.79	13.08	0.00	0.4	16	7	8

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., October, 1926

See temperature and precipitation data in Climatological Tables, Pages 38, 39, and 40

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
larksburg	Evaporation	.041	.076	.	.089	.142	.020	.198	.088	.080	.076	.056	.001	.126	.060	.078	.056	.162	.099	.031	.046	.047	.079	.077	.011	.097	.039	.012	.044	.044	.005	.084	2.064
	Wind movement	11	12	14	15	16	45	68	36	19	30	36	7	16	14	14	17	57	48	66	16	48	34	32	8	57	30	68	18	28	9	58	947

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for October, 1926

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.: Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation, in inches: Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	No. of days: Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Panhandle Division																				
Bayard	Grant	2,375	25	51.4	+ 2.6	86	4	20	28	48	8.74	+5.32	1.63	2.5	16	13	4	14	w.	U. G. Clark
Brandywine	Pendleton	1,586	10	54.0	− 0.6	85	3†	23	28	43	2.85	+1.02	1.00	0	8	12	5	14	sw.	Elmer Keister
Burlington	Mineral	875	32																	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	37								2.97	+0.28	0.95	0	9					J. C. Newcomer
Inwood††	Berkeley	569	4	54.4^{a}		87^{a}	4†	25	28	38^{a}	3.15		0.95	0	12	11	11	9	nw.	L. E. Dills
Martinsburg	Berkeley	435	34	54.5^{a}	− 0.1	89^{a}	4	24	28	43^{a}	3.44	+0.88	0.95	T.	13	21	2	8	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	30	57.3^{b}	+ 1.6	92^{b}	3†	25^{b}	26†	43^{b}	3.46	+1.23	1.07	0	8	24^{c}	0^{c}	4^{c}		M. S. Henkel
Piedmont	Mineral	1,053	13	53.6	− 0.1	87	5	27	28	37	2.79	−0.01	1.09	0	12	13	6	12	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	28	54.9^{e}	− 0.3	91^{e}	4	25^{d}	28	42^{g}	2.60	+0.10	0.75	0	5	9	11	11		George E. Bergdoll
Stony River Dam	Grant	3,300	6								4.78		0.90	0.5	14	5	7	19	w.	A. C. Becker
Upper Tract	Pendleton	1,230	27	53.0^{e}	− 2.5	76^{e}	3†	26^{e}	28	38^{e}	1.10	−1.10	0.75	0	3	16^{g}	0^{g}	8^{g}	w.	J. M. Mallow
Averages and	extremes			54.1	+ 0.1	92	3†	20	28	48	3.64	+0.96	1.63	0.3	10	14	5	12	w.	
Northern Division																				
Aberdeen	Upshur	1,060	2								4.90		0.83	1.4	14	5	15	11	nw.	L. Else Bond
Bens Run	Pleasants	652	24	56.4	− 0.3	88	4	32	26	38	4.66	+1.55	1.00	T.	9	15	5	11		J. D. Riggs
Benson	Harrison	1,080	3	54.4		87	4	27	28	42	5.37		0.90	T.	13	4	18	9		R D Marts
Brownsville	Lewis	1,032	3	56.0		88	4†	28	28	45	4.90		1.09	T.	17	7	14	10		George M. Myers
Bruceton Mills	Preston	1,549	6								3.87	+0.09	0.71	3.5	13	2	13	16	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	29	53.2	− 0.2	80	4	29	26†	36	5.43	+1.97	1.06	T.	13	13	4	14		H. A. Darnall
Cairo††	Ritchie	680	27	55.6	− 1.2	85	4	35	25†	31	4.04	+0.96	1.78	T.	8	8	9	14		O. C. Hess
Clarksburg	Harrison	1,015	4	54.2		88	4	29	28	42	5.49		1.16	T.	15	5	14	12	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	15								5.33	+1.97	1.85	2.0	7	8^{a}	8^{a}	14^{a}		G. W. Harmon
Crawford	Lewis	1,107	3								4.89		1.05	T.	14	8	15	8	w.	George W. Blair
Creston	Wirt	640	24	56.8	+ 1.0	88	4	30	28	40	5.31	+2.30	1.08	T.	16	9	3	19	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	5								4.51		1.27	T.	15					Lockmaster
Dam 12 O. R.	Ohio	660	10								4.09		0.96	0	12					Lockmaster
Dam 13 O. R.	Ohio	655	10								4.53		1.20	0	14					Lockmaster
Dam 15 Mon. R.	Monongalia	882	5								4.77		1.06	0	18					Lockmaster
Davis	Tucker	3,093	17								6.17	+2.02	1.07	1.0	17	8	10	13	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt††	615	14								5.47	+1.72	1.52	0	12					Lockmaster
Elkins	Randolph	1,947	25	52.3	0	84	4	25	28	44	4.15	+1.73	0.95	T.	15	1	12	18	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	1								6.25		1.12	1.0	16	2	12	17		Claude A. Cunningham
Fairmont	Marion	883	20	55.2	+ 0.3	92	4	28	26	43	4.83	+2.20	1.05	T.	13	15	7	9	w.	J. C. Robinson
Glenville	Gilmer	738	32	57.7	+ 1.7	87	5†	28	26	44	4.65	+1.60	0.81	T.	17	9	9	13	w.	Howard R. Brannon
Horner	Lewis	1,044	3								5.63		1.30	T	14	16	3	12		Thomas E. Miles
Horton	Randolph	2,840	1								4.13		0.79	T.	12	8	4	19	sw.	J. W. White
Janelew (near)	Lewis	1,020	3	55.9		87	4	27	28	45	5.21		1.00	T	9	15	5	11	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	28	56.0	+ 1.2	89	4	30	22†	41	5.94	+3.21	1.01	T.	11	12	4	15	w.	Allen Smith
Mannington	Marion	985	23	53.8	− 0.7	83	4	28	26†	39	4.85	+1.91	1.12	0.7	17	6	8	17	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	33	55.4^{a}	− 0.1	87^{a}	4	29^{a}	26	35^{a}	4.58	+1.43	0.92	T.	10	3	14	14	s.	Prof. E. L. Andrews
Moundsville	Marshall	689	23	56.2	− 0.2	87	4	32	26†	37	5.26	+2.15	0.98	T.	17	5	10	16	sw.	U S Signal Corps
New Cumberland	Hancock	671	28	53.3^{a}	− 1.2	86^{a}	4	30	27	42^{a}	3.75	+0.76	1.18	T.	14	8^{a}	1^{a}	21^{a}	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	32	56.2	− 0.9	90	4	27	26	44	5.75	+2.87	1.25	T.	11	11	8	12	s.	Wm. Ankrom
Parkersburg	Wood	638	39	56.0	− 0.1	87	4	35	25	31	4.18	+1.74	1.44	T.	11	7	5	19	se.	U. S. Weather Bureau
Parsons [1]	Tucker	1,649	26	50.6	− 2.4	84	5	25	28	42	5.66	+2.78	0.90	T.	18	4	8	10		J. W. Swisher
Philippi††	Barbour	1,550	29	54.9	+ 0.4	85	4	27	26	34	5.76	+2.88	0.77	3.0	16	11	9	11	w.	Prof. W. B. Pimm
Pickens	Randolph	2,697	23	48.7	− 3.7	82	4	20	26	40	6.90	+2.83	1.20	4.0	15	14	7	10	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	3								5.25		1.14	0.4	16	6	11	14		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	39								5.99	+2.96	1.53		13					Walter H. Bolyard
Saint Marys	Pleasants	577	17								3.94	+0.54	1.12		13				w.	Wm. Hughes
Smithfield	Wetzel	850	20	57.2	+ 3.6	82	2	28	27	38	3.64	+0.21	2.31	0.5	7	18	7	6		G. M. Whisler
Terra Alta	Preston	2,559	25	50.0	− 1.9	80	4	23	28	43	4.65	+1.03	0.80	4.2	16	3	9	19	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	3								5.50		0.95	0	13	13	5	13	w.	J. C. Campbell
Vandalia	Lewis	1,120	3								4.47		1.20	0	13					Miss Phyllis West
Wellsburg	Brooke	668	25	53.0	− 1.1	85	4	28	27	37	4.06	+1.11	0.95	T.	14	14	5	12	w.	George P. Pfister
West Milford	Harrison	979	1								5.56		1.05	0	12					Miss Dicie E. Wagner
Wheeling	Ohio	645	39	53.5	− 2.1	91	4	28	25	42	4.30	+1.69	1.10	T.	16	11	7	13	w.	Miss M. B. Forsyth
Woodlands	Marshall										5.05		1.26	T	16	10	11	10	sw.	R. W. Rist
Averages and	extremes			54.4	− 0.6	92	5	20	26	45	4.96	+1.78	2.31	0.5	14	9	9	13	w.	
Southern Division																				
Arbovale	Pocahontas	2,734									4.23		1.20	T.	12	10	10	11	w.	H. S. Sutton
Bancroft	Putnam	574	22	57.7	+ 0.3	87	1†	28	26	40	5.47	+2.29	1.07	0	14	20	0	11	ne.	R. E. Dent
Beckley	Raleigh	2,440	26					25	26		4.27	+1.50	2.01	T.	3	7	7	17	w.	K. E. Williams
Bluefield°	Mercer	2 558	31	56.4	− 0.4	85	4	26	26	33	1.04	−1.84	0.70	T.	5	9	10	7		Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	11								2.50		1.00	T.	3					Miss Katie Jarvis
Charleston	Kanawha	600	23	58.0	− 1.3	90	1†	29	26	38	5.44	+2.67	1.00	0	14	7	0	24		R. O. Fields
Clay	Clay	706	10								4.38		1.20	T.	11					Ted Thomas
Dam 6 G. K.	Kanawha	598									3.86		0.91	T.	8					Lockmaster
Dam 19 O. R.	Wood	600	10								6.45		1.52	T.	14					Lockmaster
Dam 20 O. R.	Wood	600	10								4.76		1.62	T.	13					Lockmaster
Dam 26 O. R.	Mason	564	10								5.24		1.35	0	14					U. S. Engineer Office
Gary	McDowell	1,426	10	56.8		89	5	29	28	44	4.38	+0.71	0.80	T.	16					U. S. Coal & Coke Co.
Hinton	Summers	1,431	29	59.5	+ 2.9	86	4	36	26	30	5.89	+3.33	1.35	0	14	3	9	19		Mrs J. R. Baber
Huntington	Cabell	538	32	56.6	+ 0.4	84	4	33	26	33	5.32	+2.94	1.40	T.	14	11	4	16	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	7								4.52		0.72	0	12					J. O. Brown
Kayford	Kanawha	1,336	10								6.09		1.33	T.	17					Cabin Creek Con. Coal Co
Kermit	Mingo	579	0								2.76		0.60	0	10					E. B. Kirk
Lewisburg	Greenbrier	2,250	26	53.8	+ 0.2	80	4	24	28	39	7.46	+4.61	2.37	T.	10	8	9	14	nw.	Geo. T. Argabrite
Logan	Logan	700	23								3.56	+0.81	0.96	0	10					J. R. Wampler
Marlinton	Pocahontas	2,131	27	49.1	− 1.2	78	4	20	28	36	5.44	+2.45	1.52	T.	11	6	16	9	sw.	S. L. Brown
Organ Cave	Greenbrier		0								6.27		1.70	0	14	12	4	15	w.	J. J. Hedrick
Point Pleasant	Mason	595	33	57.3	− 0.3	85	5	29	26†	40	5.14	+2.55	1.20	T.	13	6	7	18	nw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	11	57.8		88	13	33	26†	35	5.08		1.60	0	9	13	0	18	nw.	Lockmaster
Robertsburg	Putnam	570	26	56.0	− 1.4	90	4	28	26	40	4.26	+1.48	0.93	0	15	14	0	17		M. Frazier
Ryan	Roane	700	23	54.2	− 0.6	89	4	25	26†	45	3.63	+0.18	0.74	T.	11	11	8	12		Wm. E. Ryan
Sharples	Logan		6								5.83		1.08	0	12					R. W. Howard
Sissonville	Kanawha	625									4.17		1.46	T.	7					J. N. Johnson
Spencer	Roane	789	22	55.6	+ 0.4	87	4	31	28	34	4.78	+1.57	0.94	T.	13	1	16	14		A. M. McKown
Sutton	Braxton	850	20	54.8^{e}	− 3.1	87	3†	29^{e}	28	41^{e}	5.00	+1.91	0.88	1.0	12	19	0	12		C. B. Eakle
Union°	Monroe	2,250	22	56.4	+ 2.3	86	5	25	28	41	5.61	+2.77	1.70	T.	9	7	10	9		W. M. H. Young
Wayne	Wayne	598									7.02		1.32		13					Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	16	54.6	+ 1.9	86	3†	23	27	46	6.59	+3.77	1.80	0	15	13	7	11		H. E. Green
Averages and	extremes			55.9	0	90	1†	20	28	46	4.89	+1.98	2.37	T.	12	10	7	14	w.	
State averages and	extremes			54.9	− 0.3	92	3†	20	26†	48	4.79	+1.72	2.37	0.3	12	10	8	13	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used i determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for October, 1926

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖‖	Potomac	....	.04	1.24	.02	....	.14	.06	....	....	....	T.	....	.41	1.12	.21	....	.77	T.	....	1.63	.71	....	....	.07	1.24	.03	....	....	....	.97	.08	8.74
Brandywine	...do	.50	.30	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	.60	....	....	.15	....	....	.10	1.00	.10	....	....	....	....	....	.10	2.85
Harpers Ferry ‖‖	...do	.07	T.	.04	....	....	.74	....	....	....	....	....	....	....	....	....	....	.13	....	....	.40	.16	....	....	.28	.95	....	....	....	....	....	.20	2.97
Inwood	...do	.15	.05	.17	.05	....	.37	....	....	....	....	....	....	....	.21	....	....	.10	....	....	.37	.23	....	....	.25	.95	....	....	....	....	....	.25	3.15
Martinsburg‖‖	...do	.08	.05	.50	.05	....	.40	.02	....	....	....	....	....	....	.20	....	....	.10	....	....	.38	.36	....	....	.20	.96	T.	....	....	....	....	.15	3.44
Moorefield	...do	.06	1.07	....	....	....	.26	....	....	....	....	....	....	.20	....	....	....	.38	....	....	.47	....	....	....	.60	....	....	....	....	....	....	.42	3.46
Piedmont	...do	....	.56	....	....	.03	....	....	....	....	....	....	....	.27	....	....	.04	....	.01	....	.60	.02	....	....	1.09	.04	....	....	....	.06	.01	.06	2.79
Romney ‖‖	...do	....	.75	....	....	.48	....	....	....	....	....	....	....	.35	....	....	....	....	....	.75	....	....	....	.27	....	....	....	....	....	....	....	....	2.60
Stony River Dam‖‖	...do	.15	.04	.90	....	....	....	.04	....	....	....	....	....	....	.70	....	....	.46	....	.09	.67	.32	....	....	.10	.71	.12	....	....	....	.38	.10	4.78
Upper Tract	...do	....	.75	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.25	....	....	....	T	....	.10	1.10
Northern Division																																	
Aberdeen	Monongahela	.05	.70	.02	....	T.	.33	.06	....	....	T.	T.	....	.81	.02	....	....	.46	....	....	.83	....	....	....	.47	.41	.04	....	....	.18	T.	.52	4.90
Bens Run	Ohio	....	.79	....	....	.75	.09	....	....	....	....	....	....	.30	....	....	....	.09	....	....	.13	....	....	.83	....	.68	....	....	....	....	....	1.00	4.66
Benson	Monongahela	....	.45	.04	....	.06	.43	....	....	....	....	....	....	.90	....	....	....	.77	....	....	.67	....	....	....	.79	.46	.02	....	....	.16	.02	.60	5.37
Brownsville	...do	T.	1.09	.01	....	....	.28	.07	....	....	....	.03	....	.73	.08	....	....	.51	....	T.	.83	.03	....	.03	.02	.39	.02	....	....	.32	.03	.43	4.90
Bruceton Mills	...do	.01	.64	....	....	.18	.06	T.	....	....	....	T.	....	.26	....	....	.07	.25	.07	....	.47	....	....	....	.54	.71	....	T.	....	.26	T.	.35	3.87
Buckhannon	...do	.10	.73	T.	....	.18	.28	....	....	....	....	.05	....	.75	....	....	T.	.48	T.	....	1.06	....	....	.10	.47	.48	T.	....	....	.25	T.	.50	5.43
Cairo	Little Kanawha	....	.51	....	....	.94	.01	....	....	....	....	T.	....	.38	....	....	....	....	....	T.	....	T.	....	....	1.78	.10	....	....	....	.15	....	.17	4.04
Clarksburg ‖‖	Monongahela	.03	....	1.16	....	....	.19	.02	....	....	....	....	....	1.15	.23	....	....	.54	....	.01	.36	.24	....	....	.19	.79	.03	....	....	....	.14	.41	5.49
Cortland ‖‖	...do	....	....	1.85	....	....	....	....	....	....	....	....	....	.90	....	....	....	.50	....	....	.80	T.	....	....	.60	.18	....	....	....	.50	....	....	5.33
Crawford	Little Kanawha	.01	.60	....	....	.19	.21	....	....	....	....	.09	....	.62	....	....	....	.33	.02	....	1.05	....	....	.02	.31	.65	....	....	....	.20	....	.59	4.89
Creston ‖‖	Monongahela	.05	....	.95	....	....	.50	.05	....	....	....	T.	....	.20	.46	....	....	.35	....	.05	.60	.10	....	.06	.10	1.08	T.	....	....	.15	.11	.50	5.31
Dam 10, Mon. R.‖‖	Ohio	....	.06	.52	....	....	1.27	.07	....	....	....	....	....	.19	....	....	....	.16	....	.03	.18	.12	....	....	.15	.99	.07	....	....	.03	.26	.41	4.51
Dam 12, O. R.‖‖	...do	....	.15	.56	....	....	.35	.12	....	....	....	....	....	....	.25	....	....	T.	....	T.	.10	T.	....	.07	.20	.96	....	....	....	.12	.30	.91	4.09
Dam 13, O. R.‖‖	Monongahela	....	.45	.65	....	....	.53	.05	....	....	....	.02	....	....	.26	....	....	.01	T.	.04	.10	.02	....	....	.10	1.20	....	....	....	....	.32	.78	4.53
Dam 15, Mon. R.‖‖	...do	....	.04	.88	....	....	1.06	.10	....	....	....	.06	.04	.11	.42	....	....	.14	....	.03	.21	.11	....	....	.14	.92	.06	....	....	.03	.16	.26	4.77
Davis ‖‖	...do	.13	.04	1.07	T.	T.	.30	.08	....	....	....	....	.07	.50	.49	....	....	.55	....	.07	.68	.54	T.	.05	.28	.83	T.	T.	....	....	.37	.12	6.17
Elizabeth (D'm 3 L K)	Little Kanawha	....	.02	.89	....	....	.67	.09	....	....	....	....	....	.18	.35	....	....	.38	....	....	.52	....	....	....	.25	1.27	....	....	....	....	.28	.57	5.47
Elkins ***	Monongahela	.01	.60	.06	....	.06	.10	....	....	....	....	.02	....	.34	....	....	.71	.09	T.	T.	.95	T.	....	.03	.58	.27	T.	T.	....	.12	T.	.21	4.15
Evenwood	...do	.09	1.00	.29	T.	.06	.27	....	T.	....	....	T.	.21	.34	.06	.09	....	....	T.	....	.76	....	....	.89	1.12	.47	.03	....	....	.31	....	.26	6.25
Fairmont ‖‖	...do	T.	1.05	....	....	1.02	.17	....	....	....	T.	T.	.12	.46	....	....	.10	....	....	T.	.22	.10	....	....	.25	.72	T.	....	....	.04	.18	.40	4.83
Glenville ‖‖	Little Kanawha	.08	....	.67	....	....	.28	.12	....	....	....	T.	....	.38	.20	....	....	.32	....	.05	.66	.15	....	.05	.28	.42	.20	....	....	.06	.21	.52	4.65
Horner	Monongahela	....	1.30	.03	....	.10	.23	....	....	....	....	.05	....	.45	.05	....	....	.70	....	....	1.02	....	....	.05	.50	.38	....	....	....	.27	....	.50	5.63
Horton	...do	.08	.79	.08	....	....	....	.29	....	....	....	.14	....	.20	....	....	....	.68	....	....	.78	....	....	....	.64	.14	....	....	....	.12	....	.19	4.13
anelew(near)	...do	....	1.00	....	....	....	.35	....	....	....	....	....	....	.85	....	....	....	.45	....	....	.75	....	....	....	.65	.40	....	....	....	.16	....	.60	5.21
ost Creek	...do	T.	.91	....	....	.20	.12	....	....	....	....	T.	....	1.01	....	....	T.	.69	T.	....	.85	....	....	.02	.80	.51	T.	....	....	.10	T.	.73	5.94
Mannington	...do	....	1.12	.10	....	.35	.70	....	....	....	....	.02	T.	.06	....	....	.02	.07	.02	....	.18	.02	....	T.	.79	.42	.02	....	....	.24	.06	.66	4.85
Morgantown	...do	....	.68	....	....	.92	.17	....	....	....	....	T.	....	.29	....	....	....	.12	T.	....	.25	....	....	....	.66	.60	....	....	....	.17	....	.72	4.58
Moundsville‖‖	Ohio	....	.79	.07	.01	.62	.08	....	....	....	....	.01	....	.22	....	....	T.	.04	.02	....	.17	.03	.03	T.	.69	.82	T.	....	....	.45	.23	.98	5.26
ew Cumberland‖‖	...do	....	.38	T.	....	....	....	....	....	....	.05	....	....	....	.17	....	....	.05	.12	.38	.14	T.	....	.13	.14	1.18	.02	....	....	.06	.38	.55	3.75
ew Martinsville	...do	....	.90	....	....	1.25	....	....	....	....	....	....	....	.25	....	....	.05	....	.05	....	.35	....	....	....	.85	.60	T.	....	....	.45	.10	.90	5.75
Parkersburg ***	...do	....	.71	.01	....	.27	T.	....	....	....	T.	....	....	.29	....	....	.07	....	T.	T.	.28	....	....	....	1.26	.24	T.	....	....	.24	.23	.58	4.18
arsons	Monongahela	.16	T.	.90	....	.57	.09	....	....	....	....	.01	....	.16	.58	....	....	.54	....	.02	.88	.35	.03	....	.14	.81	.06	....	....	.02	.21	.13	5.66
hilippi	...do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
ckens	...do	.06	1.12	.05	....	.18	.22	....	....	....	T.	.25	....	.77	....	....	....	.80	.10	....	1.20	....	....	....	.70	.40	T	.08	....	.40	....	.57	6.90
oanoke	...do	.02	.23	....	....	....	.35	.14	....	....	....	.04	....	.70	.05	....	....	.70	T.	....	1.14	....	....	.05	.56	.40	.04	....	....	.21	.02	.60	5.25
wlesburg ‖‖	...do	....	.09	1.53	....	....	.30	.07	....	....	....	....	....	.20	.43	....	....	.55	T.	....	.36	.63	....	....	T.	1.05	T.	....	....	.16	.43	.19	5.99
int Marys ‖‖	Ohio	T.	....	.22	....	....	.68	.08	....	....	....	.02	....	.18	.02	....	....	.12	....	....	.18	....	....	....	.26	1.12	....	....	....	.11	.23	.72	3.94
ithfield‖‖	Fishing Creek	....	....	2.31	....	....	.27	....	....	....	....	....	....	....	....	....	....	....	.05	....	....	....	....	....	....	.21	....	....	....	.07	.25	.48	3.64
rra Alta	Monongahela	....	.57	....	....	.07	.31	.01	....	....	....	.09	....	.67	....	....	.09	.39	.05	....	.80	.01	....	....	.68	.35	T.	T.	....	.18	.08	.30	4.65
lley Chapel	...do	....	.95	.03	....	....	.68	.03	....	....	....	.03	....	.82	....	....	....	.56	....	....	.71	....	....	....	.42	.48	....	....	....	.13	.03	.63	5.50
ndalia	...do	.10	.30	....	....	.15	....	.10	....	....	....	....	....	.45	....	.15	....	.30	.10	1.20	....	....	....	....	.64	.17	....	....	....	.49	....	.32	4.47
llsburg	Ohio	....	.52	.13	....	.31	.02	....	....	....	....	....	....	.14	....	....	....	.09	.07	....	.09	....	.06	....	.62	.63	....	....	....	.39	.04	.95	4.06
st Milford	Monongahela	.50	....	....	....	.28	.15	....	....	....	....	.08	....	1.05	.03	....	....	.68	....	....	.75	....	....	....	.80	.40	....	....	....	.20	....	.64	5.56
ston	...do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
eeling‖‖	Ohio	T.	.40	.50	....	....	.44	.10	....	....	....	T.	T.	....	.31	....	....	.01	.02	.01	.06	T.	....	.03	.10	1.10	.02	....	....	.12	.35	.73	4.30
odlands ‖‖	...do	....	.13	.56	....	.03	.72	.12	....	....	....	.03	....	.13	....	....	....	....	.03	....	.16	.06	....	.02	.12	1.26	T.	....	....	.28	.48	.92	5.05
Southern Division																																	
bovale	Great Kanawha	.11	.32	....	....	.49	....	....	....	....	....	....	....	.07	....	....	....	.50	.06	....	.88	....	....	.10	1.29	.07	....	....	....	.07	....	.36	4.23
ncroft ‖‖	...do	.10	....	.78	....	....	.35	....	....	....	....	.05	....	.70	.33	....	....	.30	....	....	.75	.05	....	.08	.28	1.07	....	....	....	....	.08	.55	5.47
ckley	...do	....	....	....	....	....	....	....	....	....	....	....	....	2.00	....	....	....	....	....	....	....	....	....	....	2.01	T.	....	....	....	....	....	.26	4.27
nefield	...do	....	....	....	....	....	.04	....	....	....	....	.08	....	.15	....	....	....	....	....	....	....	....	....	....	....	.70	.07	....	....	....	....	....	1.04
nden-on-Gauley‖‖	...do	....	....	....	....	....	....	....	....	....	....	....	....	.80	....	....	1.00	....	....	....	.70	....	....	....	....	T.	....	....	....	....	....	T.	2.50
arleston ‖‖	...do	.20	....	1.00	.06	....	.40	....	....	....	....	....	.04	.52	.40	....	....	.22	....	....	.38	.32	....	....	.16	1.00	T.	....	....	....	.10	.64	5.44
y ‖‖	...do	....	....	1.20	....	....	.18	....	....	....	....	.05	....	.51	.18	....	....	.50	....	....	.55	.23	.05	....	....	.88	.05	....	....	....	....	....	4.38
n 6 G. K. ‖‖	...do	.05	....	....	.48	....	....	....	....	....	....	....	....	.78	T.	....	....	.24	....	....	.50	T.	T.	....	.30	.91	....	....	T.	T.	....	.60	3.86
n 19 O. R. ‖‖	Ohio	.02	.34	.98	....	....	.72	T.	....	....	....	....	....	1.05	T.	....	....	.05	....	T.	.32	.02	....	....	.28	1.52	.03	....	....	.10	.22	.80	6.45
n 20 O. R. ‖‖	...do	.02	....	.46	....	....	.44	.08	....	....	....	....	....	.24	.09	....	....	.17	....	....	.39	T.	....	....	.32	1.62	....	....	....	.08	.15	.70	4.76
n 26 O. R. ‖‖	...do	....	....	.80	....	....	.75	....	....	....	....	.05	....	.30	.04	....	....	.30	....	....	.50	.05	....	.04	.25	1.35	....	....	....	.06	.30	.45	5.24
y‖‖	Big Sandy	.15	....	....	....	....	.19	.02	....	....	....	.08	.01	.50	.42	....	....	.25	....	....	.80	.50	....	.03	.42	.52	.02	.01	....	....	....	.46	4.38
ton ‖‖	...do	.55	....	.28	....	....	.13	....	....	....	....	.08	....	1.35	.16	....	....	.55	....	....	1.15	.28	....	.04	.56	.31	.01	....	....	....	....	.44	5.89
ntington ‖‖	Ohio	.24	....	.20	....	....	.24	....	....	....	....	.06	....	1.06	.34	....	....	.06	....	....	.60	.02	....	.06	.34	1.26	T.	....	....	....	.06	.78	5.32
awha Falls‖‖	Great Kanawha	.28	....	.62	....	....	.13	.05	....	....	....	....	....	.55	.47	....	....	.15	....	....	.40	.43	....	....	.12	.72	....	....	....	....	....	.60	4.52
ford‖‖	...do	.53	....	1.33	....	....	.21	.05	....	....	....	.03	T.	.38	.43	....	T.	.13	....	.01	.58	.65	....	.05	.20	.78	.05	....	....	....	.08	.60	6.09
mit ‖‖	Big Sandy	....	....	....	....	....	.35	....	....	....	....	.15	....	.15	.18	....	....	.08	....	....	.60	....	....	....	....	.60	.20	....	....	....	.20	.25	2.76
isburg	Great Kanawha	....	2.37	.15	....	....	.52	....	....	....	....	....	....	1.01	....	....	....	.51	....	....	1.21	....	....	.03	1.12	.18	....	....	....	....	....	.36	7.46
an ‖	Guyandotte	T.	....	....	....	....	.50	....	....	....	....	T.	....	.10	.11	....	....	.21	....	....	.87	.09	....	.02	.16	.75	T.	....	....	....	....	.75	3.56
linton	Great Kanawha	....	.28	....	....	.14	.42	....	....	....	....	....	....	.52	....	....	....	.54	T.	....	1.34	....	....	.04	1.52	.18	....	....	....	.04	....	.42	5.44
n Cave	...do	.15	.18	.22	.15	....	.05	....	....	....	....	.15	....	1.10	.18	....	....	.32	....	....	1.23	....	....	.07	1.70	....	....	.07	....	....	....	.70	6.27
t Pleasant ‖‖	Ohio	.05	....	.36	....	....	.62	....	....	....	....	....	....	.20	....	....	....	.22	....	....	.60	.05	....	....	.50	1.20	T.	T.	....	.16	.26	.92	5.14
enswood (Dam 22	...do	....	.10	.25	....	....	....	....	....	....	....	....	....	.20	.24	....	....	.42	....	....	.94	T.	....	....	T.	1.60	T.	....	....	T.	.25	1.08	5.08
ertsburg ‖‖	Great Kanawha	.02	....	.73	....	....	.19	....	....	....	....	....	....	.14	.03	....	....	.23	....	....	.65	.03	....	.02	.25	.93	.02	....	....	.17	.09	.76	4.26
n	...do	.05	.39	....	....	.20	T.	....	....	....	....	.15	....	....	....	....	T.	....	.13	....	.74	....	....	.04	.61	.59	....	....	....	.13	....	.60	3.63
ples‖‖	Coal River	.98	....	.53	....	....	....	....	....	....	....	.28	....	.42	.14	....	....	.21	....	....	1.08	.21	....	.05	.11	.81	T.	....	T.	....	....	.98	5.83
nville ‖‖	Great Kanawha	....	....	....	....	*	*	....	....	....	....	....	....	.65	....	....	....	....	....	.68	.76	....	....	....	....	1.46	....	....	....	....	....	.62	4.17
cer ‖‖	...do	.17	....	.29	....	....	.26	....	....	....	....	.06	....	.50	.29	....	....	.21	....	....	.72	.14	....	T.	.19	.94	T.	....	....	....	.44	.57	4.78
m	...do	....	.55	....	....	.35	....	....	....	....	....	.20	....	.42	....	....	....	.57	.18	....	.88	....	....	.15	.54	.48	....	....	....	.20	....	.48	5.00
n	...do	.21	.05	....	.59	....	.39	....	....	....	....	....	....	1.13	.18	....	....	....	.28	....	1.70	....	....	T.	....	1.08	....	....	....	....	....	....	5.61
ne ‖	Big Sandy	.11	....	.68	....	....	.32	....	....	....	....	.14	....	1.10	.21	....	....	.17	....	....	.64	....	....	.06	.33	1.24	....	....	....	....	1.32	.70	7.02
e Sulpr. Spgs. ‖‖	Great Kanawha	....	1.80	.10	....	.50	.03	....	....	....	.06	....	.65	.15	....	....	.40	....	.07	1.03	.25	....	....	.50	.75	....	....	....	....	....	.25	.05	6.59

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete.

Daily Temperatures for October, 1926

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	67	76	80	86	81	71	55	55	60	69	62	73	72	84	69	74	71	61	58	58	46	58	56	54	52	37	46	68	62	69	62	64.3
	Minimum	53	47	54	53	53	49	38	30	25	37	52	41	45	41	43	50	33	34	31	37	33	21	37	41	27	23	27	20	34	52	34	38.5
Brandywine	Maximum	65	80	85	84	85	80	75	72	70	74	70	72	68	70	65	68	58	65	70	60	61	58	52	55	52	50	55	60	65	70	52	66.6
	Minimum	57	58	64	60	58	50	49	29	28	34	54	50	48	47	44	34	39	31	36	37	38	27	40	35	36	30	32	23	34	40	42	41.4
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Inwood	Maximum	65	74	87	87	86	70	57	61	63	78	68	70	69	68	66	62	55	65	57	52	54	61	57	59	47	47	52	61	68	71	....	64.6
	Minimum	56	58	58	63	63	58	44	37	34	40	59	54	52	45	48	38	46	35	42	40	40	30	40	41	44	32	27	25	32	41	45	41.1
Martinsburg§	Maximum	66	73	87	89	87	72	60	65	63	82	72	73	70	70	67	64	58	61	58	52	55	62	58	55	47	51	56	63	62	75	....	65.8
	Minimum	55	59	58	60	62	59	47	35	36	39	46	53	52	44	47	35	36	36	42	40	41	28	34	43	45	32	26	24	30	43	52	43.2
Moorfield	Maximum	73	81	92	92	89	82	68	66	68	80	72	80	75	....	70	68	65	58	66	61	60	69	....	70	55	51	56	68	67	79	75	70.9
	Minimum	58	60	59	60	62	56	46	35	34	40	53	53	53	....	43	38	41	35	40	52	52	29	....	36	38	25	34	25	33	42	36	43.7
Piedmont	Maximum	62	65	84	86	87	74	54	60	65	77	65	71	73	69	65	56	58	63	64	50	52	65	55	52	48	42	53	64	63	74	62	63.8
	Minimum	57	59	58	59	60	53	40	32	32	40	56	53	53	45	38	42	42	34	41	43	39	30	42	48	35	31	28	27	38	53	39	43.5
Romney	Maximum	72	87	....	91	75	58	65	68	58	79	74	72	73	69	58	68	54	64	51	....	....	....	67	54	49	41	69	66	80	77	....	66.9
	Minimum	57	59	58	....	58	55	39	33	34	38	56	54	55	45	46	36	39	33	42	40	....	....	....	28	36	32	28	25	38	52	42	42.9
Upper Tract	Maximum	66	66	76	76	72	70	60	58	63	67	72	75	74	71	73	....	52	58	60	....	62	63	....	....	39	58	64	64	64	...	44	64.1
	Minimum	55	56	59	58	51	51	45	33	34	42	48	50	48	45	44	....	35	35	35	....	30	29	....	....	31	32	27	26	51	....	41	42.0
Wardensville§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Northern Division																																	
Bens Run	Maximum	85	74	84	88	76	67	58	65	68	72	66	76	68	70	68	70	61	63	63	52	55	59	58	57	'57	46	51	71	66	66	61	65.8
	Minimum	58	64	61	62	64	53	41	44	48	41	59	52	56	49	46	41	42	39	47	45	42	34	46	44	33	32	36	33	55	51	38	47.0
Buckhannon	Maximum	71	76	79	80	79	67	54	48	60	69	62	70	64	59	59	68	57	60	60	49	50	58	54	59	56	41	48	65	60	68	60	61.6
	Minimum	56	57	60	58	62	50	44	38	33	45	56	45	55	45	45	38	45	36	45	46	40	31	44	49	33	29	35	29	48	54	40	44.9
Cairo	Maximum	82	77	83	85	79	64	58	63	63	70	65	74	68	69	65	60	56	65	54	52	55	59	55	57	50	47	51	70	63	68	61	64.2
	Minimum	59	60	59	59	61	50	37	37	37	43	58	51	54	50	47	43	42	41	47	46	43	39	48	40	35	35	38	39	57	53	45	46.9
Clarksburg §	Maximum	81	73	85	88	84	61	57	62	67	72	65	78	73	69	66	74	56	63	51	50	54	62	60	58	38	46	51	71	59	69	42	64.0
	Minimum	54	57	61	60	61	55	43	39	37	41	53	53	51	52	46	39	42	35	44	47	37	31	36	48	34	30	31	29	35	55	42	44.5
Creston	Maximum	85	85	87	88	81	67	60	65	66	72	67	79	69	71	67	73	65	64	66	57	55	64	59	59	58	45	51	70	67	68	64	67.6
	Minimum	60	61	60	62	63	51	37	35	37	45	57	50	55	54	45	48	45	36	40	40	41	32	54	49	33	34	35	30	50	52	38	46.1
Elkins	Maximum	71	74	79	84	80	62	50	56	60	69	62	73	66	63	60	68	52	63	58	55	47	60	55	58	49	39	46	69	61	70	57	61.8
	Minimum	57	60	60	58	57	44	38	36	32	41	54	50	51	49	41	37	34	34	43	40	31	29	45	49	29	28	28	25	56	55	36	42.8
Fairmont§	Maximum	87	71	84	92	85	68	61	65	68	72	64	81	76	73	72	75	55	61	55	49	60	61	61	57	37	48	54	72	58	70	63	66.3
	Minimum	58	60	60	58	60	53	43	40	36	38	57	54	54	48	45	38	43	36	45	43	39	32	37	47	33	28	30	29	32	51	41	44.1
Glenville	Maximum	80	78	85	86	87	82	64	65	80	72	69	81	76	75	87	84	81	68	66	60	55	61	61	60	68	45	50	69	67	71	69	71.0
	Minimum	58	55	58	57	56	50	50	36	36	41	53	50	53	50	43	45	40	36	38	47	39	33	38	39	36	28	35	38	48	50	39	44.4
Grafton (near)§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lost Creek	Maximum	84	79	85	89	82	70	59	65	69	70	67	78	76	70	68	74	62	61	63	54	55	62	60	58	58	45	53	71	66	70	67	67.4
	Minimum	54	57	60	57	64	53	42	37	33	43	57	50	50	50	45	35	41	38	40	41	35	30	42	45	32	30	33	30	51	60	45	44.6
Mannington	Maximum	77	73	78	83	78	68	56	59	61	72	66	72	68	65	61	70	58	60	60	50	52	58	57	56	55	43	47	67	63	68	64	63.4
	Minimum	52	58	59	58	60	52	43	39	33	44	57	55	52	45	43	38	45	34	45	40	39	31	44	44	33	25	31	28	47	52	38	44.1
Morgantown	Maximum	76	71	82	87	82	66	56	60	62	73	65	74	66	67	62	71	62	60	60	48	....	58	56	57	58	48	48	67	62	67	62	61.4
	Minimum	58	62	63	64	64	52	43	41	33	48	56	52	54	46	48	42	44	37	42	42	....	36	46	47	32	29	40	32	55	49	36	46.4
New Cumberland§	Maximum	80	78	83	86	71	71	66	61	60	70	74	74	60	69	63	78	56	62	52	49	55	50	61	57	39	45	46	68	55	69	....	63.6
	Minimum	50	52	65	62	60	51	55	42	36	36	32	54	51	42	43	38	42	35	42	42	38	36	36	38	34	31	30	32	42	44	38	43.0
New Martinsville	Maximum	86	81	88	90	87	68	59	67	62	73	69	79	72	71	69	72	60	63	68	64	58	58	64	59	59	51	51	72	68	68	63	68.4
	Minimum	52	60	59	59	55	50	38	37	36	43	55	52	56	45	45	56	41	34	46	46	38	30	41	42	32	27	31	28	53	42	35	44.0
Parkersburg	Maximum	84	78	86	87	76	62	60	65	65	70	67	76	68	71	65	69	56	65	54	52	55	59	59	57	44	47	51	70	63	68	46	64.4
	Minimum	59	65	64	65	60	47	43	38	44	53	56	51	56	51	47	43	41	42	47	46	40	39	47	44	35	35	38	39	54	46	36	47.5
Parsons	Maximum	83	76	68	82	84	70	50	59	....	....	....	....	....	....	....	....	....	53	49	59	54	62	53	58	52	37	50	67	65	70	56	61.7
	Minimum	53	53	56	58	52	50	41	36	....	....	....	....	....	....	....	....	....	36	34	36	34	30	39	35	31	28	28	25	40	40	37	39.6
Philippi	Maximum	76	73	81	85	81	70	56	60	63	68	70	75	73	78	76	71	62	56	58	60	57	61	59	58	45	41	45	69	67	69	67	65.5
	Minimum	60	57	61	63	65	52	40	38	32	47	47	50	50	53	47	43	42	43	48	52	40	33	44	35	30	27	31	36	36	35	37	44.3
Pickens	Maximum	74	78	76	82	79	58	48	55	58	67	60	72	63	63	60	65	54	56	59	52	45	53	50	53	51	35	43	64	54	64	49	59.4
	Minimum	54	55	54	55	52	43	33	28	29	43	49	41	45	36	37	35	29	28	41	35	27	25	42	45	21	20	24	24	49	49	31	35.0
Terra Alta	Maximum	66	71	76	80	77	66	49	55	58	67	58	70	63	61	58	67	54	55	56	46	45	55	52	53	54	36	44	66	58	65	57	59.3
	Minimum	54	54	60	51	60	46	38	36	33	41	53	48	44	41	46	32	39	33	39	36	34	25	43	45	26	24	30	23	43	52	33	40.7
Wellsburg	Maximum	79	74	78	85	73	68	55	60	62	71	68	72	62	66	60	67	57	61	62	50	53	49	56	58	56	43	46	66	64	65	62	62.8
	Minimum	50	61	62	58	63	52	43	35	32	42	56	54	53	39	44	35	42	35	44	42	37	32	36	40	33	30	28	29	52	48	35	43.3
Weston	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Wheeling§	Maximum	84	78	83	91	76	61	63	68	69	74	62	79	64	74	69	70	58	62	59	51	63	52	66	58	40	49	47	71	58	67	42	64.8
	Minimum	49	55	61	60	60	40	40	35	35	38	52	55	54	42	44	40	40	36	43	43	36	32	35	41	30	28	29	29	42	47	37	42.2
Southern Division																																	
Bluefield	Maximum	74	81	....	85	81	71	63	63	70	....	69	76	71	72	67	66	....	68	73	68	49	64	69	....	60	43	46	62	68	73	....	67.4
	Minimum	61	62	....	62	62	52	42	36	40	....	50	52	59	54	47	41	....	38	52	47	39	31	42	....	31	26	33	30	49	40	..	45.3
Charleston	Maximum	90	88	87	90	81	65	63	68	71	73	64	82	75	70	70	76	60	70	68	58	57	67	58	62	43	48	56	72	63	74	46	68.2
	Minimum	64	64	64	65	64	54	42	42	42	48	54	56	56	55	51	47	47	41	50	48	45	36	37	47	36	29	32	34	38	54	44	47.9
Gary §	Maximum	83	85	84	80	89	67	59	65	69	74	64	83	69	74	67	74	56	72	74	60	50	67	64	66	42	48	52	71	74	75	46	67.8
	Minimum	64	59	61	62	59	54	42	37	38	48	57	57	59	56	48	46	47	39	41	53	41	33	33	44	35	30	32	29	30	46	44	45.9
Huntington §	Maximum	79	82	83	84	75	62	60	64	71	68	66	73	70	68	64	70	55	69	61	56	54	63	55	59	42	47	50	68	62	66	44	64.2
	Minimum	65	65	66	66	68	55	43	40	42	53	58	55	55	55	50	45	45	45	45	45	44	39	42	49	38	33	35	35	40	55	44	48.9
Lewisburg	Maximum	70	77	78	80	79	72	55	59	63	69	64	73	71	67	65	64	60	64	64	63	47	61	56	54	53	40	48	63	66	69	63	63.8
	Minimum	61	65	59	60	57	50	40	32	32	43	54	51	56	48	45	38	44	33	47	47	38	27	38	47	32	28	31	24	44	45	39	43.7
Marlinton	Maximum	60	72	74	78	74	64	50	54	56	64	64	68	64	62	60	58	54	62	60	54	46	58	56	50	50	34	42	56	58	60	52	58.5
	Minimum	56	56	56	56	54	46	36	30	28	36	50	50	52	42	40	36	34	28	46	42	30	38	38	44	28	24	24	20	34	44	34	39.7
Point Pleasant	Maximum	70	80	80	80	85	78	78	75	65	70	68	78	70	70	70	79	66	63	66	66	55	65	60	60	58	55	53	53	65	67	58	67.6
	Minimum	52	60	60	57	65	50	39	35	40	50	50	65	65	50	65	60	40	35	36	45	38	33	45	50	32	29	30	29	52	55	45	47.0
Ravenswood	Maximum	84	82	87	87	84	69	61	65	68	70	68	78	88	70	69	71	66	65	67	56	56	63	62	60	60	47	52	69	68	67	63	68.5
	Minimum	61	63	63	66	65	50	37	35	41	52	57	50	62	51	43	41	45	39	40	47	41	35	46	50	34	33	33	34	55	54	39	47.2
Robertsburg§	Maximum	84	85	86	90	75	64	62	68	73	70	69	80	70	72	74	75	60	67	65	57	58	65	57	60	42	47	60	74	62	67	47	67.[illegible]
	Minimum	60	63	64	65	66	51	37	35	38	52	48	44	49	50	42	44	40	39	39	40	42	32	40	45	35	28	31	34	36	54	40	44.6
Ryan	Maximum	86	84	87	89	80	66	60	65	67	72	66	80	70	70	67	73	60	65	67	67	60	50	53	58	56	40	60	70	60	60	55	66.5
	Minimum	61	61	60	59	60	50	34	31	34	42	53	46	54	50	41	36	42	33	32	34	38	28	40	46	30	25	27	25	43	42	38	41.8
Spencer §	Maximum	85	85	86	87	79	60	60	60	67	73	65	78	66	69	67	74	57	57	58	52	55	63	55	58	43	49	58	58	61	67	59	64.9
	Minimum	60	63	62	63	68	64	38	34	35	46	55	49	60	54	44	40	44	37	40	41	41	35	40	50	32	32	32	31	52	56	41	45.4
Sutton	Maximum	72	70	87	87	86	72	72	63	64	67	73	81	81	71	71	70	70	63	64	64	55	66	66	61	58	43	51	70	70	70	70	68.0
	Minimum	51	53	54	55	....	....	....	....	....	....	....	....	....	42	45	41	44	35	40	40	43	31	39	43	33	32	35	29	41	44	33	41.0
Union	Maximum	76	80	....	84	86	80	62	67	68	....	72	78	79	72	75	72	....	70	72	74	55	65	66	....	61	43	51	66	69	73	....	69.8
	Minimum	58	56	....	51	58	54	40	31	32	....	42	51	57	51	43	40	....	34	47	52	40	29	38	....	35	28	34	25	40	46	....	42.9
White Sulphur Spgs§	Maximum	82	81	86	86	69	60	65	68	74	66	77	70	72	71	66	73	71	70	64	51	68	62	56	42	43	59	69	73	75	56	59	67.2
	Minimum	61	60	60	58	53	40	33	33	38	48	52	55	50	44	38	41	33	46	48	40	25	32	41	35	28	30	23	33	45	47	29	42.0
Williamson §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 12 9 26 840)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXIV PARKERSBURG, W. VA., NOVEMBER, 1926 No. 11

GENERAL SUMMARY

November averaged cold and wet, with much cloudiness. The month was characterized by long periods of moderately cold weather, the highest and lowest temperatures being well within November records. Moderately high temperatures prevailed on only two or three days. In most of the agricultural districts the first killing frost occurred during the first four days. The precipitation was unfavorably distributed over the State and throughout the month, nearly one-half of the monthly amounts being received on the 15-16th. This rain caused floods in the streams and smaller rivers Owing to cold and wet weather, late farm work was much delayed. Winter wheat was in fair condition at the close of the month.

TEMPERATURE

The monthly mean for the State, determined from 47 stations, was 40.7°. The departure from the normal for 36 stations having ten or more years of record was —2.0°. The temperature was below the normal from the 1st to the 6th, 10th to the 13th, the 19th to the 23d, and on the 27th, the lowest readings being general on the 12th. The warmest weather prevailed from the 13th to the 16th, the highest temperatures being general on the 15th. The temperature was slightly above the normal on the 8-9th, 25-26th, and the 28-29th.

PRECIPITATION

The average precipitation for the State, determined from 82 stations, was 3.59 inches. The departure from the normal for 52 stations having ten or more years of record was +0.84 inch. Most of the precipitation fell on the 9-10th, 15-16th, 18-19th, 26-27th and 31st, the greatest amounts being recorded on the 16th. Over the upper Little Kanawha and Elk basins the 24-hour amounts on that date ranged generally from 2 to more than 4 inches. Light rain also fell on the 1st, 4th, and 20th-21st. Snow flurries or light snow fell in many localities on the 10th, 19th-21st, and 27-28th.

RIVERS

Excessive rain over the upper portion of the Little Kanawha Basin caused a marked flood in the Little Kanawha River. The 24-hour rainfall at Glenville was 3.50 inches, and a fall of 4.10 nches was measured for a 24-hour amount at Sutton, in the ipper Elk Basin. The crest stage at Glenville was 33.6 feet, he highest of record. The previous record is 32 9 feet. The rest stage at Creston was 23.7 feet, or 3.7 feet above the floodne. In the Glenville district much furniture was damaged by ater and stacked hay along the river was swept away. The hio River was not above the flood stage, although a decided se occurred in that river.

MISCELLANEOUS PHENOMENA

Fogs, dense: Brownsville, 1st; Elkins, 25th; Glenville, 25th; Marlinton, 1st, 3d, and 25th; Point Pleasant, 1st; Terra Alta, 30th; Wheeling, 4th, 8th, 12th, 14th, 25th, and 28th.

Halos, lunar: Clarksburg, 17th; Wellsburg, 28th.

Halos, solar: Moundsville, 7th, 8th, and 13th.

Sleet: Bayard, 2d; Bens Run, 18th; Brownsville, 27th; Davis, 2d; Elkins, 4th and 18th; Philippi, 18th and 25th.

Thunderstorm: Lewisburg, 9th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.10	77	60	65	120.8	40	6,861	9.5	36	s.	26
Columbus, Ohio	30.08	79	66	71	91.1	30	8,910	12.4	50	nw	26
Elkins	30.15	82	61	72	126.7	42	4,927	6.8	39	w.	16
Lexington, Ky	30.12	82	69	....	125.0	41	11,314	15.7	52	sw.	26
Parkersburg	30.12	74	59	65	75.7	25	4,909	6.8	30	se.	15
Pittsburgh, Pa	30.11	76	71	70	121.2	41	9,618	13.4	48	w.	26
Wytheville, Va	30.15	84	63	74	148.0	49	5,340	7.4	31	e.	15

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	42.5	80	8	3.01	......	......	......	......	......	......
1892	41.7	81	3	3.10	......	......	......	......	......	......
1893	41.4	74	3	2.12	3.22	0.47	......	13	6	11
1894	39.8	82	5	2.11	3.47	0.25	......	12	6	12
1895	[illegible]	[illegible]	12	2.35	4.00	0.20	......	12	8	10
1896	48.1	[illegible]	10	3.50	5.07	1.56	......	10	8	12
1897	45.0	76	13	4.45	7.15	0.30	......	9	9	12
1898	41.4	75	− 3	2.84	4.74	1.00	......	9	11	10
1899	45.6	76	[illegible]	[illegible]	3.49	0.20	T.	11	9	10
1900	[illegible]	86	[illegible]	[illegible]	8.88	2.71	2.8	8	8	14
1901	38.0	79	7	2.51	5.35	1.23	4.3	8	6	16
1902	50.3	83	12	3.27	4.56	1.23	0.7	11	6	13
1903	38.0	80	− 4	2.46	4.98	0.67	4.6	11	8	11
1904	41.2	75	9	0.64	3.05	0.07	1.4	12	7	11
1905	41.8	74	10	2.44	5.67	0.67	T.	13	7	10
1906	44.2	84	13	2.39	5.50	0.35	2.2	15	5	10
1907	41.8	74	13	3.40	7.05	1.41	1.0	10	8	12
1908	43.3	81	0	1.14	2.73	0.48	5.2	15	8	7
1909	49.1	84	12	1.34	3.85	0.23	0.2	14	7	9
1910	37.3	75	5	1.95	4.41	0.66	1.8	8	7	15
1911	40.5	83	7	2.74	5.54	1.27	2.0	10	7	13
1912	42.8	78	2	1.69	4.08	0.40	0.9	14	7	9
1913	44.5	82	− 1	4.49	7.50	0.61	13.4	12	5	13
1914	42.6	84	2	1.32	2.27	0.50	2.9	16	6	8
1915	45.2	85	11	3.06	5.99	1.15	1.1	13	8	9
1916	43.8	81	8	1.77	3.07	0.75	0.3	16	5	9
1917	39 6	78	0	0.89	3.65	0.05	1.5	16	4	10
1918	42.9	79	12	1.89	4.60	0.64	0.2	13	5	12
1919	44.4	80	10	4.51	7.53	0.85	0.3	12	6	12
1920	41.6	80	5	3.21	5.69	1.47	4.1	9	4	17
1921	46.1	85	11	5.99	8.81	2.52	0.8	7	6	17
1922	43.8	80	2	1.15	2.49	0.17	1.3	12	4	14
1923	42.3	73	10	3.49	5.35	1.70	0.7	13	3	14
1924	42.9	87	9	2.05	4.11	0.45	4.1	10	6	14
1925	40.6	78	6	3.66	6.62	0.65	0.9	11	5	14
1926	40.7	82	4	3.59	6.67	1.59	0.6	10	5	15
Means and extremes	42.9	87	− 4	2.71	8.88	0.05	2.1	12	6	12

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Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., November, 1926

See temperature and precipitation data in Climatological Tables, Pages 42, 43, and 44

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
larksburg	Evaporation	.015	.096	.045	.011	.042	.056	.019	.080	....																							
	Wind movement	35	63	41	12	85	54	24	5	30	119	75	26	20	14	30	80	116	45	89	120	85	50	29	28	38	39	169	27	40	20	....	1,608

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for November, 1926

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	25	36.6	− 1.6	67	15	4	12	42	5.17	+2.71	1.24	5.5	15	13	4	13	sw.	U. G. Clark
Brandywine	Pendleton	1,586	10	36.0	− 5.9	64	15†	9	12	33	2.70	+1.00	1.25	T.	5	19	1	10	n.	Elmer Keister
Burlington	Mineral	875	32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	37	...	...	...	...	...	...	...	4.68	+2.46	2.80	0	7	...	...	...	...	J. C. Newcomer
Inwood	Berkeley	569	4	41.2[a]	...	76[a]	1	18	8†	49[a]	2.93	...	1.97	0	5	9	8	13	nw.	L. E. Dills
Martinsburg	Berkeley	435	34	40.2[a]	− 2.5	69[a]	15	15	12	40[a]	5.22	+2.96	2.40	T.	10	20	3	7	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	30	...	...	70[a]	15	...	...	...	2.06	+0.45	0.97	0	5	26[a]	1[a]	2[a]	...	M. S. Henkel
Piedmont	Mineral	1,053	13	39.6	− 0.2	67	15	14	12	38	3.10	+1.09	1.50	0	3	12	6	12	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	28	40.2[a]	− 2.6	68[a]	8	12	13	52[a]	3.92	+1.95	1.33	0	5	11	6	13	...	George E. Bergdoll
Stony River Dam	Grant	3,300	6	...	...	...	...	...	...	...	3.25	...	1.38	1.0	10	7	3	20	w.	A. C. Becker
Upper Tract	Pendleton	1,230	27	36.2[d]	...	61[d]	14	11[d]	12	39[d]	...	...	...	...	...	11	0	19	...	J. M. Mallow
Averages and	extremes	...	...	38.6	− 2.6	76	1	4	12	52	3.67	+1.80	2.80	0.7	7	14	4	12	w-nw	
Northern Division																				
Aberdeen	Upshur	1,060	2	...	...	...	...	...	...	...	3.58	...	1.85	0.7	10	6	10	14	nw.	L. Else Bond
Bens Run	Pleasants	652	24	43.0	− 0.3	78	15	18	12	41	3.33	+0.78	2.05	T.	9	12	8	10	...	J. D. Riggs
Benson	Harrison	1,080	3	41.0	...	76	15	11	12	44	4.02	...	2.80	T.	11	8	7	15	...	R. D. Marts
Brownsville	Lewis	1,032	3	43.6	...	78	15	13	12	45	4.76	...	2.81	0.5	13	11	7	12	...	George M. Myers
Bruceton Mills	Preston	1,549	6	...	...	...	...	...	...	...	2.23	−0.42	0.58	1.2	7	3	11	16	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	29	41.4	0	73	15	15	12	39	3.79	+0.33	1.60	T.	10	11	4	15	...	H. A. Darnall
Cairo	Ritchie	680	27	41.6	− 2.2	77	15	12	12	36	3.95	+1.28	1.67	T.	12	9	5	16	...	O. C. Hess
Clarksburg	Harrison	1,015	4	39.4	...	77	15	14	12	44	3.88	...	2.31	T.	12	6[a]	6[a]	17[a]	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	15	...	...	...	...	...	...	...	3.15	+0.85	2.00	0.6	6	12	2	16	...	G. W. Harmon
Crawford	Lewis	1,107	3	...	...	...	...	...	...	...	4.21	...	2.52	0.5	7	7	12	11	w.	George W. Blair
Creston	Wirt	640	24	43.2	− 0.5	79	15	14	12	50	4.03	+1.53	2.03	T.	9	10	0	20	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	5	...	...	...	...	...	...	...	3.39	...	1.41	T.	14	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	10	...	...	...	...	...	...	...	3.39	+0.60	1.45	...	10	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	10	...	...	...	...	...	...	...	2.33	−0.43	1.44	...	8	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	5	...	...	...	...	...	...	...	4.03	...	1.95	T.	14	...	...	...	...	Lockmaster
Davis	Tucker	3,093	17	...	...	...	...	...	...	...	3.60	+0.63	1.15	3.0	14	10	7	13	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	14	...	...	...	...	...	...	...	2.90	+0.43	1.81	T.	6	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	25	39.3	− 1.0	70	15	11	12	43	2.04	−0.82	0.63	1.6	13	7	4	19	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	1	...	...	...	...	...	...	...	4.07	...	0.98	4.0	15	5	10	15	n.	Claude A. Cunningham
Fairmont	Marion	883	20	40.2	− 2.2	82	15	16	12	48	4.37	+1.50	2.70	0.5	8	10	6	14	w.	J. C. Robinson
Glenville	Gilmer	738	32	42.2[b]	− 1.4	75[b]	14	16	12†	52[b]	5.81	+2.83	3.50	0.5	13	8	8	14	w.	Howard R. Brannon
Horner	Lewis	1,044	3	...	...	...	...	...	...	...	4.11	...	2.30	T	11	15	1	14	...	Thomas E. Miles
Horton	Randolph	2,840	1	...	...	...	...	...	...	...	3.90	...	1.50	0.2	10	9	5	16	sw.	J. W. White
Janelew (near)	Lewis	1,020	3	42.6	...	77	15	10	12	44	4.35	...	2.50	0	5	16	2	12	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	28	42.6	− 0.4	80	15	11	12	45	4.42	+1.92	2.77	1.0	8	8	7	15	w.	Allen Smith
Mannington	Marion	985	23	41.0	− 0.3	76	15	13	12	41	3.81	+1.31	2.26	0.3	13	10	2	18	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	33	42.6[a]	− 0.8	80	15	16[a]	12	40[a]	3.73	+0.85	1.40	T.	5	1[a]	9[a]	19[a]	s.	Prof. E. L. Andrews
Moundsville	Marshall	689	23	...	...	79[n]	15	17[n]	12	...	...	...	...	...	...	...	...	...	...	U. S. Signal Corps
New Cumberland	Hancock	671	28	39.5[a]	− 1.8	77[a]	15	17	12	40[a]	3.37	+1.52	1.22	T.	10	9	2	19	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	32	42.6	− 1.9	80	15	13	12	45	3.60	+0.96	1.80	T.	8	9	5	16	s.	Wm. Ankrom
Parkersburg	Wood	638	39	42.4	− 1.4	77	15	20	12	35	2.46	−0.37	1.23	0.2	11	4	5	21	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	26	39.0	− 1.9	70	6†	11	11	49	2.13	−0.41	0.55	2.7	13	12	1	17	...	J. W. Swisher
Philippi	Barbour	1,550	29	41.6	− 1.5	73	15	16	12	37	4.33	+1.64	1.02	3.0	10	8	9	13	w.	Prof. W. B. Pimm
Pickens	Randolph	2,697	23	35.4	− 5.2	67	8	8	12†	38	3.76	−0.09	1.76	6.0	9	12	4	14	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	3	...	...	...	...	...	...	...	4.47	...	2.55	1.2	9	9	6	15	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	39	...	...	...	...	...	...	...	1.96	−1.12	0.60	...	9	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	17	...	...	...	...	...	...	...	3.71	+1.23	2.02	...	10	...	...	...	w.	Wm. Hughes
Smithfield	Wetzel	850	20	34.8	− 6.3	61	1	13	12	37	3.75	+0.78	2.42	0.5	6	12	7	11	...	G. M. Whisler
Terra Alta	Preston	2,559	25	36.7	− 4.8	65	15	5	12	38	2.54	−0.54	0.67	2.2	12	6	7	17	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	3	42.4	...	74	16†	14	12	44	4.43	...	2.90	T.	8	13	4	13	w.	J. C. Campbell
Vandalia	Lewis	1,120	3	...	...	...	...	...	...	...	3.20	...	1.90	0	5	...	...	...	...	Miss Phyllis West
Wellsburg	Brooke	668	25	41.2	− 0.1	77	15	13	12	38	4.62	+2.47	1.42	T.	10	11	4	15	w.	George P. Pfister
West Milford	Harrison	979	1	...	...	...	...	...	...	...	4.68	...	2.80	0	8	...	...	...	...	Miss Dieie E. Wagner
Wheeling	Ohio	645	39	39.0	− 3.1	80	15	15	12	47	3.02	+0.51	1.43	T.	10	4[a]	8[a]	17[a]	w.	Miss M. B. Forsyth
Woodlands	Marshall	...	...	...	...	...	...	...	...	...	3.06	...	1.65	0	9	9	12	9	w.	R. W. Rist
Averages and	extremes	...	...	40.7	− 2.0	82	15	5	12	52	3.64	+0.71	3.50	0.8	10	9	6	15	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	...	...	...	...	...	...	...	...	3.24	...	1.47	1.0	9	11	6	13	sw.	H. S. Sutton
Bancroft	Putnam	574	22	43.2	− 1.3	79	15	17	12	49	3.27	+0.87	1.65	T.	8	20	0	10	ne.	R. E. Dent
Beckley	Raleigh	2,440	26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	K. E. Williams
Bluefield[c]	Mercer	2 558	31	40.8	− 3.6	67	15	16	3	38	1.59	−0.69	0.50	T.	10	5	9	11	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	11	...	...	...	...	...	...	...	2.84	...	1.60	T.	3	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	23	42.7	− 5.5	75	14†	20	12†	51	4.41	+1.34	2.58	T.	7	10	0	20	...	R. O. Fields
Clay	Clay	706	10	...	...	...	...	...	...	...	5.27	...	2.70	...	6	...	...	...	...	Ted Thomas
Dam 6 G. K.	Kanawha	598	...	...	...	...	...	...	...	...	3.46	...	2.18	0	4	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	10	...	...	...	...	...	...	...	3.01	−0.35	1.32	...	11	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	10	...	...	...	...	...	...	...	2.97	−0.12	1.27	T.	10	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	10	...	...	...	...	...	...	...	2.39	...	1.01	T.	7	...	...	...	...	U. S. Engineer Office
Gary	McDowell	1,426	10	41.6	...	76	15	17	12	49	4.08	+0.41	1.96	1.0	14	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	29	44.6	+ 0.6	70	15	22	12	32	3.87	+1.67	2.50	T.	10	6	4	20	...	Mrs. J. R. Baber
Huntington	Cabell	538	32	40.6	− 3.0	74	15	20	12†	41	2.53	−0.26	1.05	0.6	9	7	3	20	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	7	...	...	...	...	...	...	...	4.86	...	2.50	0	7	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	10	...	...	...	...	...	...	...	4.77	...	2.03	T.	12	...	...	...	...	Cabin Creek Con. Coal Co
Kermit	Mingo	579	0	...	...	...	...	...	...	...	4.03	...	1.75	1.0	8	...	...	...	...	E. B. Kirk
Lewisburg	Greenbrier	2,250	26	39.2	− 2.3	68	15	13	12	38	2.10	−0.36	0.91	T.	7	11	4	15	...	Geo. T. Argabrite
Logan	Logan	700	23	...	...	...	...	...	...	...	4.49	+1.62	2.00	T.	10	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	27	34.0	− 3.8	60	8†	8	12	40	3.60	+0.86	1.18	T.	10	7	11	12	sw.	S. L. Brown
Organ Cave	Greenbrier	...	0	...	...	...	...	...	...	...	1.86	...	0.80	0	7	9	2	19	w.	J. J. Hedrick
Point Pleasant	Mason	595	33	46.0[f]	+ 1.0	80[f]	15†	18	12†	46[f]	2.85	+0.05	1.10	0	7	7	1	22	w.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	11	43.7	...	76	15	17	12	41	2.66	...	1.35	T.	7	11	0	19	nw.	Lockmaster
Robertsburg	Putnam	570	26	40.4	− 2.8	78	15	15	12	52	2.78	+0.41	1.34	0	10	10	0	20	...	M. Frazier
Ryan	Roane	700	23	39.4	− 3.5	78	15	12	12	48	3.94	+1.46	1.58	1.0	13	11	4	15	...	Wm. E. Ryan
Sharples	Logan	...	6	...	...	...	...	...	...	...	4.27	...	2.00	T.	9	...	...	...	...	R. W. Howard
Sissonville	Kanawha	625	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	J. N. Johnson
Spencer	Roane	789	22	44.8	+ 1.4	78	15	15	12	46	3.30	+0.82	1.88	T.	7	4	7	19	...	A. M. McKown
Sutton	Braxton	850	20	42.3	− 1.5	70	8†	15	12	44	6.67	+2.71	4.10	4.0	10	19	0	11	...	C. B. Eakle
Union[d]	Monroe	2,250	22	41.4	+ 0.4	73	1	15	12	44	2.70	+0.71	1.10	0.5	8	6	5	15	...	W. M. H. Young
Wayne	Wayne	598	...	...	...	...	...	...	...	...	3.15	...	1.26	T.	10	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	16	38.6[a]	− 4.2	70[a]	14	10	11	44[a]	2.36	−0.05	1.00	0	12	21	0	9	...	H. E. Green
Averages and	extremes	...	...	41.6	− 1.8	80	15†	8	12	52	3.48	+0.66	4.10	0.3	9	10	4	16	w.	
State averages and	extremes	...	...	40.7	− 2.0	82	15	4	12	52	3.59	+0.84	4.10	0.6	9	10	5	15	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used i determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for November, 1926

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac	.21	.04		.08	T.				.11	1.21						1.09	.18		.23	T.	.31			.03	.14	.06	1.09	.17		.19		3.17
Brandywine	....do									.15	T.					T	1.25		.35		T						.40	T			.25		2.70
Harpers Ferry ‖	....do	.08								.12	.21					.02	2.80	.11		1.01											T		4.68
Inwood	....do										.20	.60					.01	1.97	.15														2.93
Martinsburg‖	....do	.05								.12	.75	T.	T.			.05	2.10	.30		1.12	T	T.	T.										5.22
Moorefield	....do									.15						.04	.97		.33								.08	.05			.30		2.66
Piedmont	....do									1.02							1.50		.58								T				.27		3.10
Romney ‖	....do								1.03	.73							1.33		.53											.30			3.92
Stony River Dam‖	....do	.05								.34	.62						1.38	.09		.36	T.	.08				.02	.15	T					3.75
Upper Tract	....do																2.00			T	T.										.16		‡‡‡
Northern Division																																	
Aberdeen	Monongahela	T.	.02		.02					.55	.06						1.85		.40	T.	.01	T.			T.		.21	.13			.33		3.58
Bens Run	Ohio		.03		T.	.05				.72	.02					.01	2.05		.07		T.						.20			.15			3.33
Benson	Monongahela		.04		.04					.47	.07						2.80		.25	.02	.91	.01			T.	.20	.11		T.				4.02
Brownsville	....do	.03	.01		.01					.73	.07	T.					2.81	.02	.31	T.	.02	.02			T.		.21	.16			.30		4.76
Bruceton Mills	....do				T.					.50	T.					T.	.58		.50	T.	.04	T.			T.	T.	.24	.07		.30			2.23
Buckhannon	....do		.05		T.					.75	.10						1.60		.32	T.	.05	.05			.06	T.	.40	T.		T.	.11		3.79
Cairo	Little Kanawha				.02				.02	.56	.50				T.	.51	1.67		.11	T.	.01	T.			T.	.09	.15	.03		.28	T.		3.95
Clarksburg ‖	Monongahela	.08	.02		T.					.10	.38	.02					2.31	.07	.01	.34		T.					.23	.04			.28		3.88
Cortland ‖	....do					.02						.03					2.00		.40								.30	.40					3.15
Crawford	Little Kanawha									.66	T.						2.52		.31	T.	.01					.12	.25				.31		4.21
Creston ‖	Monongahela	.18	T.			T.				.53	.39	T.					2.03		.05	.06	T.	T.					.21	.30			.28		4.63
Dam 10, Mon. R.‖	Ohio	.16	.05			.11				.03	.42						1.41	.11	.07	.45	.03	T.				.01	.13	.12			.29		3.39
Dam 12, O. R. ‖	....do	.20	.02							.65	.32						1.45	.04		.07							.05	.04			.55		3.59
Dam 13, O. R.‖	Monongahela	.14	.02			.02				.16							1.44					.02						.05			.45		2.33
Dam 15, Mon. R.‖	....do	.11				.03				.03	.46						1.95	.27	.04	.40	.06	.04				.05	.21	.12			.26		4.03
Davis ‖	....do	.04	T.							.07	1.15	.02	.04				1.01			.37	.02	.08			T.	.13	.15	.24	.08		.20		3.60
Elizabeth (D'm 3 L K)	Little Kanawha									.31	.33						1.81			T.	T.						.18	.03			.24		2.90
Elkins ***	Monongahela		.01		T.					.54	.12					.19	.42		.16	T.	.07	T.			.02	.08	.20	.04		.15	.04		2.04
Evenwood	....do		.01		.02					T.	T.	.76	.27				.10	.95		.56	.02	.10	.05		.62	.02	.08	.15			.50		4.07
Fairmont ‖	....do										.47	T.					2.70	.06	T.	.44	.04	T.				T.	.24	.15	T.	T.	.27		4.37
Glenville ‖	Little Kanawha	.06	.08		T.	T.				.26	.43	.08					3.50	T.		.28	.02	.16				.04	.33	.20			.37		5.81
Horner	Monongahela		.02							.65	.13						2.30		.30		.02				.02		.27	.12		.03	.25		4.11
Horton	....do								T.	.93	.14					.16	1.50		.48		T.	T.			.07	.03	.24	.18			.17		3.90
Janelew (near)	....do									.70							2.50		.35								.30				.50		4.35
Lost Creek	....do		T.		.04				T.	.65	.03						2.77		.36	T.	T.	T.			T.		.22	.03			.32		4.42
Mannington	....do	.01	.04			.11				.35	.03						2.26	.01	.28	T.	.01	T.			T.		.24	.19		.03	.25		3.81
Morgantown	....do	T.				.10				.36	T.						1.40	T.	.45	T.	T.						T.	T.			1.42		3.73
Moundsville ‖	Ohio	T.	T.		T.					.72	T.						1.53																‡‡‡
New Cumberland ‖	....do	.18	.08	T.						.48	.42	.01					1.22	.03	T.		.05	T.			T.			.43			.47		3.37
New Martinsville	....do									.95						.15	1.80		.10	T.	T.	T.					.15	.15		.10	.20		3.60
Parkersburg ***	....do	.02			.02				T.	.62	.02				T.	1.03	.20		.05	T.	.01	T.				.10	.07	T.		.32			2.46
Parsons	Monongahela	.07	.01			.16				T.	.48	.02					.55	.15		.23	T.	.02			T.	.01	.12	.13	T.		.18		2.13
Philippi	....do		.19		.07					.64	.44						1.02		.57	T.	.15	T.			.47	.24		T.			.54		4.33
Pickens	....do				T.					.71	.08	.08				T.	1.76		.26	T.	.08					.45	.08				.23		3.76
Roanoke	....do		.05		T.					.73	.12						2.55	T.	.27	T.	.01				T.		.22	.17			.35		4.47
Rowlesburg ‖	....do	.05									.60						.50	.16				.02				.03	.26	.19			.15		1.96
Saint Marys ‖	Ohio	.18	.05			.08				.43	.30				T.		2.02	T.	.04	T.	T.	T.					.15	.10			.36		3.71
Smithfield ‖	Fishing Creek					.24				.11							2.42				.03						.40				.55		3.75
Terra Alta	Monongahela	T.	T.		.02					.65	.04					T.	.67	T.	.23	.01	.02	.02			.03	T.	.28	.21		T.	.36		2.54
Valley Chapel	....do									.52	.03	.02					2.90		.30		T.						.28	.08			.30		4.13
Vandalia	....do																1.90			.60							.40	.10		.20			3.20
Wellsburg	Ohio		.08							.80	T.						1.42	.02	.14	.66	T.	T.					.83	.03		.42	.22		4.62
West Milford	Monongahela	.04			.06					.50	.14						2.80		.34								.30				.50		4.68
Weston	....do																																
Wheeling ‖	Ohio	.20	.03							.32	.32	T.				T.	1.43	.01	T.	.05	T.	T.	T				.05	.08			.53		3.02
Woodlands ‖	....do	.12								.35	.40						1.65	.01		.03							.07	.03			.40		3.06
Southern Division																																	
bovale	Great Kanawha				T.					.60	.04					.19	1.47		.23	T.	T.	T.			.02		.39	.04			.26		3.24
ncroft ‖	....do	.10								.55	.10	T.	T.				1.65		.10			T.	T.				.25	.24			.28		3.27
ckley	....do																																
uefield	....do	.15							.08	.01			.03			.02	.50		.27						.04		.41						1.59
mden-on-Gauley ‖	....do				.80												1.60			T.						.44				T.	.08		2.84
arleston ‖	....do	.08								.40	.60	T.					2.58			.25		T.	T				.30				.20		4.41
ay ‖	....do	.58									1.10						2.70			.40							.20	.29					5.27
m 6 G. K. ‖	....do									.63							2.18											.38			.27		3.46
m 19 O. R. ‖	Ohio	.22	.06			.05				.52	.26	T.					1.32	.04	T	.05	T.	T.					.12	.06		T.	.31		3.01
m 20 O. R. ‖	....do	.20	.06			.02				.50	.23	T.					1.27		T.	.10							.13	.05		T.	.38		2.97
m 26 O. R. ‖	....do	.30								.40	T.						1.01		.03			.05	T				.20	T.	T.		.40		2.39
ry ‖	Big Sandy	.05				.02				.36	.65	T.					1.96	.05	.03	.10		.08			.11	.05	.19	.21			.22		4.08
ton ‖	....do									.09	.31					.02	2.50		.05	.15		T.	T.			.05	.24	.18			.25		3.87
ntington ‖	Ohio									.48	.06						1.05		.10	.10		.05	T.				.19	.18			.32		2.53
nawha Falls ‖	Great Kanawha	.15								.50	.90						2.50			.18							.26				.37		4.86
yford ‖	....do	.06								.36	.98	.03					2.03	.06		.28	T.	.11	T.			.05	.12	.36			.35		4.77
mit ‖	Big Sandy									.95	.40						1.75		.03			.10					.12	.40			.28		4.03
visburg	Great Kanawha									.26						T.	.91		.21			T.			.06	T.	.29	.11			.26		2.10
an ‖	Guyandotte	.05								.92	.25						2.00		.17			.02	.17				.30	.31			.30		4.49
linton	Great Kanawha								.04	.70	T.					.42	1.18		.38	T.	T.	T.			.06	.04	.58	.08			.12		3.60
an Cave	....do									.30							.80			.20				.15		.15	.16				.10		1.86
nt Pleasant ‖	Ohio	.30								.48	.30						1.19			.11							.18			T.	.38		2.85
enswood (Dam 22	....do									.20	.45						1.35		T.	.08	T.						.15	.06			.37		2.66
ertsburg ‖	Great Kanawha	.09	.04							.38	.13						1.34		.03	.05							.20	.24			.25		2.78
n	....do								.01	.85	.06					.61	1.58*		.15	.02	.03	.03				.15	.13			.13	.19		3.94
rples ‖	Coal River		.08							.53		.56					2.00	.02	.18			.15			T.		T.	.10			.35		4.27
nville ‖	Great Kanawha																																
ncer ‖	....do	.09								.27	.46	T.					1.88		T.	T.	T.	T.				.20	.13		T.		.27		3.30
on	....do				T.					.93	.12						4.10		.30	.08	.16	.08			.12		.40				.38		6.67
on	....do	.17								.39	T.						1.10		.20				.04		T.		.46	.06			.28		2.70
ne ‖	Big Sandy	.09							.40	.12							1.26		.12	.14		.09	.03				.61	T.			.29		3.15
te Sulpr. Spgs. ‖	Great Kanawha								.20	.25					.05	1.00	.05	.04	.19	.01					.05	.14	.15			.20			2.36

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ‡‡‡ Probably incomplete.

Daily Temperatures for November, 1926

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	54	50	37	38	40	58	61	63	64	58	27	44	60	64	67	62	52	46	36	25	25	36	41	42	54	57	54	42	54	50	....	48.7
	Minimum	27	27	21	17	30	21	19	23	47	24	14	4	23	28	42	34	28	36	23	23	21	17	23	20	18	36	23	14	23	32	....	24.6
Brandywine	Maximum	50	48	47	45	45	50	50	54	52	48	31	42	54	60	64	64	55	48	42	32	30	37	47	47	44	40	38	39	45	44	....	46.4
	Minimum	23	28	18	17	35	20	22	28	30	31	20	9	22	34	40	42	27	36	29	30	26	12	22	25	26	20	15	21	22	35	....	25.5
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Inwood	Maximum	76	61	52	42	48	50	58	62	67	68	70	65	43	50	63	67	51	56	49	40	38	35	45	53	57	54	44	40	47	....	....	53.5
	Minimum	27	26	29	29	29	20	27	18	27	35	39	29	20	20	34	44	49	32	36	33	32	31	23	30	24	24	31	18	20	35	....	29.0
Martinsburg§	Maximum	56	47	44	50	50	60	65	59	67	42	39	44	50	64	69	52	59	51	43	42	36	46	57	55	56	56	39	40	41	....	....	51.0
	Minimum	27	30	34	21	25	29	25	26	47	40	26	15	19	28	39	49	35	34	33	33	31	24	25	25	24	30	37	20	26	28	....	29.5
Moorfield	Maximum	63	55	48	49	53	66	66	66	67	59	36	54	65	....	70	69	65	55	47	37	38	50	58	56	52	60	60	43	58	57	....	55.9
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Piedmont	Maximum	55	44	43	44	45	62	62	61	63	56	35	43	48	60	67	50	54	54	39	34	32	43	49	45	47	55	55	38	48	45	....	49.2
	Minimum	30	34	24	24	34	24	27	35	51	29	23	14	27	31	42	40	34	34	30	30	29	25	30	26	27	37	27	21	27	38	....	30.1
Romney	Maximum	60	45	45	49	51	65	67	68	56	37	35	54	64	67	67	45	59	48	38	35	35	53	54	49	59	57	38	49	46	....	....	51.6
	Minimum	25	30	24	20	34	25	24	35	50	35	23	13	12	29	41	43	35	38	31	31	30	20	24	23	24	34	31	19	25	37	....	28.8
Upper Tract	Maximum	....	40	42	44	54	59	58	....	32	32	32	45	56	61	....	44	51	....	32	31	30	30	48	51	49	47	55	57	57	54	....	45.9
	Minimum	....	26	19	20	22	25	26	....	30	24	21	11	28	38	....	42	32	....	30	29	28	26	23	23	23	25	40	18	19	38	....	26.4
Wardensville§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Northern Division																																	
Bens Run	Maximum	67	53	47	45	50	60	65	69	65	50	36	49	69	68	78	60	56	53	36	34	34	41	49	48	51	61	38	59	59	55	....	53.5
	Minimum	33	36	31	30	38	29	28	32	41	33	22	18	28	36	46	40	34	35	30	32	29	25	30	30	28	38	32	23	48	36	....	32.4
Buckhannon	Maximum	53	60	38	44	47	56	62	67	66	55	32	44	60	67	73	58	55	53	34	30	30	38	44	45	58	67	50	60	57	50	....	51.8
	Minimum	35	35	33	27	33	25	27	28	50	31	18	15	28	37	45	40	32	33	29	29	26	25	24	27	29	41	30	25	41	36	....	31.1
Cairo	Maximum	44	43	42	50	51	57	64	69	64	52	35	47	60	69	77	58	55	51	35	32	31	38	49	53	58	60	47	59	59	47	....	51.7
	Minimum	34	36	35	32	39	32	34	34	52	31	17	12	25	35	41	38	30	34	31	30	29	17	23	23	24	41	30	24	40	37	....	31.4
Clarksburg §	Maximum	58	43	38	48	47	60	68	60	60	44	35	50	59	73	77	46	57	49	32	31	30	41	48	48	61	62	32	64	56	48	....	50.8
	Minimum	30	32	29	27	31	24	24	28	30	34	18	14	15	30	37	45	32	35	31	30	28	18	24	25	26	27	31	25	25	38	....	28.1
Creston	Maximum	58	48	44	50	51	60	67	78	66	60	36	51	65	70	79	58	57	56	36	32	31	42	48	50	59	62	57	64	61	50	....	54.9
	Minimum	31	36	33	30	39	25	25	28	50	31	20	14	28	38	42	40	31	34	31	30	28	19	22	26	25	47	32	25	49	36	....	31.5
Elkins	Maximum	57	49	36	42	43	61	67	68	65	46	29	48	61	63	70	64	54	51	31	27	26	41	48	45	56	58	33	56	56	46	....	49.9
	Minimum	29	32	22	21	29	22	24	31	46	24	17	11	26	45	56	37	34	31	26	25	23	18	27	25	29	31	25	20	40	32	....	28.7
Fairmont§	Maximum	63	47	38	44	49	64	72	73	67	35	43	53	60	77	82	46	59	52	32	32	29	46	52	46	61	61	32	63	54	39	....	52.4
	Minimum	27	30	30	26	28	28	27	30	31	30	20	16	17	29	41	45	32	34	30	29	28	22	20	30	24	23	31	23	26	37	....	28.1
Glenville	Maximum	52	51	44	46	47	50	74	....	....	65	36	40	56	75	70	74	57	61	39	33	32	39	42	46	54	58	62	68	70	54	....	53.4
	Minimum	33	35	34	37	35	21	22	31	46	28	17	16	26	32	38	40	33	36	26	27	25	16	22	28	43	44	31	29	42	34	....	30.9
Grafton(near)§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Lost Creek	Maximum	59	50	39	50	48	62	70	70	67	60	37	51	64	71	80	73	58	53	36	31	29	41	49	48	55	62	56	65	58	51	....	54.8
	Minimum	30	36	34	30	35	29	29	30	30	30	20	11	28	35	50	40	30	34	29	28	26	15	23	22	21	55	29	20	45	35	....	30.3
Mannington	Maximum	53	51	40	44	47	56	62	67	61	59	36	44	57	70	76	73	56	56	36	33	31	38	45	46	57	61	57	57	58	49	....	52.5
	Minimum	29	36	28	26	36	24	25	26	47	32	17	13	24	33	39	41	30	30	30	29	28	24	27	26	23	39	30	23	37	36	....	29.6
Morgantown	Maximum	55	50	38	40	45	57	65	70	68	58	31	45	58	70	80	71	58	53	85	32	30	37	44	45	61	61	60	60	60	48	....	52.8
	Minimum	30	35	31	25	35	34	35	54	53	28	19	16	32	48	60	38	35	31	49	27	27	23	31	37	25	....	20	22	46	34	....	32.5
New Cumberland§	Maximum	51	40	40	43	48	57	65	67	60	33	33	45	59	70	77	47	55	50	63	39	31	40	44	44	52	60	32	57	50	....	....	49.0
	Minimum	31	35	33	26	30	34	35	32	33	30	22	17	19	32	40	45	36	37	30	30	29	24	27	32	23	28	30	19	26	35	....	30.0
New Martinsville	Maximum	57	55	43	42	50	62	69	72	77	58	43	50	64	72	80	62	59	59	39	35	35	42	49	49	53	57	60	64	58	52	....	55.6
	Minimum	28	33	30	25	36	24	25	27	45	30	20	13	24	32	42	38	29	33	29	28	27	21	28	26	22	45	29	21	47	34	....	29.7
Parkersburg	Maximum	56	43	42	50	51	59	64	69	64	39	35	49	63	69	77	49	[illegible]	54	35	33	32	41	48	50	57	60	36	63	54	40	....	51.1
	Minimum	34	36	34	32	38	32	34	34	39	28	24	20	33	49	49	40	36	33	32	32	28	25	32	34	30	36	29	28	40	36	....	33.5
Parsons	Maximum	51	41	48	39	42	70	70	67	68	56	47	58	62	64	68	65	45	35	27	28	27	40	42	48	60	59	59	59	57	57	....	52.0
	Minimum	35	31	24	21	29	21	22	23	36	25	11	21	21	29	35	31	35	27	27	25	25	18	22	29	28	29	27	28	21	28	....	26.
Philippi	Maximum	56	48	45	44	50	54	68	70	67	56	33	47	53	62	73	60	55	54	34	34	35	39	45	44	50	67	60	57	64	55	....	52.
	Minimum	36	31	30	24	27	29	31	36	53	28	18	16	33	37	46	38	84	33	26	24	21	19	28	32	40	35	24	22	37	34	..	30.
Pickens	Maximum	53	42	35	40	40	55	54	67	60	48	25	44	58	59	64	58	58	45	35	25	25	35	41	37	53	42	40	53	51	42	....	46.
	Minimum	24	28	20	19	25	20	25	38	48	20	12	8	26	41	48	28	28	26	22	18	20	8	16	26	26	20	19	15	36	31	....	24.
Terra Alta	Maximum	53	45	36	36	37	55	62	63	63	53	27	43	57	63	65	62	52	44	32	23	23	34	42	41	45	55	54	46	52	46	..	47.
	Minimum	29	29	19	17	31	23	27	34	48	24	14	5	24	34	49	34	29	31	23	22	21	16	27	23	24	39	21	15	31	30	....	26.
Wellsburg	Maximum	49	52	39	44	48	56	62	66	62	57	33	44	59	70	77	64	55	52	36	33	33	39	43	45	49	61	58	55	56	49	....	51.
	Minimum	29	35	32	24	38	27	30	28	49	30	17	13	25	32	55	40	33	35	30	30	27	25	31	27	21	43	28	19	35	35	....	30.
Weston	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Wheeling§	Maximum	56	45	40	50	53	61	68	70	62	36	35	50	61	72	80	48	60	49	32	32	32	42	47	46	56	54	35	58	54	42	....	50.
	Minimum	29	30	29	28	28	30	30	29	30	28	18	15	16	25	34	35	33	33	29	29	26	22	22	29	22	25	30	21	24	32	....	27.
Southern Division																																	
Bluefield	Maximum	59	54	49	50	48	48	....	65	66	58	35	52	56	....	67	66	53	48	37	30	....	46	50	48	....	54	53	....	57	56	....	52.
	Minimum	24	31	16	37	33	34	....	27	34	26	22	19	30	....	46	35	34	35	25	25	....	17	26	37	....	32	34	..	22	36	....	29
Charleston	Maximum	62	43	51	52	52	63	71	73	70	43	40	56	68	75	75	46	58	58	34	36	33	46	52	51	60	63	40	68	56	41	....	54
	Minimum	35	32	34	30	33	28	28	31	33	34	29	20	20	24	50	45	34	34	32	32	28	22	22	23	34	36	35	26	26	38	....	30
Gary §	Maximum	62	39	50	54	51	64	69	67	71	34	38	59	67	71	76	46	58	51	33	32	32	50	56	45	58	63	39	65	63	44	....	53
	Minimum	37	34	25	26	26	24	24	31	34	32	27	17	18	28	50	44	30	32	30	29	28	20	20	20	37	40	34	26	33	34	....	29
Huntington §	Maximum	56	42	45	49	50	57	61	68	64	35	35	48	61	73	74	44	55	38	34	34	32	38	48	51	58	59	35	61	54	40	....	50
	Minimum	34	33	30	30	36	30	30	30	36	35	27	20	20	36	42	44	35	36	32	32	28	23	23	23	32	32	34	28	29	36	....	31
Lewisburg	Maximum	53	48	45	47	47	59	60	59	63	61	33	45	55	64	68	65	54	49	39	28	31	41	47	45	47	53	53	47	52	47	....	49
	Minimum	27	31	27	24	35	21	22	31	54	28	19	13	25	37	52	40	26	35	28	26	26	15	19	24	27	40	26	19	27	34	....	28
Marlinton	Maximum	44	38	42	42	44	50	58	60	58	52	28	40	50	58	60	58	50	42	32	26	28	38	44	42	40	50	36	40	48	42	....	44
	Minimum	22	26	20	18	24	16	18	22	46	22	16	8	18	32	44	34	24	32	22	22	22	10	16	18	24	36	20	14	22	32	....	23
Point Pleasant	Maximum	60	55	53	58	55	55	60	70	68	65	58	52	65	75	80	80	....	....	....	....	....	....	53	50	48	51	55	68	65	55	....	6
	Minimum	30	32	33	43	39	32	28	35	40	36	24	18	30	41	52	36	46	30	32	30	29	20	18	18	18	28	30	22	44	31	....	31
Ravenswood	Maximum	57	56	45	50	51	59	65	71	67	61	38	50	66	71	76	58	55	56	38	36	32	41	48	51	57	63	63	64	63	52	....	5
	Minimum	32	35	35	33	39	27	29	30	45	23	23	17	29	45	56	41	34	33	31	31	28	20	22	28	25	33	32	25	47	35	....	3
Robertsburg§	Maximum	62	42	40	50	52	63	69	74	67	35	40	53	68	75	78	44	57	38	34	32	32	43	52	52	58	56	34	66	54	38	....	5
	Minimum	30	32	32	30	34	25	26	27	35	32	22	15	16	35	54	42	32	35	28	30	26	17	18	26	26	26	31	24	30	34	....	2
Ryan	Maximum	55	43	38	45	45	40	65	72	66	56	30	47	64	68	78	67	55	52	34	31	30	35	47	50	50	55	50	55	52	47	....	5
	Minimum	26	29	30	29	30	20	30	24	50	30	20	12	23	34	50	38	26	30	25	27	25	15	15	21	25	43	26	20	36	33	....	2
Spencer §	Maximum	57	48	46	50	50	58	66	74	66	36	36	50	67	70	78	59	56	52	40	32	33	36	52	59	61	64	62	64	55	42	....	5
	Minimum	30	33	34	29	32	26	25	28	54	33	22	15	32	50	51	44	46	49	29	29	29	20	22	36	43	32	52	50	52	36	....	3.
Sutton	Maximum	53	53	50	48	51	63	66	70	70	58	58	48	63	68	68	67	56	56	52	36	35	40	42	47	55	55	36	68	70	70	....	5
	Minimum	33	34	33	27	33	23	24	28	39	19	21	15	27	37	44	34	31	36	30	30	27	25	21	26	32	22	23	24	33	36	..	2
Union	Maximum	73	57	47	51	51	47	....	62	66	65	36	46	56	..	68	70	55	54	40	34	....	41	48	50	47	55	53	....	55	56	....	5
	Minimum	29	33	23	24	36	21	....	24	54	31	22	15	25	....	41	40	27	38	28	26	....	17	18	25	27	42	30	....	21	39	....	2
White Sulphur Spgs§	Maximum	46	52	54	53	63	64	64	64	32	35	50	57	68	70	53	59	51	39	32	33	41	51	49	49	57	35	49	59	46	..	....	5
	Minimum	31	24	22	32	19	20	27	30	32	21	10	22	31	42	43	25	31	30	27	28	16	15	17	30	32	31	19	23	27	26	....	2
Williamson§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 12-28-26—840)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIV Parkersburg, W. Va., December, 1926 No. 12

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GENERAL SUMMARY

December was characterized by cloudiness and frequent rains or snows. As an average, there were only six clear days. The temperature averaged practically normal, a slight deficiency being noted at most of the northern stations, while the average for the southern stations was slightly above the normal. There was but one short cold period, the temperature for the greater part of the month being favorable for outdoor work. A temperature below zero was recorded at only eight stations, all in the northern and central counties. The precipitation was much above the normal and well distributed over the State and throughout the month. Rain or snow was quite general on twenty days and precipitation was recorded in some section of the State on every day in the month. The snowfall was generally unimportant, being the lightest of December State record, except in 1910, 1911, 1923, and 1924. Frequent rains interrupted farm work, the fields being too wet and soft for late fall hauling. Freezing and thawing weather, without snow-cover, was also unfavorable for winter grains and meadows.

TEMPERATURE

The monthly mean for the State, determined from 46 stations, was 33.9°. The departure from the normal for 38 stations having ten or more years of record was +0.3°. The month opened moderately cold, and the temperature was also considerably below the normal on the 6-7th. Low temperature was noted from the 14th to the 20th, the lowest readings of the month occurring on the 18th and 19th. The warmest weather was on the 13-14th, 20th-21st, and 23d-25th, the highest temperature being general on the 13th.

PRECIPITATION

The average precipitation for the State, determined from 79 stations, was 5.10 inches. The departure from the normal for 51 stations having ten or more years of record was +1.59 inches. Most of the precipitation was received on the 5-6th, 7-13th, 20th-22d, 24-26th, and the 28-29th, the greatest amounts being measured on the 5th, 10th, 13th, 20th-22d, and the 25-26th. Most of the snowfall was received on the 15th and 29th, but in many of the more northern or elevated locations light snow also fell on the 2d, 5th, 10th, 18th, 20th, 26th, and on the last three days.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 1st; Bayard, 28th; Bens Run, 22d and 24th; Bruceton Mills, 22d and 24th; Marlinton, 14th and 21st; Philippi, 19th; Romney, 5th; Terra Alta 4th, 5th, 8th, 9th, 23d, 24th, and 25th; Wheeling, 12th and 15th.

Halos, lunar: Parkersburg and Terra Alta, 19th.

Halo, solar: Terra Alta, 17th.

Sleet: Arbovale, 5th; Bayard, 5th, 6th, 9th, 11th, 23d, and 27th; Brownsville, 20th and 26th; Bruceton Mills, 5th and 20th; Horton, 5th; Marlinton, 5th, 20th, and 28th; Martinsburg, 5th, 6th, and 10th; Parkersburg, 10th; Rowlesburg, 5th; Stony River Dam, 23d and 24th; Terra Alta, 1st, 3d, and 5th; Wheeling, 5th, 9th, and 25th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30 14	86	75	78	86.4	29	6,321	8.5	26	w.	13
Columbus, Ohio	30.12	85	79	83	63.5	22	8,289	11.1	37	nw	26
Elkins	30.14	86	76	80	69.3	24	4,559	6.1	31	w.	26
Lexington, Ky	30.14	88	81	....	72.2	24	10,204	13.7	38	nw.	5
Parkersburg	30.14	78	70	77	55.5	19	4,722	6.3	28	w.	26
Pittsburgh, Pa	30.13	86	80	78	45.6	16	8,787	11.8	48	sw.	26
Wytheville, Va	30.13	82	77	80	120.0	40	5,541	7.4	41	w.	26

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation				Number of days		
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	Clear	Partly Cloudy	Cloudy
1891	40.9	75	6	3.27						
1892	34.1	72	−10	2.91	.....	.....	.....	.....	.....	.....
1893	37.1	76	7	2.05	3.73	0.56	.....	10	8	13
1894	36.3	80	−29	4.04	6.56	1.71	.....	11	7	13
1895	36.9	72	− 6	2.87	4.14	1.85	7.1	8	9	14
1896	35.3	67	2	1.68	2.88	0.57	.....	12	9	10
1897	37.3	72	− 4	4.00	6.79	2.05	.....	6	9	16
1898	33.4	69	−12	2.66	4.23	0.71	7.0	12	8	11
1899	33.3	77	−17	2.81	4.46	1.22	3.9	11	8	12
1900	34.6	66	3	2.26	3.45	1.32	1.0	11	7	13
1901	32.3	75	− 9	5.84	8.97	3.57	3.8	7	8	16
1902	33.9	70	− 2	5.33	9.95	2.01	9.4	5	7	19
1903	26.5	59	−11	2.00	4.43	0.30	7.8	12	8	11
1904	32.8	71	−20	3.12	5.91	1.63	9.8	8	7	16
1905	35.6	70	3	3.11	5.24	1.30	3.4	11	6	14
1906	35.9	70	− 1	4.73	11.15	1.83	6.2	5	6	20
1907	35.5	70	− 2	3.36	9.31	0.70	5.2	9	8	14
1908	36.4	73	5	3.03	7.36	1.06	6.0	9	8	14
1909	28.8	78	−10	2.55	6.00	1.16	10.9	9	8	14
1910	28.4	72	− 8	2.72	6.90	1.00	14.6	7	7	17
1911	39.3	74	4	3.27	5.58	1.25	1.6	9	5	17
1912	35.8	76	− 6	2.88	5.55	1.45	7.1	12	7	12
1913	36.4	68	3	2.82	3.81	1.10	2.9	9	8	14
1914	30.3	70	−20	5.46	8.04	2.58	12.5	7	4	20
1915	32.8	68	0	4.35	7.19	1.35	7.6	5	7	19
1916	32.8	77	−18	3.33	6.38	0.85	10.6	13	7	11
1917	24.3	67	−37	1.51	3.32	0.47	11.8	11	6	14
1918	41.0	74	0	4.41	8.14	2.70	3.2	8	6	17
1919	30.4	72	−15	4.07	7.35	1.17	7.8	10	6	15
1920	35.6	70	0	2.55	5.13	1.32	3.7	6	7	18
1921	37.0	79	0	4.25	7.51	1.11	7.5	7	7	17
1922	36.6	75	2	4.71	7.27	1.03	3.6	10	5	16
1923	43.1	78	0	5.82	10.96	1.00	2.4	11	5	15
1924	33.1	83	− 8	2.58	5.69	0.58	1.7	10	6	15
1925	32.5	75	− 8	1.20	3.42	0.38	2.7	10	6	15
1926	33.9	72	−14	5.10	10.57	1.65	2.5	6	4	21
Means and extremes	34.5	83	−37	3.41	11.15	0.30	6.2	9	7	15

Climatological Data for December, 1926

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	25	29.0	+ 0.5	59	14	−14	18	43	9.43	+5.53	1.71	10.5	17	7	5	19	w.	U. G. Clark
Brandywine††	Pendleton	1,586	10	32.6	− 1.5	54	8†	0	19	32	3.05	+1.21	1.10	2.0	9	10	2	19	s.	Elmer Keister
Burlington††	Mineral	875	32	30.8^{i}	− 1.4	65^{i}	23	0^{i}	17†	42^{i}	....	....	....	....	....	2^{i}	18^{i}	2^{i}	n.	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	37	....	....	....	....	....	....	....	2.29	−0.26	0.64	1.0	10	....	....	....	....	J. C. Newcomer
Inwood	Berkeley	569	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	L. E. Dills
Martinsburg	Berkeley	435	34	30.6^{a}	− 2.1	51^{a}	1†	3	19	44^{a}	3.03	+0.30	0.98	2.0	12	18	5	8	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	30	34.5	+ 1.4	56	4	3	19	34	2.88	+0.62	0.90	2.0	8	16	5	10	....	M.S. Henkel
Piedmont	Mineral	1,053	13	30.4	− 2.3	53	4†	2	18†	29	2.86	+0.36	0.68	1.8	9	9	1	21	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	28	29.6^{i}	− 2.8	55^{i}	3	1^{h}	19	44^{m}	2.45	−0.03	1.33	T.	4	3	7	21	....	George E. Bergdoll
Stony River Dam	Grant	3,300	6	....	....	....	....	....	....	....	3.35	....	0.90	6.8	18	4	3	24	w.	A. C. Becker
Upper Tract	Pendleton	1,230	27	30.2^{g}	− 3.3	51^{g}	9	1^{g}	19	30^{g}	....	....	....	1.5	....	5^{c}	0^{c}	23^{c}	e.	J. M. Mallow
Averages and	extremes			30.7	− 1.4	59	14	−14	18	44	3.76	+1.09	1.71	3.2	11	9	4	18	w.	
Northern Division																				
Aberdeen	Upshur	1,060	2	....	....	....	....	....	....	....	5.59	....	0.69	2.2	16	3	9	19	w.	L. Else Bond
Bens Run	Pleasants	652	24	34.4	+ 1.0	64	13	6	18	34	4.18	+0.42	0.70	1.0	17	9	4	18	....	J. D. Riggs
Benson	Harrison	1,080	3	34.6	....	63	13†	2	18	35	4.63	....	0.60	1.5	17	6	10	15	....	R. D. Marts
Brownsville	Lewis	1,032	3	35.2	....	65	13	3	16†	35	5.37	....	0.65	0.9	16	4	8	19	....	George M. Myers
Bruceton Mills	Preston	1,549	6	....	....	....	....	....	....	....	7.52	+3.92	1.30	4.4	18	3	5	23	w.	W. M. Wolf
Buckhannon	Upshur	1,411	29	34.9	+ 2.0	62	13	2	16†	34	6.36	+2.35	1.10	4.0	16	10	1	20	....	H. A. Darnall
Cairo	Ritchie	680	27	33.4	− 0.8	63	13	4	18†	33	4.19	+0.43	0.66	0.5	16	6	4	21	....	O. C. Hess
Clarksburg	Harrison	1,015	4	32.6	....	64	13	4	19	41	4.46	....	0.86	2.5	18	3	3	25	nw.	Clarksburg Water Boar
Cortland	Tucker	3,300	15	....	....	....	....	....	....	....	4.10	+0.59	1.90	5.0	8	8	3	20	....	G. W. Harmon
Crawford	Lewis	1,107	3	....	....	....	....	....	....	....	6.19	....	1.02	2.9	15	8	6	17	w.	George W. Blair
Creston	Wirt	640	24	35.3	+ 1.4	66	13	6	19	35	5.16	+1.83	0.81	2.0	14	5	1	25	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	5	....	....	....	....	....	....	....	3.94	....	0.93	1.2	19	....	....	....	....	Lockmaster
Dam 12 O. R.	Ohio	660	10	....	....	....	....	....	....	....	3.49	+0.52	1.02	....	16	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	10	....	....	....	....	....	....	....	3.36	+0.06	0.84	....	19	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	5	....	....	....	....	....	....	....	4.43	....	0.87	1.0	20	....	....	....	....	Lockmaster
Davis	Tucker	3,093	17	....	....	....	....	....	....	....	6.87	+2.03	1.52	8.4	22	4	5	22	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	14	....	....	....	....	....	....	....	4.23	+0.92	0.86	0.5	12	....	....	....	....	Lockmaster
Elkins	Randolph	1,947	25	32.9	+ 0.2	63	13	− 4	18	37	5.56	+2.14	1.03	1.5	23	2	4	25	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	1	....	....	....	....	....	....	....	7.22	....	0.98	2.8	21	2	2	27	s.	Claude A. Cunningham
Fairmont	Marion	883	20	32.1	− 1.4	61	13	4	18†	40	4.50	+1.11	0.90	1.5	13	8	2	21	w.	J. C. Robinson
Glenville	Gilmer	738	32	37.4^{e}	+ 2.4	61^{e}	5	6	19	40^{e}	5.80	+2.11	0.86	2.0	17	5	5	21	w.	Howard R. Brannon
Horner	Lewis	1,044	3	....	....	....	....	....	....	....	6.03	....	0.84	2.0	16	10	2	19	....	Thomas E. Miles
Horton	Randolph	2,340	1	....	....	....	....	....	....	....	4.46	....	0.61	4.0	16	3	2	26	w.	J. W. White
Janelew (near)	Lewis	1,020	3	34.6	....	66	13	1	18†	38	4.93	....	0.68	0.5	12	9	2	20	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	28	33.5	− 0.3	65	13	0	16†	37	5.13	+1.64	0.70	2.0	17	6	4	21	w.	Allen Smith
Mannington	Marion	985	23	33.5	+ 1.1	63	13	0	18	32	4.77	+1.25	0.81	1.5	19	5	5	21	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	33	33.0	− 0.5	61	13	0	18	32	3.81	+0.76	0.70	1.5	12	0^{a}	1^{a}	29^{a}	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	28	31.0^{a}	+ 0.2	60^{a}	13	4	18	33^{a}	2.43	−0.20	0.80	3.0	16	7	2	22	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	32	33.0	− 1.8	65	13	− 2	19	40	4.10	+0.54	0.85	T.	16	5	6	20	n.	Wm. Ankrom
Parkersburg	Wood	638	39	34.9	− 0.3	67	13	8	18	29	2.97	+0.20	0.60	0.5	18	4	3	24	se.	U. S. Weather Bureau
Parsons ††	Tucker	1,649	26	33.2	+ 2.0	55	13	− 2	18	36	7.56	+3.77	....	....	....	7	1	23	....	J. W. Swisher
Philippi	Barbour	1,550	29	32.5^{f}	− 0.8	66^{f}	14	− 1^{f}	18	39^{f}	6.33	+2.50	....	8.0	20	5	9	17	w.	Prof. Elwyn F. Chase
Pickens	Randolph	2,697	23	29.4	− 2.7	57	13	− 9	18	35	10.57	+5.37	1.63	11.0	21	4	4	23	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	3	....	....	....	....	....	....	....	6.05	....	0.75	4.7	16	7	2	22	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	39	....	....	....	....	....	....	....	6.86	+2.99	1.55	....	17	....	....	....	....	Walter R. Bolyard
Saint Marys	Pleasants	577	17	....	....	....	....	....	....	....	4.09	+0.59	0.70	0.5	17	....	....	....	w.	Wm. Hughes
Smithfield	Wetzel	850	20	....	....	....	....	0	18	....	3.02	−1.06	0.80	1.8	8	7	9	15	....	Everett V. Price
Terra Alta	Preston	2,559	25	28.0	− 2.0	54	13†	−14	18	39	6.49	+1.33	0.89	8.3	20	3	4	24	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	3	38.8	....	65	13†	2	16	52	4.68	....	0.70	3.0	19	11	1	19	w.	J. C. Campbell
Vandalia	Lewis	1,120	3	....	....	....	....	....	....	....	1.65	....	0.25	....	14	....	....	....	....	Miss Phyllis West
Wellsburg	Brooke	668	25	31.2	+ 0.2	60	13	− 5	18	32	2.02	−1.05	1.33	1.0	13	3	8	20	....	George F. Pfister
West Milford	Harrison	979	1	....	....	....	....	....	....	....	5.74	....	0.74	....	14	....	....	....	....	Miss Dicie E. Wagner
Wheeling	Ohio	645	39	30.1	− 1.8	60	13	− 1	19	42	3.27	+0.26	1.19	1.6	18	2	9	20	w.	Miss M. B. Forsyth
Woodlands	Marshall	....	....	....	....	....	....	....	....	....	3.44	....	0.80	....	16	6	9	16	w.	R. W. Rist
Averages and	extremes			33.3	− 0.2	67	13	−14	18	52	4.88	+1.24	1.90	2.7	16	5	5	21	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	....	....	....	....	....	....	....	....	4.96	....	1.00	3.0	14	8	5	18	sw.	H. S. Sutton
Bancroft	Putnam	574	22	36.0	+ 1.1	70	13	10	16†	50	5.12	+1.77	0.89	0.5	15	11	0	20	ne.	R. E. Dent
Beckley	Raleigh	2,440	26	35.7	+ 2.3	66	4	2	16†	39	....	....	....	4.0	....	6	3	22	w.	K. E. Williams
Bluefield^{c}	Mercer	2 558	31	38.2	+ 3.0	63	13	7	16	36	4.41	+1.50	1.21	2.8	16	8	8	10	....	Norfolk & Western R
Camden-on-Gauley	Webster	2,029	11	....	....	....	....	....	....	....	1.90	....	1.10	T.	2	....	....	....	....	Miss Katie Jarvis
Charleston	Kanawha	600	23	36.6	....	70	13	10	16†	41	5.92	+2.39	1.44	0.5	15	10	0	21	....	R. O. Fields
Clay	Clay	706	10	....	....	....	....	....	....	....	6.68	....	0.98	....	13	....	....	....	....	Ted Thomas
Dam 6 G. K.	Kanawha	598	....	....	....	....	....	....	....	....	5.37	....	1.20	....	12	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	10	....	....	....	....	....	....	....	3.48	+0.06	0.80	....	16	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	10	....	....	....	....	....	....	....	3.69	+0.15	0.73	....	15	....	....	....	....	Lockmaster
Dam 25 O. R.	Mason	564	10	....	....	....	....	....	....	....	4.29	....	0.70	....	15	....	....	....	....	U. S. Engineer Office
Gary	McDowell	1,426	10	37.5	− 2.2	70	13	4	17	40	8.51	+4.67	2.05	4.0	16	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	29	38.8^{c}	+ 3.9	58	13	14^{c}	16	22^{c}	7.31	+4.51	1.93	2.5	14	7	1	23	....	Mrs. J. R. Baber
Huntington	Cabell	536	32	35.4	+ 1.0	65	13	13	16†	35	5.14	+1.50	0.92	T.	13	7	2	22	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	7	....	....	....	....	....	....	....	5.32	....	1.15	....	10	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	10	....	....	....	....	....	....	....	7.52	....	1.07	4.5	22	....	....	....	....	Cabin Creek Con. Coal
Kermit	Mingo	579	0	....	....	....	....	....	....	....	5.72	....	1.09	....	13	....	....	....	....	E. B. Kirk
Lewisburg	Greenbrier	2,250	26	33.8	+ 1.6	59	24	3	19	31	6.26	+3.42	0.82	3.0	15	7	6	18	nw.	Geo. T. Argabrite
Logan	Logan	700	23	....	....	....	....	....	....	....	7.33	+2.75	1.55	....	14	....	....	....	....	J. R. Wampler
Marlinton	Pocahontas	2,131	27	29.0	− 0.1	50	13	0	16†	32	7.40	+3.74	1.90	1.5	15	6	7	18	nw.	S. L. [illegible]
Organ Cave	Greenbrier	....	0	....	....	....	....	....	....	....	6.11	....	1.10	3.0	14	5	5	21	w.	J. J. Hedrick
Point Pleasant	Mason	595	33	37.1	+ 1.9	68	13	9	17†	47	4.86	+1.43	0.68	0	17	10	1	20	nw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	11	36.2	....	66	13	8	18†	35	3.77	....	0.70	T.	12	9	0	22	nw.	Lockmaster
Robertsburg	Putnam	570	26	33.3	− 0.7	67	13	7	19	40	4.50	+1.04	0.80	T.	15	6	0	25	....	M. Frazier
Ryan	Roane	700	23	33.0	− 0.9	65	13	5	19	30	5.53	+2.08	1.29	0.4	17	7	2	22	....	Wm. E. Ryan
Sharples	Logan	....	6	....	....	....	....	....	....	....	4.96	....	1.32	....	9	....	....	....	....	R. W. Howard
Sissonville	Kanawha	625	....	....	....	....	....	....	....	....	5.53	....	1.31	....	10	....	....	....	....	J. N. Johnson
Spencer	Roane	789	22	37.2	+ 2.7	62	13	10	18	34	3.65	+0.28	0.80	T.	14	0	10	21	....	A. M. McKown
Sutton	Braxton	850	20	35.8	+ 2.2	65	13†	1	16	36	7.51	+3.57	1.28	6.0	19	12	0	19	....	C. B. Eakle
Union^{d}	Monroe	2,250	22	36.1	+ 4.2	60	14	4	17	38	7.08	+4.56	1.15	3.0	15	2	7	18	....	W. M. H. Young
Wayne	Wayne	598	....	....	....	....	....	....	....	....	6.42	....	1.26	....	14	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	16	33.0^{b}	− 0.4	60^{a}	12	1	18	46^{a}	5.45	+1.29	1.25	....	15	10	2	19	....	H. E. Green
Williamson	Mingo	673	26	38.2	+ 1.3	72	3	4	16	42	5.61	+1.77	1.45	1.5	13	8	0	23	sw.	A. J. Maynard
Averages and	extremes			35.8	+ 1.7	72	3	0	16†	50	5.55	+2.29	2.05	1.9	14	7	3	21	nw.	
State averages and	extremes			33.9	+ 0.3	72	3	−14	18	52	5.10	+1.59	2.05	2.5	15	6	4	21	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or divisional means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for December, 1926

Stations	Drainage basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard ‖	Potomac		T.	.02		.08	.13		.06	1.01	.74	.07	.22	1.03	.18	T.	.41		T.			1.34	.79	.57		T.	1.71	.03		.41	T.		9.13
Brandywine	do					.25				.30			.15			.20						T.	.80		T.	*	1.10			.25			3.05
Harpers Ferry ‖	do					T.	.64				.14	.01		.20		.01	.03						.32				.63		.01	.39			2.38
Inwood	do																																
Martinsburg ‖	do					T.	.27		T.		.20			.30	.10		.12						.32	.18	.12	.08	[illegible]		.08	[illegible]			[illegible]
Moorefield	do					T.			.32		.08			.07		.16							.65			.22	.90		[illegible]				[illegible]
Piedmont	do	T.				.68				T.	.14	T.	.01	.17		.02					T.		.56	T.	T.	.48	.61		.16				[illegible]
Romney ‖	do					T.	T.			.40				.25		T.	T.								.47		1.53						[illegible]
Stony River Dam ‖	do		.04			.04			.10	.10	.25	.01		.41	.11	.04	.01		.04		0.04	.51	.58				.90			.04	[illegible]	.04	[illegible]
Upper Tract	do											T.	T.	.20	T.	.12						T.	.20			T.	.20		T.				+++
Northern Division																																	
Aberdeen	Monongahela	T.				.50			.23	.19	.32	.13	.01	.50		.12					.52	.66	.51	T.	.17	.35	.69		.32	.31	T.		5.59
Bears Run	Ohio					.65			.10	.21	.10	.18	.06	.16							.30	.30	.70	.03	.20	.15	.60		.59	.15		.03	4.18
Benson	Monongahela	.02				.60			.19	.08	.30	.11	.02	.31		.04					.41	.58	.45		.18	.30	.44		.37	.23			4.63
Brownsville	do	T.				.30			.25	.35	.36	.12	.02	.58		.08					.61	.65	.43		.24	.24	.61		.56	.24	T.		5.64
Bruceton Mills	do	.02	.03	T.		1.06	.02		.35	T.	.15	.04	.10	.83		.10		T.	.02		1.30		1.05		.40	.67	.70		.30	.10	T.	T.	7.52
Buckhannon	do	T.				.55		T.	.22	.32	.52	.15	.10	.52		.30					.60	1.10	.37		.30	.55	.48		.40	.08			6.56
Cairo	Little Kanawha	T.		T.	T.	.66		T.	.14	.22	.15	.02	.09	.18		T.					.32	.47	.31		.21	.48	.32		.62	.06		.06	4.19
Clarksburg ‖	Monongahela		T.			.11	.30		.17	.01	.38	.04		.37	.04		.06				.14	.75	.39	.01		.30	.86		.05	.44	.04	T.	4.46
Cortland ‖	do		.04				.40							.70	.70	.08					.12					1.90					.16		4.10
Crawford	Little Kanawha					.63			.12	.50	.28	.08	.12	.47		.15					.52	1.02	.40		.71	.52			.50	.24			6.19
Creston	Monongahela					.45	.36		.10	.08	.50	T.		.41	T.	T.	T.		T.		.18	.80	.56	T.	.10	.18	.55		.11	.18	T.		5.16
Dam 10, Mon. R. ‖	Ohio		.01			.22	.55		.10	.07	.56	.06	.01	.16	.04		.01				.14	.41	.47	.03		.28	.93		.06	T.	.05		[illegible]
Dam 12, O. R. ‖	do					.28	1.02		.05		.65	.04		.12	.02				.01			.07	.38	.03	.02	.06	.88		.07	.39	T.		3.49
Dam 13, O. R. ‖	Monongahela		.01	.01		.20	.84		.05		.20	.65	.05	.21					.01		.07	.02	.27	.02	.05	.08	.75		.08	.39	T.		[illegible]
Dam 15, Mon. R. ‖	do		.03			.21	.41		.12	.11	.31	.06		.29	.06		.06	T.	.02		.03	.58	.41	.08		.24	.87		.02	.46	.06	T.	4.43
Davis ‖	do	.02	.03		T.	.18	.72		.43	.10	.23	.24	.16	.41	.15			.07	.10		.08	1.52	.76	.07		.30	.93	.03	.04	.27			6.87
Elizabeth (D'm 3 L K)	Little Kanawha					.25	.40		.10		.42	.04		.23		T.					.18	.50	.48			.33	.86			.44			4.23
Elkins ***	Monongahela	.03	T.	T.	.02	.57	T.	.01	.22	.41	.07	.10	.32	.25	.05	.15		.01	T.		.56	.90	.23		.19	.58	.25		.37	.12	.01	.14	5.56
Evenwood	do	.06		T.	T.	.79	.04	.07	.58	.46	.21	.23	.04	.62		.04	.14				.98	.89	.65	T.	.63	.41	.66		.29	.14	.09		7.22
Fairmont ‖	do				T.	.31	.34		.15		.31		T.	.36	T.		.08		T.		.12	.56	.55	.04	T.	.32	.90	T.		.46	T.		4.50
Glenville ‖	Little Kanawha					.26	.15		.22	.18	.60	.06		.32	.14		.24		T.	T.	.28	.86	.58		.05	.55	.82		.15	.44	T.		5.80
Horner	Monongahela					.45			.22	.29	.55	.12	.06	.52		.10					.50	.84	.32		.21	.36	.72		.68	.29			6.03
Horton	do	T.				.60	.08		.17	.34	.10	T.	.08	.31	.04	.16					.43	.47	.61		.04	.42	.40			.21			4.46
Janelew (near)	do					.55			.25	.20				.68							.55	.55	.25		.20	.10	.35		.65	.30			4.93
Lost Creek	do	.02	T.			.70		T.	.20	.06	.51	.10	.02	.45		.12			T.		.58	.62	.42		.12	.29	.31		.40	.21	T.		5.13
Mannington	do	.01				.71		T.	.26	.05	.25	.11	.01	.23		.01			T.		.43	.33	.48	.01	.29	.17	.51		.38	.13		.07	4.77
Morgantown	do		T.			.75	T.		.13	T.				.45		.10			T.		.15	.20	.50		.20	.25	.70		.40	.05	T.	T.	3.81
New Cumberland ‖	Ohio	T.	.07	T.		.35	.31	.07		.02	.11			.11						.03	.05	.01	.10	.03		.06	.80	.04		.29	T.		2.43
New Martinsville	do		T.		T.	.55		T.	.10	.05	.20	.10		.20							.30	.15	.45	.05	.30	.10	.65		.40	.10	T.	.10	4.10
Parkersburg ***	do	T.		T.	T.	.27		.06	.04	.25	.02	.07	.10	.06		T.		.01		T.	.34	.45	.06		.12	.66			.47	.03	.01	.01	2.97
Parsons	Monongahela	T.							*	1.60	*	*	.67								*	*	*		*	*	T.		*	5.29		T.	7.56
Philippi	do	.02	T.			.44	T.		.56	.06	.14	.02	.45	.17		.28	T.		.09	T.	.85	.52	.78	.03	*	*	1.68		*	.20	.04		6.33
Pickens	do	.37	.08			1.20	T.		.57	.52	.38	.05	.69	.53		.16			.08		1.12	1.63	.67		.18	.80	.65		.66	.16	.08	.16	10.57
Roanoke	do	T.		T.		.48			.22	.37	.32		.03	.51		.10					.55	.75	.53	.07	.50	.35	.63		.37	.27	T.		6.05
Rowlesburg ‖	do		.06				.68		.31	.18	.54	.05		.64	.08	T.	.03				.03	1.55	.59	.16		.49	.94		T.	.45	.08		6.86
Saint Marys ‖	Ohio		.01		T.	.23	.56		.08	T.	.32	.08	.04	.08	T.				T.		.21	.52	.50	.02	.08	.15	.70		.15	.36	T.		4.09
Smithfield ‖	Fishing Creek					.80								.22		T.					.50					.30	.40		.16	.60	.04		3.02
Terra Alta	Monongahela	.03	.01	.02	T.	.86	T.	T.	.38	.05	.38	.17	T.	.62	T.		.08		.01		.52	.89	.89	T.	.31	.56	.57	T.	.26	.13	T.	.01	6.49
Valley Chapel	do	.04				.05			.05	.15	.38	.10	.05	.45	.16						.50	.50	.50			.50	.70	.05	.40	.02	.04	.04	4.68
Vandalia	do					.15	.08			.05			.07		.10						.10	.05		.17	.13	.25			.15	.20	.05	.10	1.65
Wellsburg	Ohio	T.	T.			1.53			.03		.19	.05	.02	.05					T.	T.	.03		.10		.09	.65	.65		.05	T.	T.	.09	2.02
West Milford	Monongahela				.68				.34	.10	.40	.13		.45			.20				.50	.55	.45			.50	.74		.40	.20			5.71
Weston	do																																
Wheeling ‖	Ohio		.01			.47	.72	T.	.03	T.	.12	.04	.01	.12	T.				.01	T.	.05	.03	.26	.02	.05	.04	.83		.06	.40	T.		3.27
Woodlands ‖	do					.25	.68		.07	.03	.20	.06	.08	.20							.12	.37		.03	.05	.04	.80		.12	.34			3.41
Southern Division																																	
Arbovale	Great Kanawha	T.				.52	T.		.20	.31	.02	T.	.50			.15			T.		.25	1.00	.27		.07	.61	.65	T.	.36		.02		4.96
Bancroft ‖	do					.33			.27	.10	.28	.05		.12		T.	T.				.22	.89	.73	.04	.15	.30	.65		.15	.36			5.12
Beckley	do			.05									.20	.17	.05	.24	.65	.22	.33	.83	.07									T.			+++
Bluefield	do						.05		.14	.47	.14			.25		.20	T.		.21		.40	1.21	.32	.14	.10			.29	.37	.02	.10		4.41
Camden-on-Gauley ‖	do												1.10	T.		T.												T.	.80		T.	T.	1.90
Charleston ‖	do					.44	.40			.04	.40			.64	.06	T.					.11	.72	1.44	.02	.24	.40	.40		.11	.44			5.92
Clay ‖	do					.48	.62					.47		.72	.05						.50	.95	.94	.30	.01	.38	.63			.60			6.65
Dam 6 G. K. ‖	do					.38			.39		.32		.66								.15	.88	1.20	.03	.64	.31	.47			.51			5.97
Dam 19 O. R. ‖	Ohio					.15	.20		.06	.04	.28	.06		.16	.06				T.		.10	.43	.38	T.	.01	.12	.80		.18	.45	T.		3.48
Dam 20 O. R. ‖	do					.12	.25		.07	T.	.55	.05		.25					.01		.13	.43	.53		.03	.16	.75		.15	.40	T.		3.69
Dam 26 O. R. ‖	do					.13	.15		.05	.03	.25	.04		.50							.27	.70	.65		.10	.20	.65		.22	.32			4.29
Gary ‖	Big Sandy					.13	.10		.22		1.06			.68	.05	.16	.16				.38	.85	2.05		.15	1.00	.50		.40	.68			8.51
Hinton ‖	do					.42	.16		.16	T.	.80			.94	.03	T.	.20					.25	1.93		.22	.45	.97		.33	.42			7.31
Huntington ‖	Ohio					.12	.34		.02		.30	T.		.60							.40	.86	.92		.06	.38	.64		.26	.24	T.		5.14
Kanawha Falls ‖	Great Kanawha					.46	.46				.50			.90	.05						.07	.90	1.15						.25	.55			5.32
Kayford ‖	do		.03			.39	.42		.05	T.	.48	.07	.05	.75	.20	.04	.28		.03		.10	.95	1.07	.05	.12	.81	.81	T.	.11	.67	.04		7.52
Kermit ‖	Big Sandy				.12			.08			.45			.80	.10							.74	1.00		.40	.60	.50		.30	.60	.03		5.72
Lewisburg	Great Kanawha					.44			.08	.70	.11		.36	.49		.24					.30	.72	.82		.44	.61	.42		.73	.09	T.		6.26
Logan	Guyandotte					.50			.06		.52	.02		.93	T.		.40				.22	.85	1.55		.18	.65	.68		.30	.67			7.53
Marlinton	Great Kanawha	T.			.02	.62	T.		.08	.42	.62	T.	1.10	.22		.15		T.			.18	.74	.78	T.	.12	.82	1.05		.45	T.	T.		7.40
Organ Cave	do			.22			.45				.30	.10	.50	.50	.40		.24				.30	1.10	.40		.60	.80			.40				6.11
Point Pleasant ‖	Ohio					.11	.25		.30	.02	.42	.04		.12	.04						.38	.61	.59	.05	.05	.32	.68		.23	.40	T.		4.86
Ravenswood (Dam 22)	do					.12	.25			.12	.35	.05	.28								.18	.60	.53	T.	T.	.30	.70			.31	T.		3.77
Robertsburg ‖	Great Kanawha					.08	.25		.04	.05	.33	.03		.56							.29	.80	.59		.13	.23	.60		.24	.28	T.		4.50
Ryan	do					.72		T.	.13	.27	.15	.07	.12	.40		.04					.45	1.29	.11		.21	.51	.40		.46		.13	.04	5.53
Sharples ‖	Coal River						.20				.38			.96			.10				.29	.98	1.32		.02	.80							4.96
Sissonville ‖	Great Kanawha					1.17			T.	.35				.43		T.					*	1.31	.74			*	1.01		*	.52			5.53
Spencer ‖	do						.30		.12	.05	.41	.04	.05	.24	.04		T.				.08	.80	T.	T.	T.	.25	.64		.21	.39	T.		3.65
Sutton	do		.10			.70		.10	.20	.35	.37	.15	.18	.68		.24					.67	1.28	.48		.21	.50	.55		.51	.16	.08		7.51
Union	do						.25		.51	.48	.14			.36		1.00	.24				.26	.65	1.15		.41	.50		.42	.51	.20			7.08
Wayne ‖	Big Sandy					.43	.25		.05		.58	.01		.79						T.	.16	.82	1.26		.14	.54	.86		.33	.42			6.42
White Sulphur Springs ‖	Great Kanawha				.20	.12		.10	.04				.75	.05	.12						.65	1.25	.03	.10	.42	1.10		.12	.40				5.45
Williamson ‖	Big Sandy						.20					.60		.80	.10	.04	.05				.09	.90	1.45			.20	.15			.98	.05		5.61

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete.

Daily Temperatures for December, 1926

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	37	36	46	51	42	32	37	49	41	37	34	46	58	59	26	22	30	28	33	43	45	42	37	50	48	43	38	37	36	22	37	39.4
	Minimum	23	14	14	30	14	13	3	27	29	28	28	14	33	26	19	0	12	-14	-10	20	36	30	29	23	36	23	11	22	20	12	14	18.7
Brandywine	Maximum	42	38	38	40	40	32	36	54	54	50	46	48	44	50	37	28	32	32	32	42	42	38	42	44	44	38	35	35	35	34	32	39.8
	Minimum	20	22	25	34	24	20	9	27	34	46	37	20	38	35	25	8	10	4	0	22	35	34	34	34	38	30	15	30	29	26	25	25.5
Burlington	Maximum	61	60	....	59	61	60	51	40	42	45	50	44	38	36	35	31	20	18	21	40	58	60	65	....	....	....	....	....	....	....	....	45.2
	Minimum	21	20	....	19	20	18	11	10	15	20	25	20	16	18	10	12	0	0	1	18	28	30	31	....	....	....	....	....	....	....	....	16.5
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Martinsburg§	Maximum	51	35	37	37	35	33	34	45	35	44	46	48	42	45	30	30	39	25	26	49	51	36	38	43	43	38	42	38	38	35	....	38.9
	Minimum	27	22	21	24	16	17	20	31	31	30	29	26	26	35	22	12	14	5	3	5	24	32	24	25	33	31	18	20	31	21	18	22.4
Moorfield	Maximum	50	44	39	56	41	39	31	55	52	52	45	47	47	50	38	32	46	38	32	55	52	49	41	41	45	42	47	42	35	38	43	44.0
	Minimum	18	12	20	31	21	23	19	26	34	36	36	23	36	35	24	11	15	5	3	21	32	34	33	34	38	33	19	29	30	22	21	25.0
Piedmont	Maximum	42	32	35	53	36	30	28	53	41	38	38	41	42	49	31	24	35	31	24	40	49	40	31	40	46	35	38	33	33	28	40	37.4
	Minimum	29	21	20	32	15	21	9	27	30	30	34	26	36	30	24	10	19	2	2	19	38	33	32	32	34	29	19	27	14	18	14	23.4
Romney	Maximum	33	36	55	....	40	27	54	45	42	42	....	....	....	48	30	42	32	26	28	....	....	52	....	....	44	35	44	38	33	32	....	39.0
	Minimum	26	22	18	31	...	15	10	25	32	29	34	....	....	....	23	10	12	3	1	9	....	....	22	....	....	31	18	30	30	20	17	20.3
Upper Tract	Maximum	40	....	33	....	32	31	35	42	51	50	....	48	48	45	44	27	34	32	31	....	46	44	....	48	47	31	32	32	31	....	....	38.9
	Minimum	21	....	19	....	20	18	11	30	32	30	....	24	26	25	24	8	15	2	1	....	20	32	....	32	28	29	18	20	29	....	....	21.5
Wardensville§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Northern Division																																	
Bens Run	Maximum	40	33	51	53	50	31	35	43	41	43	39	41	64	62	37	28	34	32	35	42	45	40	46	49	49	42	48	39	38	30	38	41.9
	Minimum	32	20	27	32	30	18	17	31	33	34	34	26	40	28	22	11	23	6	9	30	37	35	34	30	34	29	24	31	29	21	25	26.8
Buckhannon	Maximum	40	33	54	54	55	38	46	50	44	45	38	44	62	55	30	22	33	29	36	43	46	46	49	53	52	54	45	42	39	28	40	43.4
	Minimum	31	21	26	35	31	19	14	35	34	35	34	30	42	30	22	2	13	2	2	28	40	37	36	33	38	28	21	31	25	20	23	26.4
Cairo	Maximum	41	33	55	53	49	30	41	51	40	39	40	41	63	54	27	25	34	30	37	45	46	40	49	50	47	44	45	39	38	30	38	41.7
	Minimum	30	18	27	33	28	15	14	36	34	34	28	23	40	22	18	9	15	4	4	27	38	35	35	30	34	29	22	30	28	22	20	25.2
Clarksburg §	Maximum	40	32	54	46	49	30	51	51	39	37	39	48	64	32	27	24	34	23	43	46	44	41	53	51	51	30	52	39	31	33	39	41.1
	Minimum	32	22	22	31	30	18	14	18	35	34	34	23	29	31	21	6	8	5	4	5	36	37	36	30	37	29	22	25	30	20	21	24.0
Creston	Maximum	42	36	59	58	50	36	40	52	42	39	40	39	66	62	30	27	34	34	40	48	48	42	51	52	51	52	40	42	40	32	40	44.0
	Minimum	30	23	24	36	35	17	15	33	35	36	33	24	35	29	23	10	20	7	6	25	39	36	36	32	33	30	23	28	29	21	21	26.6
Elkins	Maximum	42	27	56	56	49	25	45	51	44	44	37	43	63	57	25	20	33	22	36	48	48	50	46	51	48	48	43	41	34	28	37	41.8
	Minimum	21	17	23	34	23	14	12	38	33	34	31	22	42	23	13	6	14	-4	-1	26	41	35	34	34	40	25	18	30	22	18	26	24.0
Fairmont§	Maximum	39	35	51	42	49	30	49	51	39	37	37	50	61	32	27	27	39	25	41	45	43	39	50	49	46	32	50	39	30	30	43	40.5
	Minimum	33	22	22	30	28	18	15	18	33	33	33	25	26	30	22	8	9	4	4	5	36	35	35	32	35	30	22	23	29	20	20	23.7
Glenville	Maximum	45	35	48	45	61	....	45	....	58	54	53	52	....	60	33	29	38	37	46	55	....	57	60	....	55	56	56	55	54	36	51	49.0
	Minimum	29	20	24	33	32	18	14	33	36	35	35	24	40	29	22	9	18	7	6	28	42	36	36	33	38	29	22	30	29	23	22	26.8
Grafton(near)§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Lost Creek	Maximum	40	32	55	54	50	34	44	50	42	37	36	43	65	60	32	28	34	31	38	43	47	41	53	50	50	49	52	38	37	28	40	43.0
	Minimum	31	18	22	35	29	15	11	31	32	34	31	20	40	32	18	0	15	0	1	24	39	35	34	27	34	27	18	26	25	18	21	24.0
Mannington	Maximum	40	30	50	53	51	34	40	50	41	38	37	43	63	58	29	24	35	31	34	42	44	40	47	50	48	46	47	39	38	28	40	41.6
	Minimum	30	22	24	31	28	19	14	33	33	34	34	22	40	29	21	10	21	0	2	27	35	36	34	28	34	29	20	28	28	20	22	25.4
Morgantown	Maximum	38	28	51	52	49	30	44	47	37	36	36	48	61	59	27	22	33	27	33	43	43	40	47	49	49	46	50	42	35	25	40	40.9
	Minimum	27	20	22	28	24	18	14	35	31	32	32	27	44	27	20	7	18	0	2	31	35	34	34	37	32	28	23	34	25	17	24	25.2
New Cumberland§	Maximum	39	30	45	36	35	32	46	46	35	36	36	43	60	30	26	28	29	28	38	40	40	37	45	54	37	36	48	48	31	32	....	38.2
	Minimum	34	21	21	30	19	21	14	18	33	32	33	28	29	27	21	8	12	4	5	9	38	32	36	37	21	25	28	28	28	18	20	23.7
New Martinsville	Maximum	42	33	51	50	50	35	36	51	41	37	39	44	65	61	34	29	33	34	38	42	45	41	47	47	47	45	50	45	38	35	40	42.7
	Minimum	28	18	23	28	27	16	13	31	29	31	31	22	38	25	20	9	18	-1	-2	28	32	32	31	26	31	26	20	27	25	18	23	23.3
Parkersburg	Maximum	41	33	57	55	54	31	46	51	38	38	41	51	67	44	28	28	34	23	46	47	47	37	49	50	42	38	46	40	34	33	40	42.0
	Minimum	28	22	30	31	26	20	20	36	34	34	33	30	44	21	16	12	20	8	11	37	37	35	34	38	31	29	26	34	24	23	33	27.8
Parsons	Maximum	45	48	42	41	46	34	36	52	46	45	46	40	55	45	28	20	30	26	35	47	49	47	47	47	48	34	35	49	49	29	35	41.2
	Minimum	27	21	28	33	34	19	11	28	40	35	35	21	40	28	20	6	13	-2	-1	23	46	36	34	36	34	28	21	28	23	19	16	25.2
Philippi	Maximum	39	31	55	45	50	38	45	50	48	41	36	54	63	66	27	20	32	29	37	36	45	46	50	....	....	....	....	....	....	26	37	41.8
	Minimum	30	19	22	25	20	16	15	24	37	32	31	26	45	27	18	3	15	-1	2	30	35	35	34	....	....	....	....	....	....	17	22	23.2
Pickens	Maximum	38	25	47	44	43	25	43	46	45	45	34	45	57	51	25	15	27	20	32	40	49	42	42	48	49	48	38	43	35	23	32	38.6
	Minimum	20	12	18	34	24	10	8	35	34	30	22	17	42	20	10	-2	6	-9	0	26	32	30	30	29	43	20	14	27	15	13	18	20.3
Terra Alta	Maximum	35	24	45	50	42	30	36	46	35	34	32	40	54	54	23	15	27	23	32	40	41	39	32	47	47	35	41	37	35	21	35	36.4
	Minimum	24	14	12	28	14	13	6	34	28	29	27	16	34	23	15	2	12	-14	-7	24	37	31	29	32	31	24	14	26	18	12	18	19.5
Wellsburg	Maximum	41	29	46	45	34	30	34	46	37	35	36	43	60	57	30	25	31	27	28	41	42	37	45	47	47	40	43	45	36	27	38	38.8
	Minimum	28	22	20	27	22	20	11	33	32	31	33	23	37	26	17	8	21	-5	-1	25	35	33	33	28	31	29	21	27	25	19	24	23.7
Weston	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Wheeling§	Maximum	42	34	44	41	34	30	48	48	37	37	37	50	60	34	30	31	32	22	40	43	40	38	50	47	40	32	49	38	32	35	41	39.2
	Minimum	32	20	24	29	20	15	13	15	30	30	30	23	24	24	19	8	9	0	-1	1	31	32	30	28	32	31	22	22	22	17	19	21.0
Southern Division																																	
Bluefield	Maximum	58	49	59	54	....	56	44	47	51	55	44	....	63	58	34	24	34	32	....	46	50	49	54	55	....	....	57	45	44	34	42	47.6
	Minimum	30	20	31	45	....	22	22	37	44	42	34	....	27	33	23	7	12	20	....	14	45	29	36	36	....	....	31	35	21	26	27	28.8
Charleston	Maximum	44	38	61	57	56	38	54	57	45	41	45	52	70	34	28	28	36	33	45	50	48	45	53	51	50	35	50	43	32	38	43	45.3
	Minimum	30	27	27	38	38	24	18	18	39	39	38	28	29	33	26	10	10	16	13	15	38	44	38	36	39	31	26	26	30	22	22	28.0
Gary §	Maximum	48	43	63	50	61	37	52	51	54	50	45	45	70	42	30	29	38	35	49	45	57	53	51	52	61	32	46	46	31	38	47	46.8
	Minimum	29	25	25	26	43	27	20	23	44	46	39	25	30	42	27	5	4	7	13	17	37	44	34	34	43	30	21	24	30	23	23	28.2
Huntington §	Maximum	44	36	61	55	55	31	52	53	40	41	43	52	65	34	30	29	37	25	43	48	45	41	48	52	40	32	42	40	33	37	41	42.7
	Minimum	33	26	26	36	35	23	22	24	37	37	37	30	31	30	25	13	13	15	15	15	40	40	38	38	37	30	28	24	30	22	22	28.1
Lewisburg	Maximum	44	39	45	49	46	40	36	52	49	47	40	37	53	50	32	27	32	32	34	41	48	49	42	59	50	50	39	37	40	32	39	42.3
	Minimum	25	20	27	31	31	18	15	29	39	39	35	32	33	29	23	5	4	7	3	23	39	33	36	30	39	26	20	29	25	17	18	25.2
Marlinton	Maximum	38	34	42	46	42	32	32	48	44	42	34	32	50	40	28	20	30	26	32	40	42	42	36	40	42	42	34	32	32	30	32	36.6
	Minimum	22	16	22	30	32	14	6	26	36	34	22	18	30	24	16	0	2	6	0	20	36	36	32	30	40	20	14	28	22	18	14	21.5
Point Pleasant	Maximum	51	53	60	58	55	50	48	51	50	58	58	45	68	60	60	58	48	46	41	45	45	40	52	48	50	50	40	40	40	35	40	49.8
	Minimum	20	28	30	30	30	20	11	20	30	30	29	28	40	28	19	11	9	12	9	30	30	35	35	30	30	20	22	30	20	22	19	24.4
Ravenswood	Maximum	42	35	59	57	53	37	41	52	43	39	42	42	66	63	33	28	35	34	39	44	51	42	50	51	52	42	45	40	40	34	40	44.2
	Minimum	32	18	29	35	32	17	20	38	35	35	35	28	41	28	27	12	18	8	8	32	37	36	35	38	35	29	26	31	29	22	28	28.2
Robertsburg§	Maximum	42	36	50	52	55	40	50	52	39	40	45	62	67	38	22	29	34	26	42	42	44	43	50	50	42	32	48	40	32	35	40	42.2
	Minimum	28	18	20	33	32	18	15	22	33	34	34	24	27	27	22	10	10	10	7	10	34	34	36	36	34	28	25	25	27	21	21	24.4
Ryan	Maximum	41	35	38	54	52	36	40	45	42	38	37	44	65	50	28	25	33	30	35	46	46	42	46	50	45	37	46	40	42	38	36	41.4
	Minimum	25	15	25	31	31	14	13	32	33	34	30	21	44	25	20	6	10	7	5	26	37	35	34	34	34	26	20	28	29	18	19	24.5
Spencer §	Maximum	42	40	58	56	51	33	52	53	39	38	48	52	62	60	35	27	34	26	45	48	49	50	52	57	56	41	48	39	35	35	42	45.3
	Minimum	38	21	28	40	40	18	19	33	32	36	36	38	41	31	32	13	22	10	11	26	40	38	42	42	37	22	22	30	23	15	23	29.0
Sutton	Maximum	44	44	57	57	46	45	41	46	46	45	45	45	65	65	36	30	34	34	41	45	46	46	47	52	52	46	45	50	50	32	39	45.7
	Minimum	29	23	27	34	33	19	14	33	36	36	35	23	35	30	24	1	10	8	5	28	32	33	31	31	36	29	22	32	28	22	21	25.8
Union	Maximum	47	43	49	51	....	50	40	49	50	48	47	....	58	60	39	31	34	36	....	44	49	50	45	42	51	....	55	39	42	35	40	45.3
	Minimum	25	21	30	40	....	21	16	31	42	42	34	....	22	26	26	7	4	11	....	6	44	42	38	32	41	...	22	31	29	18	24	26.9
White Sulphur Spgs§	Maximum	41	52	52	45	35	41	54	49	49	42	40	60	50	34	24	38	34	42	49	51	49	45	46	53	34	43	43	33	34	44	....	43.5
	Minimum	20	23	30	31	19	10	16	35	39	32	20	22	37	25	8	3	4	1	3	32	38	38	30	35	28	19	20	30	19	16	19	22.6
Williamson§	Maximum	46	51	72	56	65	42	51	48	43	54	58	53	62	34	25	24	30	26	36	48	54	48	54	58	47	42	47	45	33	41	42	46.3
	Minimum	31	28	30	43	42	33	32	35	33	36	35	36	39	25	18	4	12	12	10	18	35	42	40	46	46	31	28	29	32	25	26	30.2

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland. 1-27-27--810)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIV Parkersburg, W. Va., Year, 1926 No. 13

GENERAL SUMMARY

The year 1926 was somewhat colder and much wetter than usual. The snowfall was especially heavy.

January was moderately cold. February was moderately warm . An especially cool period, considered by months, prevailed from early in March until well into July. August and September were warm. The temperature for October was nearly normal. November was decidedly cool. The December temperature averaged near normal.

The January precipitation was slightly deficient. February was wet. The precipitation was much deficient for March, April, May, and June The July rainfall was practically normal. August, September, October, November, and December were wet months. The spring and early summer months were unfavorable for growth and farm work, owing to cool weather and lack of moisture. The late summer and fall months were too wet for harvesting and the curing of grains and hay. Much grain was lost by sprouting in the shock.

The season of growth extended from early in May to late in October, being somewhat longer than usual.

Cloudiness was considerably in excess. The sunshine at Parkersburg averaged 40 per cent. of the possible amount, or 6 per cent below the normal. The average at Elkins was 42 per cent., or 3 per cent. below the normal.

The wind movement at Parkersburg was 50,915 miles and at Elkins 49,598 miles.

THE WEATHER BY MONTHS

January.—January was characterized by moderately heavy snow and unusually low temperature during the last decade. Moderately heavy rain on the 21st-22d caused the snow to melt rapidly, giving decided rises in the smaller rivers and rather high stages in the Ohio River. The Little Kanawha River at Glenville reached a flood stage of 23.3 feet and the Ohio River at Point Pleasant reached a stage of 38.7 feet. Floating ice caused a suspension of boating on the Ohio River for several days.

February.—February was considerably warmer and wetter than usual. The temperature fell to zero at only six stations, and the precipitation averaged .87 inch above the normal. The snowfall was more than thrice the normal. Notwithstanding the heavy precipitation and warm weather, the rivers were only at moderate stages, owing to the high temperature periods being of short duration. The weather was mostly favorable for fruit and winter grains.

March.—March was exceptionally cold and generally cloudy, with the precipitation much deficient. The snowfall, however, was twice the March average. It was the coldest March of State record since 1891, except in 1915, and the longest cold period of State March record prevailed from the 2d to the 17th. Fruit buds were dormant at the close of the month, the outlook for fruit being excellent.

April.—This month, with a mean temperature of 47.1°, was the coldest April of State record, except in 1907, when the average was 45.6°. The weather was nearly continuously cold, the temperature being above the normal for only three short periods.

Continued on page 51

TEMPERATURE AND PRECIPITATION DATA FOR 1926

Month	Temperature in degrees Fahrenheit				Precipitation in inches				Sky			Prevailing direction of the wind
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest local amount	Number of rainy days	Clear	Pt. Cloudy	Cloudy	
nuary	29.7	− 2.5	66	−23	3.71	−0.25	7.74	11	8	5	18	W.
ebruary	34.9	+ 2.6	72	− 3	4.01	+0.89	8.88	13	6	5	17	W.
arch	35.9	− 6.9	75	− 9	2.87	−0.94	9.82	13	10	7	14	W.
pril	47.1	− 4.5	87	8	2.44	−1.07	5.54	10	10	8	12	W.
ay	61.2	− 0.7	94	24	2.50	−1.51	4.65	9	15	8	8	W.
ne	65.9	− 3.1	95	31	3.85	−0.96	9.18	11	13	8	9	W.
ly	72.6	− 0.2	107	37	4.45	+0.05	8.07	10	15	8	8	W.
gust	74.0	+ 2.1	105	38	6.94	+3.00	15.36	13	13	7	11	W.
ptember	68.6	+ 3.0	98	31	5.35	+2.41	10.57	13	10	8	12	W.
tober	54.9	− 0.3	92	20	4.79	+1.72	8.74	12	10	8	13	W.
vember	40.7	− 2.0	82	4	3.59	+0.84	6.67	9	10	5	15	W.
cember	33.9	+ 0.3	72	−14	5.10	+1.59	10.57	15	6	4	21	W.
nual	51.6	− 1.1	107	−23	49.60	+6.67	15.36	139	126	81	158	W.

EVAPORATION

Monthly evaporation (inches); wind movement (miles)

Name of Station.		Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.
Clarksburg	Evaporation	......	3.886	5.598	5.174	5.711	4.962	3.463	2.014	
	Wind Movement	......	2,893	1,819	1,493	1,088	914	735	917	1,0[illegible]

Station established June 1, 1923.

Dates on which First and Last Killing Frost Occurred or Minimum Temperature Fell to 32 Degrees

Station	Last in Spring	First in Autumn	Station	Last in Spring	First in Autumn
Bancroft	April 28	Oct. 26	Martinsburg	April 29	Oct. 22
Bayard	May 26	Oct. 8	Moorefield	May 5	Oct. 22
Beckley	April 28	Oct. 10	Morgantown	May 4	Oct. 25
Bens Run	April 27	Oct. 26	Moundsville	April 27	Oct. 26
Benson	May 5	Oct. 22	New Cumberland	May 4	Oct. 11
Bluefield	....	Oct. 22	New Martinsville	May 4	Oct. 22
Brandywine	May 5	Oct. 8	Parkersburg	April 27	Nov. 4
Brownsville	April 27	Oct. 28	Parsons	April 27	Oct. 22
Buckhannon	April 27	Oct. 29	Philippi	May 4	Oct. 25
Burlington	May 12	....	Piedmont	April 27	Oct. 8
Cairo	May 5	Nov. 4	Pickens	May 12	Oct. 8
Charleston	April 27	Oct. 26	Point Pleasant	May 5	Oct. 26
Clarksburg	April 27	Oct. 22	Ravenswood	April 29	Nov. 1
Creston	April 27	Oct. 7	Robertsburg	May 5	Oct. 22
Elkins	April 27	Oct. 22	Romney	May 5	Oct. 24
Fairmont	April 27	Oct. 22	Ryan	May 5	Oct. 8
Gary	April 27	Oct. 26	Smithfield	....	Oct. 27
Glenville	May 5	Oct. 26	Spencer	May 5	Oct. 25
Grafton	May 11	....	Sutton	May 5	Oct. 22
Hinton	....	Nov. 4	Terra Alta	May 21	Sept. 11
Huntington	April 28	Nov. 3	Union	May 5	Oct. 8
Inwood	April 29	Oct. 22	Upper Tract	May 5	Oct. 8
Janelew	May 5	Oct. 25	Valley Chapel	May 4	Oct. 28
Lewisburg	May 5	Oct. 22	Wardensville	May 12	....
Lost Creek	May 5	Oct. 22	Wellsburg	May 11	Oct. 9
Mannington	April 29	Oct. 28	Wheeling	May 4	Oct. 22
Marlinton	May 24	Oct. 8	White Sulphur Springs	May 4	Oct. 21

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Precipitation			Number of days			
	State mean	Highest	Lowest	State average	Greatest local amount	Average snowfall	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	......	......	45.96	......	......	......	......	......	......
1892	52.1	99	−12	38.33	7.20	......	......	......	......	......
1893	52.0	99	−25	39.82	7.85	......	116	......	......	......
1894	53.5	103	−29	34.52	7.48	......	102	155	114	96
1895	51.5	107	−21	32.82	7.69	......	100	150	111	104
1896	53.6	97	−10	43.49	15.70	......	111	132	128	106
1897	53.5	103	−18	41.59	8.42	......	116	141	113	111
1898	54.8	103	−13	47.61	11.57	20.6	117	133	129	103
1899	53.2	100	−35	40.97	8.64	36.1	108	142	107	116
1900	54.1	104	−11	37.62	9.00	30.6	114	135	116	114
1901	52.1	104	−11	44.78	11.10	28.2	116	128	95	142
1902	52.8	104	−14	42.19	9.95	49.1	112	128	118	119
1903	52.0	105	−19	40.55	12.30	29.3	112	151	102	112
1904	50.9	98	−20	33.33	8.29	31.7	111	148	110	108
1905	52.3	100	−22	45.53	10.64	35.3	117	144	102	119
1906	54.0	101	−11	44.36	11.15	40.2	130	134	101	130
1907	51.7	98	−23	52.15	13.36	35.0	138	128	102	135
1908	53.7	101	−16	40.47	11.45	38.0	116	155	110	101
1909	53.0	101	−10	43.02	10.50	30.3	126	143	109	113
1910	52.3	98	−11	38.60	13.16	47.4	118	140	103	122
1911	54.6	106	− 5	47.13	12.63	23.2	131	140	97	128
1912	51.7	100	−34	43.78	14.02	33.9	124	159	81	126
1913	53.9	103	− 4	49.02	10.53	31.6	122	162	79	124
1914	52.3	106	−22	39.71	10.05	67.7	116	153	81	131
1915	52.8	101	− 8	43.76	11.38	29.4	125	146	84	135
1916	52.6	104	−18	44.63	10.79	43.9	121	157	92	117
1917	49.9	101	−37	44.33	14.20	54.6	123	163	74	128
1918	53.2	110	−27	44.77	10.28	37.7	122	160	83	122
1919	54.0	104	−16	47.27	13.08	16.8	118	164	78	123
1920	52.0	99	−11	41.62	9.70	25.7	120	147	75	114
1921	55.6	101	−10	45.45	10.67	22.4	122	145	93	127
1922	54.1	100	−15	41.57	8.19	25.8	117	164	68	133
1923	52.7	102	−20	46.03	12.42	23.9	125	161	73	131
1924	50.5	104	−16	47.84	10.88	36.1	129	154	79	133
1925	53.2	104	−27	41.20	13.08	31.1	124	147	85	133
1926	51.6	107	−23	49.60	15.36	49.4	139	126	81	158
1891-1926	52.7	110	−37	42.93	15.70	34.7	119	147	96	122

CLIMATOLOGICAL DATA FOR THE YEAR 1926

Stations	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number rainy days	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall		Number clear days	Number partly cloudy days	Number cloudy days	
PANHANDLE DIVISION																				
Bayard	Grant	2,375	25	47.5	95^{a}	July 22†	-14	Dec. 18	25	89.01	15.36	Aug.	3.73	Apr.	113.0	192	138*	69*	158*	sw.
Brandywine	Pendleton	1,586	11	49.6	98	July 22	-6	Jan 11	11	34.80	5.10	Aug.	1.10	Mar.	42.0	81	172	43	150	sw.
Harpers Ferry	Jefferson	244	......	......	......	......	......	......	38	37.76	7.19	Aug.	1.23	Mar.	19.0	110	......	......	......	......
Inwood	Berkeley	569	5	......	104^{a}	July 22	......	......	5	......	......	......	......	......	......	......	......	......	......	nw.
Martinsburg	Berkeley	435	35	52.0	106^{a}	July 21†	2	Jan. 11	35	42.58	6.89	Aug.	1.46	Apr.	24.7	139	238	70	57	w.
Moorefield	Hardy	900	31	......	106	July 22	-10	Jan. 11	31	36.23	5.10	Aug.	1.78	Jan.	40.7	104	......	......	......	......
Piedmont	Mineral	1,053	11	50.5	100	July 22	-3	Jan. 29	11	34.57	6.63	Aug.	0.07	May	......	110	133	71	161	nw.
Romney	Hampshire	824	30	51.5	107^{a}	July 22	-1	Jan. 29	30	......	......	......	......	......	......	......	......	......	......	......
Stony River Dam	Grant	3,300	......	......	......	......	......	......	7	46.66	9.58	Aug.	1.86	May	90.3	157	56	83	226	w.
Upper Tract	Pendleton	1,230	28	49.3	99^{h}	July 22	-3^{g}	Jan. 29	28	......	......	......	......	......	......	......	......	......	......	w.
Wardensville	Hardy	1,200	9	......	101^{a}	Aug. 13	-11	Jan. 11†	9	......	......	......	......	......	......	......	......	......	......	......
Averages and extremes		......	......	50.1	107^{a}	July 22	-14	Dec. 18	......	45.94	15.36	Aug.	0.07	May	55.0	128	147	67	151	w.
NORTHERN DIVISION																				
Aberdeen	Upshur	1,060	3	......	......	......	......	......	3	52.97	6.48	Sept.	2.30	Apr.	37.4	160	72	162	131	nw.
Bens Run	Pleasants	622	26	53.2	98	July 21†	-8	Jan. 29	26	48.22	7.03	Aug.	1.20	May	60.0	131	152	116	97	......
Benson	Harrison	1,080	3	52.1	98	Aug. 12	-21	Jan. 29	3	55.66	7.64	Aug.	2.17	Apr.	31.1	165	95	168	102*	......
Brownsville	Lewis	1,032	3	53.3	100	Aug. 11	-12	Jan. 29	3	53.65	6.76	Aug.	2.21	Apr	......	170	97	146	122	......
Bruceton Mills	Preston	1,549	......	......	......	......	......	......	16	59.10	9.34	Sept	1.28	May	102.1	158	34	152	179	sw.
Buckhannon	Upshur	1,411	31	51.4	91	July 22	-12	Jan. 29	36	57.26	6.54	Aug.	3.14	May	46.3	140	153	54	158	......
Cairo	Ritchie	680	27	52.2	98	Aug. 11	-16	Jan. 29	22	54.91	7.23	Aug.	1.72	May	24.0	139	132	81	152	......
Clarksburg	Harrison	1,015	5	51.2	100	Aug. 11	-13	Jan. 29	5	51.59	8.46	Sept.	2.06	May	36.4	168	101	91	173*	nw.
Cortland	Tucker	3,300	......	......	......	......	......	......	11	......	......	......	3.15	Nov.	......	......	......	......	......	......
Crawford	Lewis	1,107	4	......	......	......	......	......	4	58.21	7.02	Sept.	2.96	Mar.	40.5	149	123	118	124	w.
Creston	Wirt	640	26	53.6	103	Aug. 11	-11	Jan. 29	26	52.99	7.27	Aug.	2.55	May	32.2	139	132	11	222	w.
Dam 10 Mon. R.	Marion	826	......	......	......	......	......	......	11	46.21	7.69	Sept.	1.29	May	......	174	......	......	......	......
Dam 12 O. R.	Ohio	660	......	......	......	......	......	......	11	39.49	8.44	Sept.	1.41	Mar.	......	142	......	......	......	......
Dam 13 O. R.	Ohio	655	......	......	......	......	......	......	11	47.12	8.71	Sept.	1.87	Mar.	......	167	......	......	......	......
Dam 15 Mon. R.	Monongalia	882	......	......	......	......	......	......	5	46.44	6.49	Sept.	1.83	Apr.	......	184	......	......	......	......
Davis	Tucker	3,093	......	......	......	......	......	......	17	66.64	10.50	Aug.	2.93	May	115.8	196	96	97	172	w.
Elizabeth	Wirt	646	......	......	......	......	......	......	16	50.93	7.76	Aug.	1.78	May	29.5	133	......	......	......	......
Elkins	Randolph	1,947	27	49.3	94	July 22	-13	Jan 29	27	50.45	6.57	Aug.	2.01	Nov.	65.2	199	57	112	196	w.
Evenwood	Randolph	3,240	......	......	......	......	......	......	2	66.19	11.27	Aug.	2.95	Mar.	83.0	192	47	96	222	......
Fairmont	Marion	883	22	51.3	99	Aug. 11	-10	Jan. 29	35	48.35	6.09	Feb	1.98	Apr.	70.1	157	186	33	146	w.
Glenville	Gilmer	738	34	54.7	103	Aug. 11	-6	Jan. 29	40	56.12	6.43	Sept.	3.05	Apr.	36.5	162	123	99	143	w.
Horton	Randolph	2,840	......	......	......	......	......	......	2	51.21	8.98	Aug.	2.30	Apr.	100.8	141	......	......	......	......
Janelew (near)	Lewis	1,020	4	52.8	98	Aug. 10†	-15	Jan. 29	4	55.48	8.58	Aug	2.69	May	28.5	123	174	62	129	sw.
Lost Creek	Harrison	1,026	30	51.0	99	Aug. 11	-20	Jan. 29	31	52.56	7.31	Aug.	2.26	Apr.	33.6	144	117	71	177	w.
Mannington	Marion	985	25	50.7	95	Aug. 11	-23	Jan. 29	25	52.29	9.16	Sept.	1.44	Apr.	52.7	186	113	78	174	w.
Morgantown	Monongalia	1,250	35	52.1	100	Aug. 11	-8	Jan. 29	53	45.20	7.54	Sept.	0.99	May	41.3	108	58*	116	191*	s.
Moundsville	Marshall	689	25	......	100	Aug. 11	......	......	25	......	9.27	Sept.	1.27	Apr.	......	......	......	......	......	......
New Cumberland	Hancock	671	30	49.6	100	July 20†	-7	Jan. 29	30	42.51	10.57	Sept.	1.21	May	29.5	151	138	41	186	s.
New Martinsville	Wetzel	634	34	52.1	100	Aug. 11	-15	Jan 29	35	47.42	6.08	July	1.32	May	......	121	141	66	158	s.
Parkersburg	Wood	638	39	53.3	99	July 21	-5	Jan 29	39	45.97	7.38	July	1.41	May	32.1	159	89	83	193	se.
Parsons	Tucker	1,649	28	......	98	Aug. 22	-13	Jan. 28	28	......	11.15	Aug.	2.19	May	......	......	......	......	......	......
Parsons (No. 2)	Tucker	......	1	......	......	......	......	......	1	57.07	8.76	Aug.	2.13	Nov.	18.2	......	......	......	......	......
Philippi	Barbour	1,550	31	......	95	Aug. 11	-11	Jan. 29	34	......	8.56	Aug.	......	......	......	......	......	......	......	w.
Pickens	Randolph	2,697	25	47.0	95	July 22	-17	Jan. 29	37	84.41	10.57	Dec.	3.57	May	185.0	167	139	67	159	w.
Roanoke	Lewis	1,050	......	......	......	......	......	......	4	54.33	6.87	Sept.	1.96	Apr.	49.5	161	127	86	152	......
Rowlesburg	Preston	1,375	......	......	......	......	......	......	42	64.28	12.59	Aug.	1.72	May	......	171	......	......	......	......
Saint Marys	Pleasants	577	......	......	......	......	......	......	18	51.22	8.21	Aug.	1.36	May	......	162	......	......	......	sw.
Smithfield	Wetzel	850	22	......	99	July 22	-18	Jan. 29	22	29.25	4.80	Sept.	0.86	Apr.	......	89	183	66	116	......
Terra Alta	Preston	2,559	28	45.3	88	July 22	-14	Dec. 18	28	56.74	7.98	Aug.	1.33	May	100.4	199	66	80	219	sw.
Valley Chapel	Lewis	1,011	4	53.7	100	July 23	-22	Jan. 29	4	53.32	6.77	Aug.	2.16	Apr.	38.5	166	181	31	153	w.
Vandalia	Lewis	1,120	......	......	......	......	......	......	4	44.51	5.91	July	1.65	Dec.	......	107	......	......	......	......
Wellsburg	Brooke	668	27	50.4	101	July 21	-13	Jan. 29	35	41.29	9.33	Sept.	1.74	Mar.	25.3	123	130	107	128	w.
West Milford	Harrison	979	2	......	......	......	......	......	2	55.03	7.97	Aug.	2.36	May	......	140	......	......	......	......
Weston	Lewis	1,026	32	......	99	Aug. 11	-9^{b}	Jan. 29	38	......	......	......	......	......	......	......	......	......	......	......
Wheeling	Ohio	645	41	50.7	103	July 21†	-10	Jan. 29	43	42.99	10.07	Sept.	1.10	Mar.	39.6	164	122*	81	162	sw.
Averages and extremes		......	......	51.4	103	July 21†	-23	Jan. 29	......	52.23	12.59	Aug.	0.96	July	54.6	154	116	89	160	w.
SOUTHERN DIVISION																				
Arbovale	Pocahontas	2,734	......	......	......	......	......	......	2	46.88	6.85	Aug.	2.39	June	57.0	155	138	86	141	w.
Bancroft	Putnam	574	24	53.1	99^{b}	Aug. 11	2	Jan. 29	24	48.28	5.47	Oct.	2.73	May	26.3	135	221	0	144	ne.
Beckley	Raleigh	2,440	27	......	......	......	-6	Jan. 29	27	......	......	......	......	......	......	......	......	......	......	w.
Bluefield	Mercer	2,563	32.	......	91^{d}	July 22	7	Dec. 16	32	33.25	4.58	Feb.	1.04	Oct.	......	139	......	......	......	......
Camden-on-Gauley	Webster	2,029	......	......	......	......	......	......	10	36.96	7.60	Sept.	0.80	Apr.	......	......	......	......	......	......
Charleston	Kanawha	600	24	54.7	103	Aug. 11	2	Jan. 28†	42	49.28	6.51	Aug.	2.48	Apr.	19.5	135	146	0	219	......
Clay	Clay	706	......	......	......	......	......	......	13	52.24	6.68	Dec.	2.92	Mar.	......	149	......	......	......	......
Dam 6 G. K.	Kanawha	598	......	......	......	......	......	......	2	43.13	6.27	July	1.86	Apr.	......	109	......	......	......	......
Dam 19 O. R.	Wood	600	......	......	......	......	......	......	10	56.03	8.07	July	2.32	Mar.	......	153	......	......	......	......
Dam 20 O. R.	Wood	600	......	......	......	......	......	......	9	47.98	9.52	Aug.	2.23	May	......	151	......	......	......	......
Dam 26 O. R.	Mason	564	......	......	......	......	......	......	11	37.97	5.24	Oct.	1.61	May	......	133	......	......	......	......
Gary	McDowell	1,426	9	53.9	96	Aug. 11	4	Dec. 17	9	46.52	8.51	Dec.	2.01	Apr.	......	167	......	......	......	......
Hinton	Summers	1,450	30	......	......	......	10^{i}	Jan 13†	38	46.09	7.87	Aug.	1.57	May	......	139	......	......	......	......
Huntington	Cabell	538	31	53.5	95	Aug. 11	6	Jan. 29†	32	43.80	5.32	Oct.	2.14	Sept.	21.9	143	122	55	188	w.
Kanawha Falls	Fayette	618	......	......	......	......	......	......	10	47.68	8.53	Aug.	1.47	Apr	......	109	......	......	......	......
Kayford	Kanawha	1,335	......	......	......	......	......	......	10	58.56	7.52	Dec.	2.14	Apr.	50.3	181	......	......	......	......
Kermit	Mingo	579	......	......	......	......	......	......	2	47.45	8.14	Aug.	1.47	June	......	104	......	......	......	......
Lewisburg	Greenbrier	2,250	27	51.2	100	July 22	-4	Jan. 29	35	42.18	7.46	Oct.	1.27	June	28.5	118	130	88	147	nw.
Logan	Logan	700	23	......	......	......	......	......	23	53.08	9.68	Aug.	2.13	Apr.	......	130	......	......	......	......
Marlinton	Pocahontas	2,131	28	45.9	92	Aug. 11	-16	Jan. 29	28	60.92	10.56	Aug.	3.00	Sept.	45.0	154	63	202	100	sw.
Organ Cave	Greenbrier	......	......	......	......	......	......	......	2	34.10	6.27	Oct.	0.83	July	32.5	110	136	59*	170	w.
Point Pleasant	Mason	595	34	55.2	102	July 19†	-6	Jan. 29	37	47.31	6.13	Aug.	2.25	Sept	16.6	146	165	33	164	sw.
Ravenswood (Dam 22.)	Jackson	584	4	53.4	100	Aug. 11	2	Jan. 13†	12	43.40	5.08	Oct.	2.45	Mar.	......	118	143	0	222	nw.
Robertsburg	Putnam	570	27	52.1	101	Aug. 11	-3	Jan. 13	27	41.67	4.89	Aug.	2.69	June	......	149	167	0	198	......
Ryan	Roane	700	24	51.2	98	Aug. 11	-5	Jan. 13†	24	53.44	8.57	Aug.	3.12	May	39.7	163	122	77	166	......
Sharples	Logan	889	......	......	......	......	......	......	7	56.11	10.23	Aug.	2.33	Apr.	......	......	......	......	......	......
Spencer	Roane	784	22	52.6	98	Aug. 11	-5	Jan. 29	29	43.43	4.79	Feb.	2.86	Apr.	40.6	136	40	166	159	......
Sutton	Braxton	850	23	......	99	Aug. 11†	-8	Jan. 29	23	67.90	9.36	Aug.	3.99	May	77.5	139	213	0	152	......
Union	Monroe	2,250	23	52.6	102^{d}	July 22	-1	Jan. 29	23	43.06	7.08	Dec.	1.03	June	32.9	122	......	......	......	......
Wayne	Wayne	598	......	......	......	......	......	......	2	50.86	7.02	Oct.	1.60	Apr.	......	145	......	......	......	......
White Sulphur Springs	Greenbrier	1,914	17	51.7	101^{a}	July 21	0	Jan. 28	17	39.28	6.59	Oct.	0.90	June	17.2	151	178	52	135	......
Averages and extremes		......	......	52.4	103	Aug. 11	-16	Jan. 29	......	47.27	10.56	Aug.	0.80	Apr.	36.1	139	142	59	164	w.
State averages and extremes		......	......	51.6	107	July 22	-23	Jan. 29	......	49.60	15.36	Aug.	0.07	May	49.4	139	126	81	158	w.

† And other dates

* 1 day interpolated from nearby stations

Monthly and Annual Mean Temperatures for the Year 1926, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
PANHANDLE DIVISION																										
Bayard	29.3	+1.3	30.0	+2.6	31.0	−6.7	44.1	2.3	57.5	+0.7	62.2	1.1	67.8	+0.2	68.0	+2.0	63.0	+3.0	51.4	+2.6	36.6	1.6	29.0	+0.5	45.5	[illegible]
Brandywine	26.8	3.0	33.2	0.9	33.4	−9.0	44.0	5.8	58.2	+0.2	63.8	4.1	71.4	+0.5	71.0	+1.1	67.2	+3.2	54.0	−0.6	36.0	5.9	32.6	0.7	44.4	[illegible]
Burlington	...	...	...	...	37.0[b]	−4.2	48.1	2.5	67.8[c]	...	70.0	+1.7	...													
Inwood	...	...	...	...	...	...	48.4[h]	...	61.6[a]	...	65.8[a]	...	72.7[a]	...	71.3[c]	...	66.3[a]	...	54.4[a]	...	41.2[a]	...	30.8	1.4		
Martinsburg	30.8[a]	+0.3	33.4[a]	+3.4	38.8[a]	−2.5	48.7[a]	−2.8	62.4[a]	+1.3	67.8[a]	−2.8	75.4[a]	+0.1	74.2[a]	+1.2	66.8[a]	+0.7	54.5[a]	−0.1	40.2[a]	2.5	30.6[a]	2.1	52.0	[illegible]
Moorefield	32.6	+0.7	37.0	+4.7	41.6	−2.3	52.4	−2.5	61.6	1.3	68.6	−1.0	74.8	+0.6	75.1	+1.8	70.4[b]	+3.7	57.3[b]	+1.6	...	...	31.5	+1.1		
Piedmont	30.0	+0.3	33.1	+0.1	35.0	−3.1	48.3	2.8	61.4	+1.1	66.1	3.7	72.0	+0.2	71.8	+1.4	66.0	+2.4	53.6	−0.1	39.6	0.2	30.1	2.3	50.5	0.5
Romney	29.2[a]	1.7	33.4[d]	+1.2	35.8[a]	−6.8	48.5[a]	3.1	62.7[i]	0.3	67.0	2.9	74.1[a]	−0.8	75.0[c]	+2.1	67.6[f]	+1.5	54.9[e]	−0.3	[illegible]	2.6	29.6	2.8	51.5	1.4
Upper Tract	30.2	3.1	34.0[c]	−1.8	31.2[c]	−8.7	48.8[f]	−2.2	58.4[i]	3.0	61.8	6.1	71.0[b]	−1.0	70.1[c]	0.6	63.1[g]	−2.4	53.0[c]	2.5	36.2[i]	7.1	30.2[i]	3.3	49.3	[illegible]
Wardensville	27.0[a]	...	33.4[a]	...	37.8[c]	...	46.1[i]	...	60.3[i]	...	63.2[c]	...	71.9[b]	...	72.5[a]	...	...	...	...	...	...	...	...	...	...	...
NORTHERN DIVISION																										
Bens Run	30.0	−2.1	36.1	+4.3	37.8	−5.4	48.0	−4.2	62.9	−0.3	68.4	−1.9	74.4	−0.5	75.1	+1.6	71.0	+2.7	56.4	−0.3	43.0	−0.3	34.4	+1.0	53.2	−0.4
Benson	31.6[a]	...	36.8[g]	...	36.8[a]	...	49.6[a]	...	60.7	...	65.7	...	71.7	...	73.1	...	68.8	...	54.4	...	41.0	...	34.6	...	52.1	...
Brownsville	32.4	...	37.3	...	38.9	...	48.7	...	61.9	...	66.6	...	73.7	...	74.8	...	70.4	...	56.0	...	43.6	...	35.2	...	53.3	...
Buckhannon	30.8	−0.9	35.6	+4.1	36.4	−5.2	47.2	−3.9	61.3	−0.6	64.6	−4.0	71.2	−0.8	72.2	+1.9	67.5	+3.5	53.2	−0.2	41.4	0	34.9	+2.0	51.4	0.3
Cairo	28.2	−6.7	35.4	+2.9	36.8	−8.5	47.4	−7.4	62.7	1.1	66.7	3.8	75.8	−0.1	74.8	+2.0	69.8	+1.9	55.6	−1.2	41.6	−2.2	33.4	−0.8	52.2	2.1
Clarksburg	28.0[a]	...	33.4[a]	...	35.0[a]	...	47.1	...	60.8	...	66.0	...	73.2	...	75.2	...	69.4	...	54.2	...	39.4	...	32.6	...	51.2	
Creston	30.2	3.2	36.8	+4.0	37.7	−6.5	48.4	4.6	64.8	+1.3	68.4	2.2	75.8	+1.2	75.1	+1.7	71.0	+3.8	56.8	+1.0	43.2	−0.5	35.3	1.4	53.6	0.2
Elkins	30.0	−0.4	32.8	+1.2	32.4	−7.6	44.6	−4.2	58.2	−1.0	62.6	−4.3	69.3	−1.0	70.5	+1.4	66.4	3.4	52.3	0	39.3	−1.0	32.9	+0.2	49.3	1.1
Fairmont	27.8	−4.9	32.2	0	35.0	−6.7	46.4	−5.4	62.9	[illegible]	66.1	−3.9	73.2	−1.0	74.6	+1.9	69.8	+3.2	55.2	+0.3	40.2	−2.2	32.1	1.4	51.3	−1.6
Glenville	31.4	−1.7	39.7	+7.0	39.6	−4.7	50.6	3.0	64.6	+1.1	[illegible]	−1.1	76.0	+1.1	77.8[c]	+3.9	70.2	+2.5	57.7	+1.7	42.2[i]	−1.4	37.1[c]	+2.4	51.7	+0.6
Grafton (near)	...	...	33.2[a]	+1.6	36.3[a]	−6.1	49.0[a]	−2.3	59.8[c]	−2.3	65.2	4.0	70.8	−2.0	...	...	...	...	...	...	...	...	...	...	...	...
Janelew	32.0	...	36.8	...	38.2	...	48.5	...	61.4	...	66.6	...	72.8	...	74.6	...	69.6	...	55.9	...	42.6	...	34.6	...	52.8	...
Lost Creek	28.8	−3.9	33.6	+2.6	34.9	−7.8	45.4	−4.8	59.3	−1.8	63.9	−3.9	71.0	−1.2	73.4	+2.4	70.2	+5.3	56.0	+1.2	42.6	−0.4	33.5	0.3	51.0	1.0
Mannington	28.7	−2.5	33.4	+2.4	36.0	−6.9	46.4	−1.8	59.8	−1.2	64.7	−3.1	71.3	−0.7	72.6	+1.7	67.4	+2.6	53.8	−0.7	41.0	−0.3	33.5	+1.1	50.7	1.1
Morgantown	31.8	−0.1	33.6[a]	+2.3	35.6	−6.4	47.2	−4.0	62.6	+0.1	66.4	−2.7	73.8	+0.2	74.6	+2.3	68.5	+1.3	55.4[a]	−0.1	42.6[a]	−0.8	33.0	0.5	52.1	0.7
Moundsville	...	...	34.8	+5.2	37.3	−5.8	48.2	−3.6	61.8	−1.3	67.6	−2.2	74.2	0	75.4	+2.5	69.7	+2.8	56.2	−0.2	...	...	...	...	...	...
New Cumberland	25.7	−2.5	30.2	+2.8	32.1	−7.6	41.1	−5.2	60.0	−0.7	65.2	−2.7	72.4	−0.4	74.2	+3.3	67.0	+2.1	53.3[a]	−1.2	39.5[a]	−1.8	31.0[c]	+0.2	49.6	−1.2
New Martinsville	29.6	−3.2	33.8	+1.6	36.7	−6.9	46.1	−6.6	61.3	−2.3	66.6	−1.8	71.0	−1.3	74.8	+0.7	69.8	+3.4	56.2	−0.9	42.6	−1.9	33.0	−1.8	52.1	2.0
Parkersburg	31.1	−1.4	35.6	+1.4	37.4	−5.4	48.2	5.2	63.8	0	65.5	−2.9	74.9	−0.5	76.2	+2.3	70.2	+2.9	56.0	−0.1	42.4	1.1	34.9	0.3	53.3	0.9
Parsons	29.8	−1.5	34.4	+4.7	33.4	−6.5	45.0	−3.7	60.2	+1.1	65.4	−0.7	71.4	+1.3	74.6[i]	+5.4	...	...	50.6[i]	−2.4	39.0	−1.9	33.2	+2.0	...	...
Philippi	31.2	−1.7	35.1	+3.9	...	...	...	...	61.4	−0.5	65.0	−3.4	72.0	−0.4	72.8	+1.1	68.8	+3.5	54.9	+0.4	41.6	−1.5	32.5[f]	−6.8	...	...
Pickens	27.5	−3.8	30.1	−1.5	30.4	−9.5	42.8	−5.5	56.7	−2.1	61.7[a]	−3.1	67.8	−0.8	69.1	+2.3	64.6[i]	+3.0	48.7	−3.7	35.4	−5.2	29.4	−2.7	47.0	−2.7
Smithfield	24.3	−6.3	31.2	+0.6	30.2	−11.4	...	...	...	...	60.9	−7.6	71.6	−0.5	73.9	+2.9	69.6	+5.1	57.2	+3.6	31.8	−6.3	...	...	...	...
Terra Alta	25.5	−2.3	27.4	−0.4	28.4	−10.6	41.0	−5.2	54.0	−5.0	57.9	−7.9	65.2	−3.9	67.3	+0.2	62.2	0	50.0	−1.9	36.7	−4.8	28.0	−2.0	45.3	−3.6
Valley Chapel	32.1	...	39.1	...	38.1	...	49.0	...	62.5	...	67.6	...	74.2	...	75.0	...	69.4	...	56.6	...	42.4	...	38.8	...	53.7	...
Wellsburg	27.4	−2.3	32.6	+5.1	35.8	−3.1	45.2	−3.8	59.6	−1.2	66.4	−1.2	72.0	+0.2	74.0	+3.6	66.8	+2.6	53.0	−1.1	41.2	−0.1	31.2	+0.2	50.4	0.1
Weston	31.0[b]	−2.4	36.1	+4.7	35.9	−4.9	...	...	...	...	67.8	−2.5	74.0	−0.3	75.1	+2.1	...	...	...	...	...	...	...	...	...	...
Wheeling	25.9[a]	−0.7	31.6[a]	+0.8	34.4[a]	−6.8	45.4	−6.7	61.7	−1.2	67.8	−2.7	73.8	−1.1	75.7	+2.3	69.0	+2.3	53.5	−2.1	39.0	−3.1	30.1	−1.8	50.7	−1.7
SOUTHERN DIVISION																										
Bancroft	29.7	−4.7	36.2	+2.5	36.7	−7.8	45.8	−7.7	61.4	−2.4	67.3	−3.6	75.0	+0.2	75.8[i]	+2.2	72.8	+4.5	57.7	+0.3	43.2	−1.3	36.0	+1.1	53.1	−1.4
Beckley	30.2	−3.0	35.3[a]	+2.0	33.6[d]	−9.8	46.2	−3.5	61.2	+4.0	67.0	−0.2	72.5	+1.2	...	...	...	...	...	...	...	...	35.7	+2.3	...	...
Bluefield	35.6[e]	+1.1	37.5[i]	+3.6	...	...	...	...	...	...	65.6[c]	−3.8	70.0[d]	−1.5	69.9[c]	−1.6	68.6[c]	+2.9	56.4[e]	−0.4	40.8[e]	−3.6	38.2[e]	+3.0	...	...
Charleston	32.4[a]	−6.1	41.6	+3.2	38.3	−10.4	48.8	−7.8	63.7	−2.2	68.6	−4.5	76.3	−0.2	77.1	+1.5	72.1	+2.0	58.0	−1.3	42.7	−5.5	36.6	−3.1	54.7[e]	−2.9
Gary	32.3	...	39.0[a]	...	37.4	...	50.1	...	63.2	...	68.1[a]	...	73.8	...	75.2	...	72.2	...	56.8	...	41.6	...	37.5	...	53.9	...
Hinton	33.7[b]	−0.5	42.3	+8.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	59.5	+2.9	44.6	+0.6	38.8[e]	+3.9	...	...
Huntington	30.8	−2.0	36.7	+4.1	37.4	−7.2	[illegible]	−5.4	64.4	−0.5	69.0	−3.6	75.6	+0.2	75.8	+1.0	70.6	+2.4	56.6	+0.4	40.6	−3.0	35.4	+1.0	53.5	−1.0
Lewisburg	30.2	−1.7	35.8	−3.8	36.2	−5.8	[illegible]	−2.3	60.0[d]	−0.6	65.6[f]	−1.6	71.2	+0.2	72.6	+2.7	68.2	+4.1	53.8	+0.2	39.2	−2.3	33.8	+1.6	51.2	−0.1
Marlinton	24.3	−3.9	30.2	+1.2	29.9	−8.7	41.6	−5.5	56.4	−1.6	60.3	−4.5	66.0	−2.6	67.4	+0.2	63.0	+1.6	49.1	−1.2	34.0	−3.8	29.0	−0.1	45.9	−2.4
Point Pleasant	32.2	−1.4	37.6	+4.0	39.7	−5.7	[illegible]	−5.1	64.8	−0.4	69.0	−3.4	76.9	+0.5	79.0	+4.4	73.5	+4.3	57.3	−0.3	46.0[f]	+1.0	37.1	+1.9	55.2	0
Ravenswood (Dam 22)	31.4	...	38.8	...	37.3	...	47.4	...	61.1	...	66.3	...	73.6	...	76.0	...	71.4	...	57.8	...	43.7	...	36.2	...	53.4	...
Robertsburg	27.4	−6.0	34.8	+1.9	35.6	9.0	[illegible]	−6.3	62.6	−1.3	67.6	−3.7	74.8	−0.6	76.0	+1.6	70.0	+1.9	56.0	−1.4	40.4	−2.8	33.3	−0.7	52.1	−2.2
Ryan	28.1	−5.2	36.2	+3.6	35.4	[illegible]	[illegible]	−6.0	60.0	−2.2	65.0	−4.1	73.2	−0.1	74.0	+0.9	70.0	+3.7	54.2	−0.6	39.4	−3.5	33.0	−0.9	51.2	−2.0
Spencer	30.2	−3.4	35.8	+2.0	36.0	[illegible]	[illegible]	−6.3	61.7	−1.9	65.6	−4.3	72.8	−0.8	71.8	+2.1	70.3	+4.4	55.6	+0.4	44.8	+1.4	37.2	+2.7	52.6	−0.8
Sutton	30.9	−2.7	36.6	+2.1	36.6	9.0	[illegible]	−6.6	60.0	5.3	...	...	69.8	−6.5	72.7	−3.1	66.8	−3.3	54.8[i]	−3.1	42.3	−1.5	35.8	+2.2	...	...
Union	30.2[e]	−2.4	35.8[d]	+2.7	37.3[d]	−5.8	[illegible]	−0.8	61.6[c]	+0.8	66.2[i]	−0.8	72.6[d]	+1.6	74.0[e]	+3.4	69.9[d]	+4.8	56.4[e]	+2.3	41.4[d]	+0.1	36.1	+4.2	52.6	+0.9
White Sulphur Springs	29.4[a]	−2.5	35.5[a]	+0.9	36.4[a]	−8.2	[illegible]	−2.6	62.0	−1.6	66.2[a]	−1.8	72.9[a]	+2.0	73.9[a]	+2.4	68.8	+4.4	54.6	+1.9	38.6[a]	−4.2	33.0[a]	−0.4	51.7	−0.8
Williamson	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	38.2	+1.3	...	...

Reference letters indicate number of days missing: [a] one day, [b] two days, etc.

THE WEATHER BY MONTHS

Continued from page 49

he rainfall was much below the normal, but the snowfall averaged somewhat above the normal, owing to the cold weather. At the close of the month farm work, meadows nd pastures were from two to three weeks late. Fruit bloom was kept back until into ay.

May.—May was exceptionally dry and somewhat cool. The temperature was below e normal the greater part of the month. Frosts occurred in many sections on the 4th, h, 11th, 24th and 28th. The rainfall averaged only 2.50 inches. In sections of the xtreme western counties and Mineral County the rainfall was the lightest of May State ecord. Dry, cool weather retarded farm work. Fruit conditions were excellent. Hail aused considerable damage in Cabell County.

June.—June was also exceptionally cool and dry. The June State temperature verage was lower in only three years of record. The month was nearly continuously d. Light hail fell in many localities on six or seven days. Crops were nearly two eeks late at the close of the month. Small fruits were plentiful and the outlook was nerally good for fruit.

July.—Considering temperature and rainfall, July was a typical month. The onth was characterized by heavy hail, high winds and excessive rainfall in portions the northern counties. On July 18 a destructive hail storm occurred in the northern rtion of Preston County, and on July 23 a destructive hail storm formed about two les northwest of Romney. The damage from hail in the two storms was estimated $275,000.

August.—August was considerably wetter and warmer than usual. The average rainfall, 6.94 inches, was the greatest of August record, except in 1898, when the State average was 7.51 inches. Rain fell daily in nearly all localities from the 13th to the 21st. Crops were damaged by the heavy rains and grains in the shock began to sprout. The conditions were droughty until the 13th.

September.—September was warm and wet. From the 14th to the 25th the temperature was continuously and considerably above the normal. For the State, there was only one wetter September. Corn was much damaged in the shock and much corn was washed away or damaged on low bottoms by high water in the rivers and smaller streams. Meadows and pastures were improved by the wet weather.

October.—The October precipitation was nearly twice the normal, making the fourth consecutive wet month. The first general snow fell on the 25th. The first killing frost occurred during the last decade, a week or ten days later than usual. Owing to frequent rains much grain was damaged in the shock. An abundant crop of apples was secured. Pastures were good until the close of the month.

November.—November was characterized by long periods of moderately cold weather. In most of the agricultural districts the first killing frost occurred during the first four days. The precipitation was unfavorably distributed over the State and throughout the month, nearly one-half of the monthly amounts being received on the 15-16th. Farm work was much delayed.

December.—There were frequent rains and snows during December. As an average, there were but six clear days during the month. There was but one cold period, and a temperature below zero was recorded at but eight stations. The snowfall was unimportant. Freezing and thawing weather without snow-cover was unfavorable for winter grains.

Monthly and Annual Precipitation for the Year 1926, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
PANHANDLE DIVISION																										
Bayard	4.83	-0.37	8.88	+5.49	4.91	+0.53	3.73	-0.12	4.29	+0.07	9.18	+4.28	5.76	+0.82	15.36	+10.75	8.73	+5.31	8.74	+5.32	5.17	+2.71	9.43	+5.53	89.01	+40.32
Brandywine	2.40	-0.05	2.60	+0.87	1.10	-1.78	2.35	-0.29	2.30	-0.66	3.20	-0.06	5.05	+1.42	5.10	+2.22	2.10	-0.53	2.85	+1.02	2.70	+1.00	3.05	+1.21	34.80	+ 4.37
Burlington	.....	.....	.....	.....	.....	.....	0.80	-2.03	0.70	.....	1.95	-2.02	2.80	-0.89	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Harpers Ferry	2.13	-0.58	3.36	+0.93	1.23	-1.83	1.34	-1.65	1.63	-2.24	3.07	-1.63	4.18	+0.69	7.19	+4.16	3.69	+0.80	2.97	+0.28	4.68	+2.46	2.29	-0.26	37.76	+ 1.13
Inwood	.....	.....	.....	.....	.....	.....	.....	.....	1.53	.....	2.53	.....	1.78	.....	7.90	.....	4.40	.....	3.15	.....	2.93	.....	.....	.....	.....	.....
Martinsburg	2.21	-0.38	4.72	+2.29	1.55	-1.75	1.46	-1.58	1.83	-2.17	2.67	-1.62	3.78	-0.04	6.89	+3.08	5.78	+2.91	3.44	+0.88	5.22	+2.96	3.03	+0.30	42.58	+ 4.88
Moorefield	1.78	-0.77	2.89	+0.52	1.99	-0.68	2.89	-0.10	2.01	-1.54	2.95	-1.21	4.53	+1.14	5.10	+1.86	3.69	+1.13	3.46	+1.23	2.06	+0.45	2.88	+0.62	36.23	+ 2.65
Piedmont	1.81	-0.89	3.38	+0.72	1.09	-2.21	1.07	-1.99	0.07	-3.43	2.31	-1.25	5.18	+1.36	6.63	+3.04	4.28	+1.92	2.79	-0.01	3.10	+1.09	2.86	+0.36	34.57	- 1.29
Romney	2.98	+0.25	.....	.....	.....	.....	.....	.....	1.28	-2.35	2.26	-1.86	3.00	-0.54	8.90	+4.94	4.66	+2.00	2.60	+0.10	3.92	+1.95	2.45	-0.03	.....	.....
Stony River Dam	3.57	.....	3.53	.....	3.54	.....	2.01	.....	1.86	.....	3.38	.....	3.80	.....	9.58	.....	4.01	.....	4.78	.....	3.25	.....	3.35	.....	46.66	.....
Upper Tract	2.38	-0.17	1.78	-0.09	0.35	-2.19	1.18	-1.29	0.70	-2.48	1.30	-2.89	1.55	-2.25	2.95	-0.80	3.45	+1.13	1.10	-1.10	.....	.....	.....	.....	.....	.....
Wardensville	2.46	.....	3.65	.....	1.03	.....	2.37	.....	0.69	.....	2.36	.....	4.21	.....	7.16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
NORTHERN DIVISION																										
Aberdeen	3.88	.....	3.90	.....	3.40	.....	2.30	.....	2.98	.....	5.87	.....	3.76	.....	6.33	.....	6.48	.....	4.90	.....	3.58	.....	5.59	.....	52.97	.....
Bens Run	3.50	-0.91	4.19	+1.00	2.76	-1.38	1.51	-2.57	1.20	-3.33	3.67	-0.85	6.62	+2.07	7.03	+2.79	5.57	+3.22	4.66	+1.55	3.33	+0.78	4.18	+0.42	48.22	+ 2.79
Benson	3.02	.....	4.78	.....	3.26	.....	2.17	.....	2.98	.....	4.76	.....	5.85	.....	7.64	.....	7.18	.....	5.37	.....	4.02	.....	4.63	.....	55.66	.....
Brownsville	3.42	.....	3.55	.....	3.02	.....	2.21	.....	2.89	.....	6.60	.....	4.45	.....	6.76	.....	5.72	.....	4.90	.....	4.76	.....	5.37	.....	53.65	.....
Bruceton Mills	4.94	-0.32	7.20	+3.84	4.19	+0.78	1.63	-2.07	1.28	-3.13	4.91	+0.33	4.99	-0.31	7.00	+2.35	9.34	+5.82	3.87	+0.09	2.23	-0.42	7.52	+3.92	59.10	+10.88
Buckhannon	4.77	+0.26	4.13	+0.26	3.46	-1.06	4.02	-0.24	3.14	-1.46	4.74	-0.15	4.55	+0.21	6.54	+2.44	6.33	+3.20	5.43	+1.97	3.79	+0.33	6.36	+2.35	57.26	+ 8.11
Cairo	3.77	-0.78	4.82	+1.34	2.62	-1.53	2.09	-1.59	1.72	-1.80	6.93	+2.12	6.85	+2.22	7.23	+3.61	6.70	+4.09	4.04	+0.96	3.95	+1.28	4.19	+0.43	54.91	+10.35
Clarksburg	3.00	.....	4.26	.....	2.56	.....	2.31	.....	2.06	.....	3.44	.....	3.68	.....	7.99	.....	8.46	.....	5.49	.....	3.88	.....	4.46	.....	51.59	.....
Cortland	6.51	+1.70	5.51	+1.62	3.91	-0.24	4.95	+1.43	3.42	-1.07	4.60	-0.18	5.30	-0.70	.....	.....	5.33	+1.85	5.33	+1.97	3.15	+0.85	4.10	+0.59	.....	.....
Crawford	4.83	.....	4.07	.....	2.96	.....	3.00	.....	3.23	.....	6.92	.....	4.70	.....	6.69	.....	7.02	.....	4.89	.....	4.21	.....	6.19	.....	58.21	.....
Creston	4.18	+0.33	4.64	+1.75	2.80	-1.22	4.19	+0.18	2.55	-1.36	4.12	-0.15	4.67	+0.65	7.27	+3.82	4.07	+1.49	5.31	+2.30	4.03	+1.53	5.16	+1.83	52.99	+11.15
Dam 10, Mon. R	2.94	.....	4.95	.....	2.50	.....	1.67	.....	1.29	.....	4.61	.....	3.26	.....	5.46	.....	7.69	.....	4.51	.....	3.39	.....	3.94	.....	46.21	.....
Dam 12, O. R	2.01	-1.13	3.31	+1.08	1.41	-1.88	1.88	-1.14	1.92	-1.40	2.40	-1.29	2.67	-0.75	4.48	-0.29	8.44	+4.70	4.09	+0.98	3.39	+0.60	3.49	+0.52	39.49	0
Dam 13, O. R	2.54	-0.74	4.35	+2.03	1.87	-1.14	2.10	-0.91	1.92	-1.69	4.02	+0.52	4.83	+0.98	6.56	+2.03	8.71	+4.85	4.53	+1.61	2.33	-0.43	3.36	+0.06	47.12	+ 7.17
Dam 15, Mon. R	2.78	.....	5.52	.....	2.87	.....	1.83	.....	2.00	.....	3.76	.....	2.29	.....	5.67	.....	6.49	.....	4.77	.....	4.03	.....	4.43	.....	46.44	.....
Davis	5.46	-0.36	4.81	+0.63	4.79	+0.48	4.34	+0.37	2.93	-1.22	5.04	+0.12	6.20	+0.64	10.50	+5.52	5.93	+2.16	6.17	+2.02	3.60	+0.63	6.87	+2.03	66.64	+13.02
Elizabeth	3.41	-1.21	4.76	+2.10	2.31	-1.77	2.78	-0.84	1.78	-1.91	4.53	-0.71	5.32	+1.03	7.76	+3.39	5.68	+2.99	5.47	+1.72	2.90	+0.43	4.23	+0.92	50.93	+ 6.14
Elkins	4.20	+0.86	3.98	+0.81	3.58	-0.49	3.90	+0.61	3.04	-0.94	3.86	-1.18	4.57	-0.07	6.57	+2.92	5.00	+2.13	4.15	+1.73	2.04	-0.82	5.56	+2.14	50.45	+ 7.70
Evenwood	4.61	.....	4.10	.....	2.95	.....	4.49	.....	3.58	.....	4.94	.....	5.92	.....	11.27	.....	6.79	.....	6.25	.....	4.07	.....	7.22	.....	66.19	.....
Fairmont	3.06	-0.92	6.09	+3.03	2.96	-1.02	1.98	-1.50	2.21	-1.75	3.61	-0.84	3.07	-1.53	5.74	+2.03	5.93	+3.09	4.83	+2.20	4.37	+1.50	4.50	+1.11	48.35	+ 5.40
Glenville	3.80	-0.55	4.95	+1.22	3.62	-0.62	3.05	-0.69	3.73	-0.48	4.60	+0.13	5.22	-0.07	4.46	+0.55	6.43	+3.16	4.65	+1.60	5.81	+2.38	5.80	+2.11	56.12	+ 8.74
Grafton	.....	.....	2.91	-0.39	3.53	-0.42	2.76	-1.01	2.18	-2.10	3.27	-1.26	3.00	-1.99	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Horner	4.56	.....	4.64	.....	2.97	.....	3.03	.....	3.86	.....	5.63	.....	.....	.....	7.03	.....	5.59	.....	5.63	.....	4.11	.....	6.03	.....	.....	.....
Horton	5.58	.....	3.56	.....	2.79	.....	2.30	.....	3.53	.....	2.64	.....	4.95	.....	8.98	.....	4.39	.....	4.13	.....	3.90	.....	4.46	.....	51.21	.....
Janelew	3.42	.....	3.64	.....	3.26	.....	2.74	.....	2.69	.....	5.85	.....	4.63	.....	8.58	.....	6.18	.....	5.21	.....	4.35	.....	4.93	.....	55.48	.....
Lost Creek	3.18	-0.88	3.72	+0.66	3.04	-1.05	2.26	-1.10	2.83	-1.46	4.26	+0.07	4.13	-0.65	7.31	+3.29	6.34	+3.56	5.94	+3.21	4.42	+1.92	5.13	+1.64	52.56	+ 9.21
Mannington	3.23	-1.38	4.81	+2.02	3.55	-0.20	1.44	-2.53	2.60	-1.45	4.19	-0.03	3.91	-1.06	5.97	+2.05	9.16	+5.99	4.85	+1.91	3.81	+1.31	4.77	+1.25	52.29	+ 7.88
Morgantown	2.88	-0.99	4.59	+1.48	2.76	-0.95	1.20	-2.15	0.99	-2.63	4.46	-0.08	3.91	-1.16	4.75	+0.55	7.54	+4.48	4.58	+1.43	3.73	+0.85	3.81	+0.76	45.20	+ 1.59
Moundsville	.....	.....	3.61	+1.33	2.01	-1.31	1.27	-1.85	1.71	-1.59	5.38	+2.35	2.94	-1.53	4.92	+1.33	9.27	+6.76	5.26	+2.15	.....	.....	.....	.....	.....	.....
New Cumberland	1.88	-0.88	3.69	+1.32	1.30	-2.06	2.14	-1.22	1.21	-2.09	3.04	-1.63	2.35	-1.94	6.78	+3.30	10.57	+8.04	3.75	+0.76	3.37	+1.52	2.43	-0.20	42.51	+ 4.92
New Martinsville	3.55	-0.21	4.90	+1.92	1.95	-1.70	1.65	-1.94	1.32	-2.42	3.15	-0.92	6.08	+1.18	5.32	+1.82	6.05	+3.40	5.75	+2.87	3.60	+0.96	4.10	+0.54	47.42	+ 5.50
Parkersburg	3.71	+0.52	3.60	+0.36	2.49	-1.33	1.76	-1.15	1.41	-2.05	4.85	+0.20	7.38	+2.72	5.75	+2.22	5.41	+2.69	4.18	+1.74	2.46	-0.37	2.97	+0.20	45.97	+ 5.75
Parsons	4.25	-0.52	4.16	+0.74	4.96	+0.90	3.89	+0.04	2.19	-1.71	3.25	-1.99	6.91	+1.79	11.15	+7.36	.....	.....	6.90	.....	.....	.....	7.56	+3.77	.....	.....
Parsons (No. 2)	3.68	.....	3.49	.....	2.94	.....	3.56	.....	2.31	.....	4.78	.....	6.21	.....	8.76	.....	7.50	.....	5.66	.....	2.13	.....	6.05	.....	57.07	.....
Philippi	3.57	-0.76	3.17	-0.20	.....	.....	.....	.....	3.32	-0.96	4.83	+0.31	4.47	+0.51	8.56	+4.51	6.70	+3.04	5.76	+2.88	4.33	+1.64	6.33	+2.50	.....	.....
Pickens	7.74	+1.07	7.26	+2.19	9.82	+4.04	5.54	+0.50	3.57	-1.76	4.14	-1.97	6.12	-0.25	8.73	+3.62	10.26	+6.33	6.90	+2.83	3.76	-0.09	10.57	+5.37	84.41	+21.88
Roanoke	3.97	.....	4.32	.....	2.81	.....	1.96	.....	3.21	.....	6.07	.....	4.22	.....	5.13	.....	6.87	.....	5.25	.....	4.47	.....	6.05	.....	54.33	.....
Rowlesburg	4.25	-0.25	5.73	+2.32	4.76	+0.46	3.87	-0.14	1.72	-2.64	4.64	-0.38	5.28	+0.26	12.59	+8.72	6.63	+3.56	5.99	+2.96	1.96	-1.12	6.86	+2.99	64.28	+16.74
St. Marys	3.84	-0.72	5.30	+2.10	2.42	-1.20	1.95	-1.95	1.36	-2.50	4.74	-0.03	7.16	+3.05	8.21	+3.45	4.50	-2.00	3.94	+0.54	3.71	+1.23	4.09	+0.59	51.22	+ 2.56
Smithfield	2.10	-2.73	1.89	-1.73	1.43	-2.54	0.86	-3.04	1.08	-3.10	1.02	-3.57	0.96	-4.43	4.70	+0.24	4.80	+1.61	3.64	+0.21	3.75	+0.78	3.02	-1.06	29.25	-19.36
Terra Alta	4.36	-0.94	5.15	+1.38	4.22	-0.60	2.70	-1.32	1.33	-3.66	4.30	-2.68	6.40	+0.84	7.98	+2.99	6.62	+2.99	4.65	+1.03	2.54	-0.54	6.49	+1.33	56.74	+ 0.82
Valley Chapel	3.40	.....	3.81	.....	3.28	.....	2.16	.....	2.27	.....	4.35	.....	6.07	.....	6.77	.....	6.60	.....	5.50	.....	4.43	.....	4.68	.....	53.32	.....
Vandalia	3.21	.....	2.20	.....	3.45	.....	2.21	.....	2.76	.....	4.26	.....	5.91	.....	5.27	.....	5.72	.....	4.47	.....	3.20	.....	1.65	.....	44.31	.....
Wellsburg	2.51	-0.93	2.63	-0.05	1.74	-1.48	1.89	-1.22	2.04	-1.44	2.45	-2.04	2.47	-2.12	5.53	+1.69	9.33	+6.53	4.06	+1.11	4.62	+2.47	2.02	-1.05	41.29	+ 1.47
West Milford	3.72	.....	4.26	.....	3.41	.....	2.52	.....	2.36	.....	4.69	.....	4.11	.....	7.97	.....	6.01	.....	5.56	.....	4.68	.....	5.74	.....	55.03	.....
Weston	2.12	-2.05	4.95	+1.21	.....	.....	.....	.....	.....	.....	6.18	+1.63	5.78	+0.81	6.25	+2.32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wheeling	2.12	-1.03	4.02	+1.49	1.10	-1.96	1.77	-1.36	2.64	-0.82	2.37	-1.44	2.39	-2.21	5.92	+2.25	10.07	+7.57	4.30	+1.69	3.02	+0.51	3.27	+0.26	42.99	+ 4.95
Woodlands	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8.66	.....	5.05	.....	3.06	.....	3.44	.....	.....	.....
SOUTHERN DIVISION																										
Arbovale	3.97	.....	3.66	.....	2.77	.....	2.48	.....	2.84	.....	2.39	.....	6.49	.....	6.85	.....	3.00	.....	4.23	.....	3.24	.....	4.96	.....	46.88	.....
Bancroft	3.92	-0.48	3.85	+0.94	2.98	-0.96	2.77	-1.06	2.73	-1.41	3.75	-0.88	4.93	+0.89	4.51	+0.09	4.98	+2.19	5.47	+2.29	3.27	+0.87	5.12	+1.77	48.28	+ 4.25
Beckley	5.00	+1.08	1.93	-1.13	.....	.....	0.81	-3.13	.....	.....	3.26	-1.17	3.94	-0.29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bluefield	2.70	-0.52	4.58	+1.53	3.06	-0.60	2.08	-1.36	2.09	-1.55	2.72	-2.06	3.36	-1.11	4.18	-0.24	1.44	-1.22	1.04	-1.84	1.59	-0.69	4.41	+1.50	33.25	- 8.16
Camden-on-Gauley	3.40	.....	1.20	.....	1.80	.....	0.80	.....	2.84	.....	3.44	.....	4.60	.....	7.60	.....	4.04	.....	2.50	.....	2.84	.....	1.90	.....	36.96	.....
Charleston	4.32	+0.67	3.35	-0.22	2.64	-1.78	2.48	-1.21	3.01	-1.06	3.06	-1.47	5.36	+1.14	6.51	+2.00	2.78	-0.35	5.44	+2.67	4.41	+1.34	5.92	+2.39	49.28	+ 4.12
Clay	4.88	.....	4.45	.....	2.92	.....	3.37	.....	3.20	.....	3.87	.....	3.60	.....	6.30	.....	3.32	.....	4.38	.....	5.27	.....	6.68	.....	52.24	.....
Dam 6 G. K	3.11	.....	3.18	.....	2.11	.....	1.86	.....	2.62	.....	2.94	.....	6.27	.....	5.65	.....	2.70	.....	3.86	.....	3.46	.....	5.37	.....	43.13	.....
Dam 19 O. R	2.95	-0.85	4.62	+2.05	2.32	-1.68	2.48	-1.09	2.35	-1.98	6.04	+2.11	8.07	+3.72	6.97	+2.88	7.29	+3.53	6.45	+2.98	3.01	-0.35	3.48	+0.06	56.03	+11.38
Dam 20 O. R	3.30	.....	4.89	.....	2.91	.....	2.52	.....	2.23	.....	4.00	.....	2.89	-0.90	9.52	+4.91	4.30	+0.98	4.76	+1.17	2.97	-0.12	3.69	+0.15	47.98	.....
Dam 26 O. R	3.03	.....	3.84	.....	2.11	.....	3.26	.....	1.61	.....	2.68	.....	2.78	.....	3.89	.....	2.85	.....	5.24	.....	2.39	.....	4.29	.....	37.97	.....
Gary	3.66	.....	3.61	.....	2.48	.....	2.01	.....	3.49	.....	3.27	-1.82	3.25	-1.03	5.30	+0.63	2.48	-0.97	4.38	+0.71	4.08	+0.41	8.51	+4.67	46.52	.....
Hinton	4.20	+0.99	2.90	-0.15	2.62	-1.43	2.07	-1.21	1.57	-2.20	1.62	-2.61	4.45	+0.50	7.87	+4.01	1.72	-1.04	5.89	+3.33	3.87	+1.67	7.31	+4.51	46.09	+ 6.3
Huntington	4.08	+1.18	4.33	+1.20	2.64	-1.69	2.34	-1.27	2.84	-1.17	2.76	-1.48	5.10	+0.89	4.58	+0.74	2.14	-0.58	5.32	+2.94	2.53	-0.26	5.14	+1.50	43.80	+ 1.0
Kanawha Falls	4.05	.....	3.57	.....	2.06	.....	1.47	.....	2.86	.....	3.51	.....	2.50	.....	8.53	.....	3.83	.....	4.52	.....	4.86	.....	5.32	.....	47.08	.....
Kayford	5.80	.....	4.89	.....	3.13	.....	2.14	.....	3.80	.....	5.17	.....	4.15	.....	6.91	.....	3.89	.....	6.09	.....	4.77	.....	7.52	.....	58.56	.....
Kermit	5.40	.....	3.08	.....	2.92	.....	2.21	.....	3.00	.....	1.47	.....	5.20	.....	8.14	.....	3.52	.....	2.76	.....	4.03	.....	5.72	.....	47.45	.....
Lewisburg	3.98	+0.45	2.77	-0.19	2.48	-1.48	2.18	-1.26	1.85	-1.79	1.27	-2.97	3.13	-0.95	6.61	+3.05	2.09	-0.74	7.46	+4.61	2.10	-0.36	6.26	+3.42	42.18	+ 1.7
Logan	5.16	+0.38	4.03	+0.13	3.20	-2.05	2.13	-2.67	4.55	+0.39	2.31	-3.10	3.75	-2.15	9.68	+6.03	2.89	-0.10	3.56	+0.81	4.49	+1.62	7.33	+2.75	53.08	+ 2.0
Marlinton	4.93	+0.86	3.94	+0.55	4.27	-0.09	3.08	-0.26	4.57	+0.56	3.10	-1.86	7.03	+1.70	10.56	+5.93	3.00	-0.11	5.44	+2.45	3.60	+0.86	7.40	+3.74	60.92	+14.3
Organ Cave	3.17	.....	1.84	.....	1.66	.....	1.83	.....	1.62	.....	1.02	.....	0.83	.....	6.01	.....	1.88	.....	6.27	.....	1.86	.....	6.11	.....	34.10	.....
Point Pleasant	3.01	-0.87	5.18	+1.76	2.52	-1.63	3.93	+0.65	3.03	-0.92	3.41	-0.89	5.00	+0.99	6.13	+2.87	2.25	-0.27	5.14	+2.55	2.85	+0.05	4.86	-1.43	47.31	+ 5.
Ravenswood	3.18	.....	3.87	.....	2.45	.....	2.92	.....	4.21	.....	4.66	.....	3.51	.....	3.77	.....	3.26	.....	5.08	.....	2.66	.....	3.77	.....	43.40	.....
Robertsburg	3.59	-0.41	3.58	+0.56	2.11	-1.97	3.39	-0.35	2.56	-1.04	2.09	-1.96	4.67	+0.93	4.89	+1.64	3.25	+0.94	4.26	+1.48	2.78	+0.41	4.50	+1.04	41.67	+ 1.2
Ryan	3.88	-0.34	4.26	+0.89	3.38	-0.94	3.13	-0.72	3.12	-0.58	3.76	-0.71	6.20	+1.64	8.57	+4.71	4.04	+1.25	3.63	+0.18	3.94	+1.46	5.53	+2.08	53.44	+ 8.9
Sharples	3.80	.....	3.86	.....	3.06	.....	2.33	.....	3.17	.....	4.66	.....	5.92	.....	10.23	.....	4.02	.....	5.83	.....	4.27	.....	4.96	.....	56.11	.....
Sissonville	3.51	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.57	.....	.....	.....	6.48	.....	.....	.....	4.17	.....	.....	.....	5.53	.....	.....	.....
Spencer	3.73	-0.67	4.79	+1.75	2.96	-0.98	2.86	-0.77	3.79	+0.09	3.27	-1.08	3.31	-0.98	3.98	+0.42	3.01	+0.07	4.78	+1.57	3.30	-0.18	3.65	+0.28	43.43	- 0.
Sutton	5.17	-0.15	4.78	+1.48	1.38	+0.35	4.03	-0.16	3.99	-0.50	4.75	-0.28	6.33	+1.16	9.36	+5.62	5.93	+2.77	5.00	+1.91	6.67	+2.71	7.51	+3.57	67.90	+18.4
Union	4.61	+1.00	3.13	+0.42	4.08	+0.34	1.86	-1.03	2.08	-0.68	1.03	-3.29	2.79	-1.83	5.88	+2.03	2.21	-0.39	5.61	+2.77	2.70	+0.71	7.08	+4.56	43.06	+ 4.
Wayne	4.10	.....	4.36	.....	2.80	.....	1.60	.....	2.57	.....	4.59	.....	4.68	.....	4.34	.....	5.23	.....	7.02	.....	3.15	.....	6.42	.....	50.86	.....
White Sulphur Springs	5.52	+2.94	1.18	-2.74	2.47	-2.65	1.67	-1.41	2.86	-1.01	0.90	-3.66	3.26	-1.79	5.01	+1.35	1.71	-1.42	6.59	+3.77	2.36	-0.05	5.45	+1.29	39.28	- 5.
Williamson	.....	.....	1.62	-1.53	2.16	-2.14	2.31	-1.58	4.36	+0.55	4.19	-0.44	4.72	+0.46	.....	.....	.....	.....	.....	.....	.....	.....	5.61	+1.77	.....	.....

(WBO, Cleveland, 3-2-27—890)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

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WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

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GENERAL SUMMARY

January averaged slightly warmer than usual but the precipitation was practically normal. The month was generally cloudy. There were three well-marked periods of moderately cold weather and four periods that were moderately warm. The precipitation was well distributed throughout the month, but the distribution over the State was somewhat unfavorable. There was practically no snow-cover in the agricultural districts, the conditions being rather unfavorable for winter grains.

RIVERS

The greatest flood since 1913 passed through this district from January 22 to January 28, caused by moderately heavy rains and melted snows over the upper portions of the Ohio Valley. The following crest stages, in feet and tenths, were noted: Wheeling, 41.7; Saint Marys, 41.7; Marietta, 44.0; Dam 18, 44.6; Parkersburg, 45.5; Dam 19, 46.4; Dam 20, 46.7; Dam 22 (Ravenswood), 50.1; Point Pleasant, 50.0.

TEMPERATURE

The monthly mean for the State, determined from 51 stations, was 32.5°. The departure from the normal for 43 stations having ten or more years of record was +0.4°. The month opened cold and the temperature was also below the normal from the 6th to the 12th, 14th to the 17th, and the 25th to the 27th, the coldest weather occurring on the morning of the 16th. The temperature was considerably above the normal from the 18th to the 23d and the 28th to the 31st, the highest readings being noted on the 21st and 22d.

PRECIPITATION

The average precipitation for the State, determined from 86 stations, was 4.08 inches. The departure from the normal for 59 stations having ten or more years of record was +0.03 inch. Most of the precipitation was measured on the 3d-5th, 9-11th, 14-15th, 18-24th, and 28-29th, the greatest amounts being noted on the 14th and 19th-23d. Light to moderate snow fell on the 1st, 3d, 5th, 9-10th. The precipitation was heaviest over the northern and central counties and lightest over the eastern counties. Over the southern counties the precipitation was also light.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 18th and 21st; Bens Run, 20th and 21st; Bruceton Mills 14th; Elkins, 20th; Marlinton, 20th, 21st, 22d, and 25th; Parkersburg, 25th; Pickens, 24th.

Halos, lunar: Elkins, 13th and 17th; Parkersburg, 12th and 17th; Philippi, 17th; Piedmont, 12th; Ryan, 18th

Halo, solar: Elkins, 16th.

Sleet: Arbovale, 18th; Bayard, 4th and 14th; Bens Run, 18th; Brownsville, 18th; Davis, 23d and 24th; Glenville, 18th; Marlinton, 14th, 18th, and 29th; Martinsburg, 4th, 14th, and 19th; Philippi, 14th; Piedmont, 14th; Ryan, 18th.

Thunderstorm: Bens Run, 22d.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine *		Wind				
		8 a.m.	local noon	8 p.m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.23	85	74	78	112.4	37	6,385	8.6	29	nw.	5
Columbus, Ohio	30.20	84	77	81	83.5	28	8,599	11.6	36	nw	5
Elkins	30.22	89	73	81	65.6	22	4,544	6.1	27	w.	30
Lexington, Ky	30.24	87	78	....	85.4	28	10,334	13.9	38	sw.	19
Parkersburg	30.23	79	68	74	48.5	16	4,919	6.6	24	nw.	5
Pittsburgh, Pa	30.20	84	78	79	67.3	23	9,136	12.3	40	nw.	5
Wytheville, Va	30.21	82	67	74	121.0	39	5,675	7.6	29	sw.	2

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	31.7	.....	.....	3.64	.....	.....	.....	.....	.....	.....	.....
1892	29.4	76	− 3	3.15	.....	.....	.....	11	.....	.....	.....
1893	22.6	71	−25	2.49	.....	.....	.....	12	7	7	17
1894	36.6	70	− 8	2.41	4.23	0.83	.....	9	12	8	11
1895	25.0	69	−21	4.48	6.53	2.37	.....	13	6	9	16
1896	32.4	72	− 6	1.57	2.72	0.67	1.8	15	9	14	8
1897	28.8	69	−18	1.70	2.85	0.90	4.0	9	10	7	14
1898	37.1	75	− 5	5.10	8.04	2.24	5.0	12	6	9	16
1899	32.1	70	−21	4.05	7.01	2.05	7.5	11	10	7	11
1900	34.5	74	−10	2.24	3.60	0.82	1.9	10	9	8	14
1901	33.6	69	− 4	2.41	3.87	1.18	7.3	10	8	7	16
1902	30.2	64	− 1	3.65	8.52	1.45	9.8	9	9	7	15
1903	31.8	79	− 7	3.21	6.45	1.55	8.6	11	8	7	16
1904	27.5	72	−18	2.72	5.82	1.24	10.8	11	9	8	14
1905	26.4	70	−14	3.15	7.43	1.48	22.0	13	7	7	17
1906	38.2	80	− 5	3.79	8.70	1.36	5.1	9	11	7	13
1907	38.7	76	−15	6.41	11.54	2.35	5.6	14	6	7	18
1908	31.0	62	−16	2.92	8.19	0.50	12.8	11	12	7	12
1909	36.8	76	− 5	3.41	6.59	1.50	8.7	12	8	6	17
1910	32.0	67	− 5	5.68	10.10	2.52	15.4	11	6	6	19
1911	37.3	71	− 5	5.86	12.63	3.11	7.0	14	8	6	17
1912	23.5	66	−34	2.60	6.93	1.10	13.6	10	7	8	16
1913	40.7	74	9	6.23	10.53	1.84	5.7	13	9	6	16
1914	35.8	83	−11	3.18	5.65	1.55	15.6	10	7	6	18
1915	31.7	68	− 8	4.85	11.38	2.00	10.4	13	8	6	17
1916	38.8	79	−10	4.86	8.52	1.70	6.1	13	11	7	13
1917	33.2	77	− 9	4.66	7.67	1.72	8.3	12	11	6	14
1918	20.7	55	−27	4.24	9.22	2.00	21.5	14	8	5	18
1919	34.1	69	−16	3.79	6.66	1.60	6.9	8	16	4	11
1920	28.7	77	−11	4.12	7.26	0.40	3.9	11	8	6	17
1921	35.5	71	− 2	2.76	5.94	0.10	4.3	9	11	6	14
1922	30.2	68	−15	2.75	4.81	1.01	10.8	11	12	6	13
1923	35.2	68	− 1	4.46	7.60	1.13	4.4	14	7	5	19
1924	30.1	70	−15	4.62	7.14	0.62	1.8	10	13	5	13
1925	31.1	65	−27	3.81	7.07	1.32	15.8	13	11	4	16
1926	29.7	66	−23	3.71	7.74	1.78	13.3	11	8	5	18
1927	32.5	74	−14	4.08	9.58	0.10	5.9	14	6	5	20
1891-1927	32.0	83	−34	3.75	12.63	0.10	8.8	11	9	7	15

Climatological Data for January, 1927

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	26	29.2	+1.2	64	30	-4	8†	41	7.77	+2.57	1.19	17.5	19	10	5	16	sw.	U. G. Clark
Brandywine	Pendleton	1,586	11	30.5	0	65	22	0	12†	30	0.95	-1.50	0.25	1.0	6	9	3	19	n.	Elmer Keister
Burlington[f]	Mineral	875	33	34.9	+4.1	71	23	1	17	32	......	......	......	3.0	......	5	16	4	......	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	38	......	......	......	......	......	......	......	0.60	-2.11	0.32	0.5	6	......	......	......	......	J. C. Newcomer
Martinsburg	Berkeley	435	35	31.1[a]	+0.6	72[a]	22	5	27†	46[a]	1.65	-0.94	0.37	2.2	14	13	14	4	ne.	Dr. H. S. Gardner
Moorefield	Hardy	900	31	34.1	+2.2	74	22	1	12	37	0.95	-1.60	0.18	2.5	9	22	6	3	......	M. S. Henkel
Piedmont	Mineral	1,053	14	30.8	+1.1	60	30	3	16	28	1.40	-1.30	0.46	1.1	11	6	6	19	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	29	30.6[a]	+0.3	68[a]	22	3	27	49[a]	0.96	-1.77	0.36	T.	3	5	5	21	......	George E. Bergdoll
Stony River Dam	Grant	3,300	7	......	......	......	......	......	......	......	2.85	......	0.47	11.0	16	3	1	27	w.	A. C. Becker
Upper Tract	Pendleton	1,230	28	27.6[c]	......	49[c]	21	3[c]	12	32[c]	0.10	-2.45	0.10	......	1	7	1	23	......	J. M. Mallow
Averages and	extremes	......	......	31.0	+1.4	74	22	-4	8†	49	1.91	-1.14	1.19	4.3	9	9	5	17	......	
Northern Division																				
Aberdeen	Upshur	1,060	3	......	......	......	......	......	......	......	4.84	......	0.79	6.6	19	4	6	21	w.	L. Else Bond
Bens Run	Pleasants	652	25	33.3	+1.2	61	22	2	16	28	5.04	+0.63	0.76	3.0	13	5	8	18	......	J. D. Riggs
Benson	Harrison	1,080	4	33.2	......	65	21†	-2	16	36	4.66	......	0.83	2.4	15	6	6	19	......	R. D. Marts
Brownsville	Lewis	1,032	4	34.6	......	66	21†	-1	16	38	5.01	......	0.88	4.0	16	4	11	16	......	George M. Myers
Bruceton Mills	Preston	1,549	7	......	......	......	......	......	......	......	7.21	+1.95	1.08	17.0	17	1	5	25	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	30	32.8	+1.1	65	21	-3	16	34	5.95	+1.44	0.90	6.0	15	1	1	26	......	H. A. Darnall
Cairo	Ritchie	680	28	32.0	-2.9	62	21	-2	16	33	4.80	+0.25	0.86	1.2	15	7	5	19	......	O. C. Hess
Clarksburg	Harrison	1,015	5	32.0	......	65	21	-1	16	41	4.28	......	1.08	4.2	17	6	4	21	nw.	Clarksburg Water Board
Cortland	Tucker	3,300	16	......	......	......	......	......	......	......	3.00	+1.81	1.10	2.4	4	7	5	19	......	G. W. Harmon
Crawford	Lewis	1,107	4	......	......	......	......	......	......	......	4.68	......	0.71	4.1	16	4	7	20	w.	George W. Blair
Creston	Wirt	640	25	34.1	+0.7	66	21	-1	16	38	5.59	+1.74	1.25	1.7	14	5	0	26	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	6	......	......	......	......	......	......	......	4.53	......	0.78	1.8	17	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	11	......	......	......	......	......	......	......	3.58	+0.84	0.66	......	13	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	11	......	......	......	......	......	......	......	3.10	0.18	0.60	......	13	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	6	......	......	......	......	......	......	......	3.95	......	0.68	5.5	17	......	......	......	......	Lockmaster
Davis	Tucker	3,093	18	......	......	......	......	......	......	......	5.30	-0.52	0.65	22.5	18	4	3	24	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	15	......	......	......	......	......	......	......	4.89	+0.27	1.05	3.8	13	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	26	30.6	+0.2	64	21	-2	16	37	4.19	+0.85	0.55	10.4	19	3	4	24	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	2	......	......	......	......	......	......	......	4.18	......	0.64	24.2	24	0	9	22	n.	Claude A. Cunningham
Fairmont	Marion	883	21	33.7[d]	+1.0	65[d]	21	......	......	41[c]	4.39	-0.41	0.66	2.8	14	8[b]	5[c]	16[c]	w.	J. C. Robinson
Glenville	Gilmer	738	33	36.4	+3.1	66	21	-1	16[c]	47	5.19	+0.84	1.04	2.0	17	5	7	19	w.	Howard R. Brannon
Horner	Lewis	1,044	4	......	......	......	......	......	......	......	5.39	......	0.85	7.0	18	9	2	20	......	Thomas E. Miles
Horton	Randolph	2,840	2	......	......	......	......	......	......	......	3.90	......	0.54	19.2	15	7	2	22	sw.	J. W. White
Janelew (near)	Lewis	1,020	4	33.8	......	67	21	-2	16	41	5.07	......	0.90	4.5	15	12	1	18	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	29	32.2	-0.5	65	21	-4	16	38	4.55	+0.49	0.76	3.8	16	4	6	21	w.	Allen Smith
Mannington	Marion	985	24	32.0	+0.8	62	21	1	16	32	4.97	+0.36	0.84	3.5	16	4	6	21	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	34	32.0	+3.4	63	21†	5	17†	34	4.28	+0.51	0.70	4.5	11	1	5	25	s	Prof. E. L. Andrews
New Cumberland	Hancock	671	29	28.8[a]	+0.6	57[a]	29	1	17	40[a]	4.36	+1.60	0.70	3.2	14	6	5	20	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	33	32.1	-0.7	60	22†	-1	16	35	4.90	+1.14	0.95	T.	11	3	7	21	s.	Wm. Ankrom
Parkersburg	Wood	638	40	32.8	+0.3	62	30	0	16	27	4.01	+0.82	0.81	1.5	13	2	5	24	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	27	31.0	-0.2	56	21	0	16	40	4.05	-0.72	......	8.0	14	4	4	23	......	J. W. Swisher
Parsons No. 2	Tucker	......	1	......	......	......	......	......	......	......	4.90	......	0.66	11.7	18	5	7	19	......	Robert T. Deem
Philippi	Barbour	1,550	30	34.4	+1.5	68	23	-2	16	37	4.21	-0.12	1.33	10.5	20	4	11	16	w.	Prof. Elwyn F. Chase
Pickens	Randolph	2,697	24	27.6	-3.7	58	21	-14	16	40	9.58	+2.91	1.18	35.0	22	8	0	23	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	4	......	......	......	......	......	......	......	4.78	......	0.77	8.1	16	6	5	20	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	40	......	......	......	......	......	......	......	5.01	+0.54	0.81	5.5	20	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	18	......	......	......	......	......	......	......	4.59	+0.03	0.83	......	15	......	......	......	w.	Wm. Hughes
Smithfield	Wetzel	850	21	28.3	-2.3	54	21†	-1	16	38	4.61	-0.22	0.66	3.0	13	4	12	15	......	Everett V. Price
Terra Alta	Preston	2,559	26	27.6	-0.2	58	21†	-4	16	34	5.87	+0.57	0.81	11.3	19	3	1	27	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	4	33.9	......	67	21	-1	16	37	5.29	......	0.80	4.0	18	10	2	19	w.	J. C. Campbell
Vandalia	Lewis	1,120	4	......	......	......	......	......	......	......	4.23	......	0.86	......	13	......	......	......	......	Miss Phyllis West
Wellsburg	Brooke	668	26	30.2	+0.5	60	22	0	16	34	3.79	+0.35	0.79	2.0	12	7	4	20	......	George F. Pfister
West Milford	Harrison	979	2	......	......	......	......	......	......	......	4.91	......	0.73	......	11	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	32	34.8	+1.4	68	21	0	16	30	5.21	+1.04	0.95	1.0	15	2	12	17	......	Weston State Hospital
Wheeling	Ohio	645	40	29.4[b]	-1.2	60	21	0[c]	16†	44[a]	3.95	+0.79	0.69	1.7	14	6[a]	5[a]	19[a]	sw.	Miss M. B. Forsyth
Woodlands	Marshall	......	......	......	......	......	......	......	......	......	4.93	......	0.60	3.0	14	8	14	9	sw.	R. W. Rist
Averages and	extremes	......	......	32.1	+0.2	68	21†	-14	16	47	4.79	+0.71	1.33	6.7	15	5	6	20	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	......	......	......	......	......	......	......	......	2.36	......	0.42	6.0	12	5	10	16	w.	H. S. Sutton
Bancroft	Putnam	574	23	34.4	0	69	21	-4	16	47	4.73	+0.53	0.78	3.2	16	7	0	24	ne.	R. E. Dent
Bluefield[f]	Mercer	2 558	32	36.4	-1.9	67	21†	-2	17	40	1.08	-2.14	0.32	9.2	9	8	2	15	......	Norfolk & Western Ry
Camden-on-Gauley	Webster	2,029	12	......	......	......	......	......	......	......	1.20	-4.46	1.20	......	1	......	......	......	n.	Miss Katie Jarvis
Charleston	Kanawha	600	24	35.9	-2.6	70	21	-2	16†	45	4.19	+0.24	0.90	4.0	16	4	0	27	......	R. O. Fields
Clay	Clay	706	11	......	......	......	......	......	......	......	3.59	......	0.59	6.9	12	......	......	......	......	Ted Thomas
Dam 6 G. K.††	Kanawha	598	......	......	......	......	......	......	......	......	3.36	......	0.70	......	10	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	11	......	......	......	......	......	......	......	4.59	+0.59	0.82	......	16	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	11	......	......	......	......	......	......	......	4.55	+0.65	1.06	......	16	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	11	......	......	......	......	......	......	......	5.31	+0.60	1.28	......	16	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	11	36.6	......	72	21†	0	16	43	2.43	-1.63	0.68	2.5	12	6	4	21	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	30	36.2	+2.0	70	22	0	16	36	1.87	-1.34	0.42	4.5	12	2	1	28	w.	Mrs J. R. Baber
Huntington	Cabell	538	31	33.8	+1.0	66	21	0	16	43	4.69	+0.79	2.00	3.2	14	......	......	......	......	L. H. Hutchinson
Kanawha Falls	Fayette	618	8	......	......	......	......	......	......	......	3.56	......	0.72	......	15	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	11	......	......	......	......	......	......	......	3.75	-1.55	0.62	11.0	23	......	......	......	......	Cabin Creek Con. Coal C
Kermit	Mingo	579	1	......	......	......	......	......	......	......	4.50	......	0.75	4.0	11	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	27	32.6	+0.7	64	22	-2	16	30	1.53	-1.98	0.47	3.5	8	7	3	21	nw.	Geo. T. Argabrite
Logan	Logan	700	24	......	......	......	......	......	......	......	3.22	-1.56	0.56	1.6	12	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	28	28.6	+0.4	58	22	-4	16	30	2.74	-1.33	0.80	4.5	13	4	14	13	sw.	S. L. Brown
Organ Cave	Greenbrier	......	1	......	......	......	......	......	......	......	1.57	......	0.30	7.0	13	4	2	25	w.	J. J. Hedrick
Point Pleasant	Mason	595	34	32.2[a]	-1.4	60[a]	21†	-2[a]	16	33[a]	5.85	+1.97	1.20	2.5	14	13	1	17	nw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	12	31.2	......	64	21	-5	16	41	5.20	......	1.16	3.0	10	8	0	23	ne.	Lockmaster
Robertsburg	Putnam	570	27	31.9	-1.5	68	21	-4	16†	49	5.64	+1.64	1.20	4.0	16	5	0	26	......	M. Frazier
Ryan	Roane	700	24	32.0	-1.3	65	21	-13	16	40	4.70	+0.48	0.98	7.1	17	6	3	22	......	Wm. E. Ryan
Sharples	Logan	......	7	......	......	......	......	......	......	......	3.52	......	1.10	......	7	......	......	......	......	R. W. Howard
Sissonville	Kanawha	625	......	......	......	......	......	......	......	......	4.06	......	1.42	7.0	7	......	......	......	......	J. N. Johnson
Spencer	Roane	789	23	32.1	-1.2	66	21	-10	16	44	5.83	+1.42	1.05	5.0	15	0	10	21	......	A. M. McKown
Sutton	Braxton	850	21	34.6	+1.0	67	21†	-4	16	37	6.07	+1.05	1.22	10.0	17	14	0	17	......	C. B. Eakle
Union[f]	Monroe	2,250	23	35.0	+2.4	69	24	-4	12	41	1.79	-1.82	0.35	6.0	13	3	5	18	......	W. M. H. Young
Wayne	Wayne	598	......	......	......	......	......	......	......	......	4.41	......	1.55	......	14	......	......	......	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	17	33.0	+1.3	70	21	-2	11	41	1.72	-0.86	0.50	3.5	10	14	4	13	......	H. E. Green
Williamson	Mingo	673	27	38.0	+2.1	72	21	7	16	35	3.32	-1.00	0.90	2.8	13	8	0	23	sw.	A. J. Maynard
Averages and	extremes			34.0	+0.1	72	21†	-13	16	49	3.66	-0.44	2.00	5.1	13	7	3	21	w.	
State averages and	extremes			32.5	+0.4	74	22	-14	16	49	4.08	+0.03	2.00	5.9	14	6	5	20	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for January, 1927

Stations	Drainage basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Potomac Division																																	
Bayard	Potomac	T																															
Brandywine	do	T.		.16	.16	.04	1.19	.05		T	.21	T			.04	.17	.09		T	.17	1.08	1.11	.62	[illegible]	[illegible]	.02							[illegible]
Harpers Ferry	do				.05	T		.10		T	T								.10	T	T									.29		.11	[illegible]
Inwood	do			T.	T.	.10				T	.01				.32					.05		.08		.01						.25			[illegible]
Martinsburg	do														.35																		[illegible]
Moorefield	do	.02		.05	.20		T.	T		.02	.08	T.	T							.11	.65	.70	.05	.02	.10								
Piedmont	do				.06	T.	T.			.12	.08				T				.11		.03	.08		.12						.37	.13		[illegible]
Romney	do			.02		.04	T			.04	.02				T				.02	.03	.16	.31	.02	.27						.15	.18		[illegible]
Stony River Dam	do					T.	T			.31									.50	.35										.20			1.40
Upper Tract	do	.16		.16		.16	.16	.08			.01	.04				.08				.19	.17	.47	.12	.28	.24								[illegible]
						T.	T.			T.	T				T			T	T				T	.10				T		.22	T		0.10
Northern Division																																	
Aberdeen	Monongahela	.14		.24	.20	.07				.01	.18	.15			.30	.05			.19	.22	.57	.74	.79	.77	.02				.02	.36	.14		[illegible]
Bens Run	Ohio	.08	.15	.16	.24										.45				.30	.65	.75	.38	.76	.40					.10	.31			[illegible]
Beason	Monongahela	.12	T.	.17	.28	.06	T.			T	.08	T			.37	.01	T.		.19	.34	.60	.53	.64	.51	T.				.07	.36			[illegible]
Brownsville	do	.12		.21	.22	.08				T	.12	T			.27	T			.21	.23	.35	.55	.81	.78	.05		T.		.02	.18	.15		[illegible]
Bruceton Mills	do	.44		.40	.86	.28	.02	T.		.05		.02			.40	.16			.15	.75	.66	1.08	.70	.62			T.		.38		.24	T.	7.21
Buckhannon	do	.50		.20	.38	.10	T.				.15	T			.58	T.			.54	.22	.62	.36	.90	.85	.05		T.		.15		.85		5.95
Cairo	Little Kanawha		.05	.04	.27	.02					.07	.01			.27	.02			.30	.44	.60	.86	.82	.58					.65				4.80
Clarksburg	Monongahela	.06	T.	.17	.16	.18				.03	.04	.01			.29		.04	T	.46	.22	1.08	.20	.43	.45						.41	.02		4.28
Cortland	do					.20														1.00			1.10			.70							3.00
Crawford	Little Kanawha	.13			.52						.05	.04			.32	.01			.22	.23	.60	.28	.66	.71	.05				.11	.25	.50		4.68
Creston	Monongahela	T.		T.	.05	.24	T.				.05	.05	T.		.51	.07	T.		T.	.51	.38	1.25	.64	.47	.50					.67	.20		5.59
Dam 10, Mon. R.	Ohio	.04	.02	.28	.14	.10	.03				.02				.29	.02				.49	.45	.78	.33	.51	.52					.43	.10		4.53
Dam 12, O. R.	do	.05		.11	.08	.01									.51					.66	.57	.60	.22	.41	.30					[illegible]	[illegible]		3.98
Dam 13, O. R.	Monongahela	.05	.02	.10	.06	.08									.07					.50	.02		.30	.30	.56					.60	.14		3.10
Dam 15, Mon. R.	do	.04	.03	.18	.06	.08	T.	T.		T.	.06	.04	T.		.69	.04				.43	.16	.68	.26	.56	.49					.41	.04		3.95
Davis	do	.08	.12	.32	T.	.65	.19	.12			.02		.11		T.	.10	.06			.16	.32	.65	.26	.45	.65		T.			.62	.39		[illegible]
Elizabeth (D'm 3 L K)	Little Kanawha			.12	.05						.10	.12			.45	.08				.60	.24	1.05	.75	.40	.31					.62			4.89
Elkins***	Monongahela	.10	.12	.12	.42	.13	T.	T.		T.	.12	.05			.56	.08			.11	.21	.36	.23	.45	.46	.64				.41	.04	.37		4.19
Evenwood	do	.36	.07	.14	.09	.11	.10	.14	.07	.03	.12	.08	T.		.27	.12		.15	.20	.26	.21	.29	.19	.17	.14	T.			.02	.21	.64	T.	4.18
Fairmont	do	T.	T.	.16	.12	.16	T.	T.		.04			T.		.24	.02				.50	.46	.66	.49	.56	.48					.16	.04		1.59
Glenville	Little Kanawha	.06			.40	.06	.04				.07	.06			.22	.04	.05		T.	.44	.40	1.04	.52	.63	.43					[illegible]	.23		5.19
Horner	Monongahela	.17		.20	.41	.15				.03	.15	.05			.27	.03			.21	.25	.50	.65	.82	.85	.03					[illegible]	.22		[illegible]
Horton	do	.36	T.	T.	.54	.42				T.	.11	.04		T.	.48	.17			.08	.16	.14	.08	.11	.32						.50	.39		3.90
Jane Lew (near)	do	.15	.04	.20	.25	.10					.15				.28				.25	.55	.45	.75	.90	.70					.10	.40			[illegible]
Lost Creek	do	.07		.11	.33	.04	T.			.03	.05	T.			.19	.02			.20	.38	.58	.75	.76	.67	T.		T.		.10	.27	T.	T.	4.55
Mannington	do	.05	.01	.20	.32	.07	T.			T.	T.	T.			.32	T.			.22	.70	.74	.44	.84	.46	.01				.15	.36	.08		4.97
Morgantown	do	.08	.28		.55	T.	T.			T.		T.			.28	T.			.25	.47	.62	.30	.76	.50	T.				.25				4.28
New Cumberland	Ohio	.07	.16	T.	.10	.12	.02			T.		T.			.32					.70	.58	.57	.56	.27	.30					.55	.04		4.56
New Martinsville	do	T.	T.	.20	.20	T.	T.			T.		T.			.40	T.			.35	.75	.75	.20	.95	.35					.30	.45			4.90
Parkersburg***	do	T.	.01	.04	.10	T.	T.			T.	.16	T.		.16	.17	T.			.36	.47	.75	.38	.58	.27			T.		.62		T.		4.01
Parsons	Monongahela	.21	T.	.16	T.	T.	T.			.08	.05	.08		*	T.				*	*	1.20	*	.62	.63					*	.96			4.05
Parsons No. 2	do	.20	.06	.26	.18	.29	.07	T.		T.	.06	.16	T.		.22	.06	T.			.24	.29	.66	.20	.41	.60					.62	.32		4.90
Philippi	do	.25	T.	.08	.53	.16	.04	T.		.08	.13	.05			.32	.03			.18	*	1.03	*	*	1.33	*	.01	T.		*	.01	T.		4.21
Pickens	do	.56	.16	.40	1.00	.24	.08	.08	.08	.08	.24	.24			1.18	.24			.69	.38	.78		.68	.97	.10				.46	.28	.66		9.58
Roanoke	do	.15		.20	.25	.11					.16	T.			.38				.27	.23	.52	.49	.72	.77	.03				.07	.27	.22		4.78
Rowlesburg	do	.06	.04	.36	.09	.40	.04			.32	.02	.01			.18	.07	.02			.22	.28	.81	.40	.50	.56					.57	.09		5.04
Saint Marys	Ohio	.02		.17	.18	.03	T.	T.			.01	T.	T.		.03	T.			.01	.65	.68	.83	.16	.40	.35					.74	.03		4.59
Smithfield	Fishing Creek		.11	.14			.04			T.		T.	T.	T.	.15	T.				.54	.63	.48		.66	.41	.38	.44		.57		.06		4.61
Terra Alta	Monongahela	.21	T.	.35	.36	.37	.30	T.		.01	.06	.02			.30	.02	T.		.16	.38	.48	.81	.79	.59	T.		T.		.08	.54	.06		5.87
Valley Chapel	do	.08		.21	.28	.04					.12	.06			.35	.04	.02		.25	.59	.54	.78	.80	.60					.12	.35	.06		5.29
Vandalia	do			.05	.30							.11						.05	.10	.40	.50	.40	.67	.80	.05				.25		.55		4.23
Wellsburg	Ohio		T.	.18	.20	.17	T.	T.											.29	.79	.51	.27	.60	.35					.25	.15	.03		3.79
West Milford	Monongahela	.33		.36						.13						.31			.25	.33	.63	.73	.70	.63						.45			4.91
Weston	do	.04		.01	.40	.20		T.		T.	T.				.40	T.			.30	.30	.68	.75	.60	.95	.10				.10	.20	.15		5.21
Wheeling	Ohio	.05	.01	.15	.09	.04	T.	T.					T.		.31	T.	T.			.53	.57	.60	.32	.42	.30					.51	.05		3.95
Woodlands	do	.04	.04	.16	.15	.05									.35					.48	.60	.48	.60	.58	.40					.60	.40		4.93
Southern Division																																	
Arbovale	Great Kanawha	.12		.04	.37	.16		T.		T.	T.	T.	T.		.59	T	T.		.11	.07	.08	.03		.23					T.	.34	.42		2.36
Bancroft	do	.02	.01		.05	.05					.08	.05			.36	.08				.36	.26	.73	.75	.36	.46					.45	.66		4.73
Beckley	do																																
Bluefield	do			.05		.02	.09				.24	.32	.12		.04	.16				.04					T.								1.08
amden-on-Gauley	do			T.						T.								T.							1.20								1.20
harleston	do	.08				.10					.10	.05			.46	.10			.10	.20	.22	.54	.10	.20	.90	.04				.50	.50		4.19
lay	do	.15	.05	.06				.17		.16						.42						.50	.20	.55	.59					.45	.16		3.59
am 6 G. K.	do	.13													.28					.26	.22	.61	.07	.14	.70					.45	.50		3.36
am 19 O. R.	Ohio	.02	T.	.03	.10	.08	T.	T.			.06	.03	T.		.30	.01			T.	.63	.40	.82	.45	.52	.24			T		.68	.02		4.59
am 20 O. R.	do	.02		.02	.05	.06					.05	.04	T.		.40	.02			T.	.48	.32	1.06	.56	.40	.36					.67	.02		4.53
am 26 O. R.	do	.03			.10	.05					.08	.01			.25	T.	T.		.05	.48	.36	1.28	.94	.58	.41	.01				.60	.25		5.31
ary	Big Sandy	T.	T.	.68	.10						.12	.10		.14	.10	T.	T.			.09				.15	.14	.03				.45	.30		2.43
inton	do				.25	.20	.03				.21	T.			.28	T.				.04		.04		.10	.15					.42	.10	.10	1.87
untington	Ohio				.04						.18	T.	.02		.25	.05			.06	.40	.34	1.00	1.00	.24	.40					.44	.24		4.69
anawha Falls	Great Kanawha			.10	.02	.15	.02				.09	.08	.04		.28					.16	.24	.26	.07	.32	.65	.02				.43	.72	.12	3.56
aylord	do	.12	.01	T.	.08	.10	.12	.02	T.	.10					.22	.14	.04		.01	.05	.13	.28	.05	.31	.53	.04				.44	.20	.62	3.75
ermit	Big Sandy	.10												.60		.20				.68	.50	.18	.12	.72					.75	.55			4.50
ewisburg	Great Kanawha	T.		T.	.11	.16					.12				.33				.08			T		T.	.02					.47	.24		1.53
gan	Guyandotte	.10	T.		T.	T.					.02	.04			.36	.07					.29	.38	.16	.28	.56	T.				.52	.44		3.22
arlinton	Great Kanawha	T.		.05	.35	.15					T.	T.			.48	.05			.16	.22	.04	.11	.04	.22					T.	.04	.80		2.74
gan Cave	do				.10	.08	.08			.04		.16	.24						.03	.04	.08			.14	.08						.20	.30	1.57
nt Pleasant	Ohio				T.	.08					.19	.03		T.	.38	.08			.04	.59	.39	1.08	1.20	.65	.36	T.				.58	.20		5.85
avenswood (Dam 22)	do				T.	.05				.26	T.	T.	T		.42				T.	.55	.32	1.16	1.05	.46	.33	T.			T.	.60			5.20
bertsburg	Great Kanawha				.10	.06					.16	.08			.29	.08			.03	.44	.39	1.20	1.07	.41	.53	.03				.52	.25		5.64
an	do	.07			.11	.02					.20	.04			.35	.10			.25	.18	.60	.33	.98	.60	.05				.27	.26	.29		4.70
arples	Coal River														1.10				.12					.11	.96					.34	.86		3.52
sonville	Great Kanawha						.30				.03			.51	T.	.40					T.	1.42	.58	.43	.42								4.06
encer	do	.10	T.	T.	.06	.11	T.				.16	.08			.42	.16				.35	.22	1.04	.63	.50	.62					1.05	.30		5.83
ton	do	.16		.08	.48	.08					.24	.08			.52	.16			.38	.27	.65	.59	.58	1.22	.18				.48		.32		6.07
ion	do	.02			.12	.05		.05			.12	.16		.08	.35	.02			.01						.25					.30		.28	1.79
yne	Big Sandy				.03	.05					.11	.03	T.		.25	.04			.05	.22	.55	1.55	.19	.29	T.					.50	.55		1.41
ite Sulpr. Spgs.	Great Kanawha			.08	.05					.20	T.	.10		.50					.08			.04	.15	.12					.32		.18		1.72
liamson	Big Sandy	.05	T.												.20	.15			.11		.12	.15	.90	.11	.31					.53	.59		3.32

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ‡‡‡ Probably incomplete.

Daily Temperatures for January, 1927

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	34	32	34	46	31	38	23	37	24	21	21	31	41	43	26	23	36	35	54	49	62	61	48	41	37	37	34	47	48	64	59	39.5
	Minimum	19	15	24	28	21	23	14	−4	6	10	9	3	7	26	3	−4	3	15	31	37	36	44	32	31	23	17	−3	14	38	31	35	18.8
Brandywine	Maximum	30	30	37	34	35	36	29	27	28	26	24	28	31	34	30	30	41	41	45	50	60	65	62	50	42	40	30	35	53	59	52	39.0
	Minimum	27	15	22	27	20	22	10	12	15	20	16	0	17	30	10	0	27	22	25	40	35	40	38	34	20	18	2	14	35	34	35	22.0
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Martinsburg§	Maximum	38	34	42	45	45	35	32	27	26	29	28	35	37	46	27	46	45	36	40	48	47	72	35	40	51	32	31	42	62	65	....	40.6
	Minimum	24	19	24	26	32	27	24	15	14	16	14	14	13	20	15	9	19	20	25	32	36	36	30	29	20	20	5	5	16	36	35	21.6
Moorfield	Maximum	42	44	46	44	41	42	40	33	30	26	31	38	38	41	35	28	48	44	51	52	53	74	64	49	53	50	34	45	57	69	57	45.1
	Minimum	30	18	31	31	35	31	25	16	18	20	18	1	4	27	5	5	11	22	30	28	36	38	34	33	23	23	5	13	35	34	35	23.1
Piedmont	Maximum	37	37	36	39	37	34	26	24	24	26	33	32	33	38	26	25	40	35	40	45	50	57	43	41	43	33	23	46	55	60	47	37.3
	Minimum	22	22	31	31	32	25	22	16	14	16	15	16	20	26	9	3	12	26	32	39	37	43	32	33	29	19	5	22	37	38	32	24.4
Romney	Maximum	34	37	44	42	37	30	30	29	24	26	28	36	35	39	19	27	45	38	45	52	58	68	43	46	48	25	31	58	65	61	....	40.0
	Minimum	26	22	27	29	32	27	22	14	14	12	8	7	7	21	12	4	10	17	31	35	36	40	30	31	21	23	3	9	19	35	34	21.2
Upper Tract	Maximum	28	....	37	....	33	31	30	28	27	24	23	32	33	35	34	29	40	39	37	47	49	....	35	35	34	30	37	37	37	37	38	34.2
	Minimum	21	....	33	....	30	27	22	13	14	15	16	3	20	30	10	10	18	24	25	30	32	....	33	33	26	22	5	10	14	16	32	20.9
Northern Division																																	
Bens Run	Maximum	35	35	36	42	37	37	31	28	32	31	35	31	47	43	26	18	43	40	54	54	59	61	38	36	44	38	36	44	58	60	48	40.5
	Minimum	26	22	32	32	34	29	21	20	21	23	19	15	27	25	13	2	15	26	39	36	38	37	35	32	24	21	9	22	38	45	32	26.1
Buckhannon	Maximum	35	31	36	44	34	39	29	27	31	31	24	33	45	42	26	15	40	44	54	52	65	58	40	39	42	35	38	56	53	57	49	40.1
	Minimum	25	22	31	32	31	28	23	16	21	22	17	4	20	25	10	−3	10	26	42	42	41	40	36	35	28	19	8	22	40	42	31	25.4
Cairo	Maximum	29	37	37	45	36	37	30	29	33	30	25	34	44	44	25	19	43	39	55	44	62	59	36	36	43	40	35	42	53	60	42	39.5
	Minimum	22	23	30	32	34	29	18	17	22	25	18	5	23	23	8	−2	10	23	37	38	41	35	33	28	20	25	5	33	33	42	29	24.5
Clarksburg §	Maximum	38	35	44	39	35	31	31	28	32	26	25	37	47	39	17	33	42	48	55	48	65	59	38	39	45	26	41	51	62	58	40	40.5
	Minimum	27	22	24	32	33	30	22	15	19	20	18	9	10	26	14	−1	3	24	29	41	40	48	33	33	22	22	9	10	26	41	32	23.6
Creston	Maximum	32	37	40	50	36	38	32	30	35	31	25	38	46	50	30	29	45	45	58	57	66	60	40	37	45	42	45	46	56	61	53	43.2
	Minimum	25	25	33	33	32	30	23	19	24	23	14	2	31	15	0	−1	10	34	37	38	41	40	35	33	22	23	7	21	31	44	32	25.0
Elkins	Maximum	31	36	33	42	31	30	25	28	28	24	18	36	43	44	16	21	38	41	51	50	64	62	58	36	42	26	43	45	55	61	38	38.6
	Minimum	20	18	29	29	29	22	12	9	19	17	14	4	20	16	2	−2	9	23	41	42	42	38	36	30	25	13	6	30	40	38	29	22.6
Fairmont§	Maximum	29	35	41	39	35	29	30	30	....	....	22	41	49	41	....	....	46	47	53	48	65	58	36	37	48	30	44	49	60	59	34	42.0
	Minimum	27	22	24	31	33	28	21	16	21	....	....	15	14	30	13	....	14	25	27	37	37	48	31	32	22	23	8	8	31	42	31	25.4
Glenville	Maximum	49	40	48	51	45	49	38	34	36	40	28	51	49	51	35	24	51	42	57	55	66	61	44	39	49	44	43	49	59	64	56	46.7
	Minimum	27	25	37	32	33	30	24	18	24	23	17	4	21	28	12	−1	10	26	36	40	42	42	37	33	23	23	8	18	40	42	33	26.0
Lost Creek	Maximum	35	35	34	43	34	34	31	29	32	30	25	38	44	49	26	18	42	38	55	53	65	63	42	37	47	39	43	50	55	62	50	41.2
	Minimum	24	22	30	30	30	28	20	12	19	22	15	3	17	26	10	−4	6	21	36	39	40	41	32	32	20	18	5	15	40	40	30	23.2
Mannington	Maximum	35	33	37	41	35	35	28	26	32	31	24	33	48	44	25	18	41	39	55	51	62	60	38	37	41	38	37	47	51	61	50	39.8
	Minimum	26	22	31	31	32	28	21	13	18	24	17	13	20	25	12	1	11	21	37	37	38	38	31	32	20	19	5	19	40	37	32	24.2
Morgantown	Maximum	33	37	34	44	34	33	25	23	29	27	22	34	48	50	25	17	40	45	55	53	63	60	34	34	41	37	39	49	51	63	49	39.6
	Minimum	22	21	21	32	31	25	20	15	14	19	15	15	26	23	8	5	16	30	41	35	37	32	29	30	24	15	5	29	41	47	30	24.3
New Cumberland§	Maximum	38	34	40	37	36	28	26	29	29	27	25	35	46	32	15	28	41	47	51	37	54	53	33	32	40	18	33	43	57	53	....	36.6
	Minimum	26	26	28	31	34	23	17	14	15	12	14	15	18	29	8	2	1	22	25	33	32	34	26	26	23	12	2	3	31	37	30	20.9
New Martinsville	Maximum	37	34	37	43	39	37	32	29	32	33	27	39	49	50	28	21	44	41	52	53	58	60	46	40	44	39	40	46	54	60	42	41.5
	Minimum	24	18	29	30	31	25	19	15	17	19	14	13	26	23	9	−1	12	21	36	33	34	34	28	30	22	17	5	19	35	37	29	22.7
Parkersburg	Maximum	33	38	39	48	38	34	31	29	33	29	26	34	45	44	19	19	45	46	56	42	61	60	36	35	45	32	38	45	58	62	38	39.9
	Minimum	24	24	32	36	33	28	22	20	22	18	18	12	29	19	5	6	19	28	41	36	38	33	32	30	24	15	11	32	41	38	32	25.6
Parsons	Maximum	32	34	36	35	34	32	35	26	26	26	24	36	34	31	15	33	36	31	52	49	56	55	54	40	51	32	46	51	49	51	36	38.2
	Minimum	26	26	32	30	32	26	24	5	15	19	15	5	15	15	7	0	19	20	32	36	49	44	40	31	26	17	6	19	36	36	31	23.7
Philippi	Maximum	34	34	46	44	39	31	27	28	29	28	25	37	48	47	27	17	40	45	48	60	64	65	68	62	43	38	43	49	59	57	47	42.9
	Minimum	22	20	31	35	29	26	20	12	12	21	14	8	24	22	9	−2	14	29	39	45	51	57	58	32	26	18	6	30	33	35	29	26.0
Pickens	Maximum	25	31	29	40	28	27	22	29	30	27	15	32	45	40	24	23	32	39	48	53	58	57	54	36	39	24	38	43	52	53	37	36.1
	Minimum	15	11	24	26	22	16	6	1	17	15	8	−8	14	17	14	−14	13	21	36	38	44	42	34	29	21	11	3	23	35	36	23	19.1
Terra Alta	Maximum	30	30	30	40	30	25	22	22	23	20	18	33	40	42	19	16	33	35	50	48	58	58	41	36	36	32	36	45	49	55	45	35.4
	Minimum	16	15	24	28	25	19	15	−1	10	14	9	9	13	19	2	−4	15	20	35	39	39	36	33	29	22	15	2	16	39	36	25	19.8
Wellsburg	Maximum	37	31	35	40	37	34	27	25	28	28	25	32	46	43	25	17	40	40	52	54	44	60	34	34	39	36	37	44	49	56	46	37.9
	Minimum	25	21	30	32	33	25	19	14	13	13	13	11	24	20	9	0	16	21	35	34	35	32	27	27	22	15	3	21	38	38	31	22.6
Weston	Maximum	32	35	40	42	42	40	35	35	31	31	31	35	45	45	42	24	45	40	50	55	68	59	58	45	48	35	39	50	50	58	58	43.3
	Minimum	22	22	24	33	28	30	22	20	20	23	19	5	22	30	15	0	16	28	40	42	40	55	30	30	25	24	9	20	44	46	30	26.3
Wheeling§	Maximum	32	34	42	38	37	30	32	30	31	24	30	36	43	34	18	30	44	47	52	39	60	....	....	35	46	25	40	45	58	57	35	38.1
	Minimum	25	18	25	29	22	27	19	14	14	15	15	18	17	30	9	0	0	23	27	33	34	36	....	....	19	17	10	5	35	39	29	20.8
Southern Division																																	
Bluefield	Maximum	....	....	45	48	38	41	35	40	....	40	20	37	43	35	29	....	38	45	54	64	67	67	....	66	49	46	36	45	44	....	58	45.6
	Minimum	....	....	19	37	30	32	21	21	....	18	15	2	24	27	3	....	−2	35	40	50	54	53	....	41	35	28	14	22	29	....	31	27.2
Charleston	Maximum	30	46	68	48	41	39	37	33	42	26	24	43	52	44	16	36	43	54	60	58	70	65	44	40	45	35	47	52	63	59	44	45.3
	Minimum	30	25	26	38	34	33	26	22	24	22	22	9	10	30	10	−2	−2	30	33	44	44	46	40	38	28	26	13	13	36	42	32	26.5
Gary §	Maximum	31	45	51	45	42	41	35	40	42	25	23	44	49	44	16	32	40	47	58	68	72	72	70	45	56	38	45	52	62	57	47	46.3
	Minimum	29	21	24	37	34	35	26	23	24	20	19	6	6	25	8	0	16	31	35	36	42	43	43	43	38	31	18	19	29	42	30	26.9
Huntington §	Maximum	30	42	51	42	42	36	33	31	37	26	25	35	48	37	15	34	44	50	55	46	66	60	38	38	39	30	40	45	61	55	40	41.0
	Minimum	30	25	26	37	37	34	26	24	25	22	16	10	10	32	9	0	1	33	34	40	40	46	36	35	26	26	15	15	39	45	35	26.7
Lewisburg	Maximum	36	41	39	42	36	36	32	34	35	35	25	31	34	38	30	21	37	37	43	50	58	64	61	49	47	44	36	37	53	55	50	40.8
	Minimum	22	19	32	31	28	30	20	15	26	20	15	1	17	28	7	−2	9	28	32	35	38	35	46	39	29	22	11	16	34	43	31	24.
Marlinton	Maximum	30	34	34	38	32	34	28	32	32	28	20	28	32	38	20	22	36	32	38	42	48	58	56	48	44	32	34	34	48	52	40	36.3
	Minimum	18	10	28	28	28	26	18	12	20	18	14	−2	14	20	4	−4	6	22	32	32	36	34	42	36	24	18	4	12	32	38	28	20.9
Point Pleasant	Maximum	40	36	....	50	48	41	38	32	31	36	36	31	41	41	38	31	41	41	48	55	60	60	40	38	35	35	31	40	55	60	55	42.
	Minimum	18	17	....	18	35	28	21	18	22	20	11	6	20	8	10	−2	12	28	35	38	40	40	32	22	21	10	9	29	30	48	33	22.
Ravenswood	Maximum	37	40	42	52	40	39	33	32	35	35	34	34	43	45	28	21	45	44	57	55	64	62	48	33	43	43	41	44	56	61	52	43.
	Minimum	26	24	33	37	35	30	22	21	24	22	17	25	23	27	8	−5	14	28	42	36	41	40	33	22	23	13	0	21	29	39	32	25.
Robertsburg§	Maximum	30	45	53	45	40	35	35	35	40	25	25	40	46	36	10	28	45	47	46	43	68	58	38	38	48	30	45	47	62	57	40	41.
	Minimum	27	24	25	35	33	29	21	17	22	22	17	3	3	24	7	−4	−4	25	30	36	36	36	32	32	22	22	9	9	36	39	31	22.
Ryan	Maximum	36	40	38	40	37	36	35	29	36	31	38	35	40	43	25	21	42	42	56	55	65	56	40	38	43	32	44	56	46	55	48	41.
	Minimum	24	21	33	33	31	26	20	14	20	19	14	−5	15	25	7	−13	4	23	36	37	41	40	35	33	19	18	5	31	36	44	27	23.
Spencer §	Maximum	33	40	51	35	45	34	35	29	36	26	21	38	48	41	16	34	48	49	58	52	66	60	38	47	37	32	43	46	61	58	41	41.
	Minimum	22	18	28	35	28	25	18	15	16	20	13	−4	16	32	8	−10	7	23	40	46	36	46	33	31	26	22	5	20	35	40	23	23.
Sutton	Maximum	32	40	40	42	42	34	34	31	33	33	27	37	47	47	39	20	41	41	55	55	67	67	55	46	47	47	45	46	60	60	54	44.
	Minimum	25	23	27	33	26	30	25	20	24	27	18	3	20	32	10	−4	8	26	38	36	37	36	37	30	31	22	8	21	37	41	34	25.
Union	Maximum	43	....	41	44	40	38	39	38	....	40	27	30	35	43	37	....	39	40	45	61	67	68	....	69	49	51	38	45	56	....	57	45.
	Minimum	21	....	21	33	30	31	21	18	....	21	16	−4	15	34	8	....	−2	31	33	36	41	39	....	41	32	25	11	19	39	....	31	24.
White Sulphur Spgs§	Maximum	45	44	45	38	41	35	38	40	27	28	32	40	43	22	28	42	41	45	56	65	70	69	49	54	40	39	48	59	59	46	54	44.
	Minimum	21	23	32	30	31	23	15	21	23	12	−2	−1	16	10	1	3	27	32	33	34	35	36	40	29	18	8	9	20	41	30	18	21.
Williamson §	Maximum	40	50	55	47	42	42	41	39	46	27	29	42	52	43	28	31	41	51	57	58	72	70	63	52	48	24	49	51	48	45	49	46.
	Minimum	29	25	26	40	39	34	27	26	27	23	20	16	17	35	27	7	8	29	36	45	50	50	51	40	36	23	16	17	38	35	34	29.

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 3 21 27—840)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXV Parkersburg, W. Va., February, 1927 No. 2

GENERAL SUMMARY

The past month, with an average temperature of 40.9°, was the warmest February of State record, or since 1890. The lowest temperature recorded was 6°. In every other February of record, except in 1897, a temperature of zero or below was noted. In 1897 the lowest temperature recorded at any atation in February was 3°. The previous warmest February of State record was in 1909, when the average temperature was 40.4°. The precipitation also averaged considerably more than 1 inch above the normal, but was well distributed, the weather for the month being characterized by frequent and general rains or snows. Although the month was exceptionally warm, the snowfall averaged nearly 2 inches above the normal, owing to an unusually heavy fall on the 19-20th. Wheat continued in fair condition during the month, but the soil was generally too wet for field work.

TEMPERATURE

The monthly mean for the State, determined from 49 sta- ions, was 40.9°. The departure from the normal for 40 sta- ions having ten or more years of record was +8.5°. Excepting he 11th, the month was continuously warm until the 19th, he highest temperatures being noted on the 16th and 17th. It vas also moderately warm from the 23d to the 25th. The lowest temperatures occurred generally on the 11th and 22d.

PRECIPITATION

The average precipitation for the State, determined from 81 tations, was 4.49 inches. The departure from the normal for 1 stations having ten or more years of record was +1.29 inches. he precipitation was heaviest over the central and north-central ounties and lightest over the southern and extreme eastern. lost of the precipitation was received on the 5-6th, 10-11th, 3-14th, 17th-21st, 23d, and 25-27th, the greatest amounts eing measured on the 6th, 14th, 18-20th, and 23d. Most of ie snowfall was received on the 19-20th, but light to moderate iow also fell on the 10th, 26th, 27th, and 28th.

HAIL

Light hail fell in sections of the following counties on dates erewith: Brooke, Gilmer, Harrison, and Randolph, 16th; arbour, 18th; Lewis, 19th and 24th; Gilmer, Ohio, and Wood, th; Berkeley, 26th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 23d and 25th; Bancroft, 23d and 24th; ns Run, 24th; Bruceton Mills, 23d; Davis, 10th; Elkins, h, 9th, 10th, 24th, and 25th; Fairmont, 8th, 10th, 22d, and d; Huntington, 23d; Lost Creek, 19th; Marlinton, 9th, 10th, d, 24th and 25th; Organ Cave, 5th and 6th; Parkersburg, d and 24th; Philippi, 23d and 24th; Pickens, 18th; Terra Alta, 18th, 23d, and 24th; Wellsburg, 8th and 9th; Williamson, 4th.

Halos, lunar: Parkersburg, 12th; Philippi, 12th and 14th; Ryan, 13th; Terra Alta, 13th.

Sleet: Martinsburg, 6th; Bens Run, 13th; Beckley, Bens Run, Cairo, Parkersburg, Point Pleasant, Terra Alta, and Valley Chapel, 18th; Beckley, Crawford, Elkins, Glenville, Marlinton, Martinsburg, Moorefield, Parsons, Philippi, Pickens, Roanoke, and Valley Chapel, 19th; Crawford, Elkins, Marlinton, Martinsburg, 20th; Marlinton, 24th; Parsons, 25th.

Thunderstorms (dates and number of stations reporting): 3d, 5; 6th, 2; 14th, 1; 16th, 20; 17th, 10; 18th, 23; 22d, 1; 23d, 1; 24th, 7; 25th, 10; 26th, 2.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a.m.	local noon	8 p.m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity Miles per hour	Max. velocity Direction	Max. velocity Date
Cincinnati, Ohio	30 05	87	71	72	136.4	45	6,294	9.4	34	ne.	18
Columbus, Ohio	30.04	84	76	78	88.9	33	7,785	11.6	49	w.	25
Elkins	30.06	86	71	78	87.2	29	4,342	6.5	34	w.	25
Lexington, Ky	30.05	88	78	....	109.1	36	9,967	14.8	52	nw.	25
Parkersburg	30.06	79	69	74	78.7	26	4,317	6.4	34	w.	25
Pittsburgh, Pa	30.04	84	75	75	87.0	29	8,699	12.9	41	w.	3
Wytheville, Va	30.03	83	68	76	149.0	49	4,737	7.0	30	sw.	14

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	38.1	.....	.....	5.39	......	......	......	......	......	......	......
1892	37.1	72	−12	2.30	......	......	......	9	......	......	......
1893	35.0	71	− 6	4.81	6.70	1.65	......	12	......	......	......
1894	33.4	74	− 5	3.99	7 48	2.05	......	10	9	7	12
1895	22.8	79	−17	1.27	2.44	0.61	......	7	10	9	9
1896	33.4	62	− 5	3.31	6.23	1.50	......	17	7	8	14
1897	36.8	70	3	5.95	8.18	3.00	......	11	7	7	14
1898	32.7	74	−13	1.81	3.38	0.64	......	9	10	8	10
1899	26.1	69	−35	4.32	6.43	2.25	19.0	14	7	5	16
1900	30.7	83	−11	3.94	5.62	2.31	10.1	12	5	10	13
1901	27.1	62	− 6	0.86	1.66	0.10	4.1	7	8	8	12
1902	26.7	68	−14	3.20	5.65	1.33	8.1	10	6	7	15
1903	35.3	74	−19	5.99	9.59	2.58	8.6	11	10	6	12
1904	29.3	80	−13	2.37	4 55	0.52	8.1	10	12	9	8
1905	25.6	56	−22	2.34	4.65	0.80	8.1	11	8	6	14
1906	32.4	79	−11	1.60	3.34	0.46	8.1	7	15	6	7
1907	31.1	68	−23	2.55	4.83	0.67	11.1	9	9	8	11
1908	30.9	72	−10	3.72	6.26	1.77	15.8	12	7	8	14
1909	40.4	80	− 5	4.16	7.68	1.44	3.4	13	7	8	13
1910	31.5	72	−11	3.18	6.56	0.98	13.5	8	9	8	11
1911	38.7	76	− 6	2.03	3.92	0.40	4.8	7	8	8	12
1912	27.3	70	−17	2.45	5.08	0.72	6.4	7	10	8	11
1913	32.6	80	− 4	2.27	6.15	0.21	4.7	7	13	6	9
1914	28.4	70	−22	3.64	6.96	1.63	19.7	10	9	7	12
1915	38.4	72	− 2	3.07	6.33	0.90	3.6	10	10	5	13
1916	31.4	72	−12	4.30	9.19	1.79	13.2	11	8	6	15
1917	31.0	80	−14	3.29	7.73	1.26	10.1	9	9	7	12
1918	35.4	81	−19	3.12	6.60	0.45	3.8	9	11	6	11
1919	35.2	72	− 2	1.85	3.93	0.35	3.5	9	11	5	12
1920	31.3	69	− 4	2.71	5.49	1.49	9.3	12	7	5	17
1921	37.4	79	−10	2.61	4.90	1.10	10.8	9	8	5	15
1922	38.2	77	−14	2.89	5.57	0.94	6.3	11	8	7	13
1923	30.4	70	−20	3.68	7.38	0.75	7.8	12	7	5	16
1924	31.6	74	−16	3.21	8.18	0.84	12.2	11	8	6	15
1925	39.8	80	− 5	2.49	4.32	0.35	2.0	8	10	6	12
1926	34.9	72	− 3	4.01	8.88	1.20	18.1	13	6	5	17
1927	40.9	79	6	4.49	8.64	2.40	11.0	15	7	6	15
1891-1927	33.0	83	−35	3.22	9.59	0.10	9.1	10	8	7	13

Climatological Data for February, 1927

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	26	36.9	+9.5	66	17	16	21	43	8.41	+5.02	1.81	24.0	17	8	4	16	sw.	U. G. Clark
Brandywine††	Pendleton	1,586	11	39.0	+0.2	60	3†	20	1	38	3.10	+1.37	.....	10.0	6	10	1	17	s.	Elmer Keister
Burlington[b]	Mineral	875	33	45.6	.....	70	4†	31	1†	40	.....	.....	.....	.....	.....	10	4	6	s.	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	38	.....	.....	.....	.....	.....	.....	.....	2.40	+0.03	0.76	7.0	7	.....	.....	.....	.....	J. C. Newcomer
Martinsburg	Berkeley	435	35	37.0[a]	+7.0	71[a]	17	18	22	47[a]	4.19	+1.76	2.25	14.2	13	19	4	5	nw.	Dr. H. S. Gardner
Moorefield	Hardy	900	31	42.0	+9.7	76	17	14	22	45	3.68	+1.31	1.20	18.5	11	20	1	7	.....	M. S. Henkel
Piedmont	Mineral	1,053	14	38.0	+5.7	65	17	23	12†	37	3.91	+1.25	0.84	12.2	11	8	1	19	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	29	38.6[c]	+6.4	69[c]	16	20[b]	1†	45[c]	3.26	+1.00	0.95	.....	7	4	11	13	.....	George E. Bergdoll
Stony River Dam	Grant	3,300	7	.....	.....	.....	.....	.....	.....	.....	5.12	.....	1.17	18.5	14	4	6	18	w.	A. C. Becker
Upper Tract	Pendleton	1,230	28	40.2[a]	+8.0	68[a]	16†	21[a]	1†	44[a]	.....	.....	1.70	.....	.....	5[c]	0[c]	20[c]	.....	J. M. Mallow
Averages and	extremes			39.8	+7.7	76	17	14	22	47	4.42	+1.73	2.25	15.7	11	10	4	14	nw	
Northern Division																				
Aberdeen	Upshur	1,060	3	.....	.....	.....	.....	.....	.....	.....	5.08	.....	1.23	9.7	19	2	9	17	nw.	L. Else Bond
Bens Run	Pleasants	652	25	41.0	+9.2	69	16	18	22	37	3.77	+0.58	0.75	15.0	13	4	11	13	.....	J. D. Riggs
Benson	Harrison	1,080	4	41.2	.....	69	16†	8	22	48	4.22	.....	1.30	10.0	18	4	12	12	.....	R. D Marts
Brownsville	Lewis	1,032	4	42.2	.....	70	16†	13	11	42	4.12	.....	0.94	.....	18	4	12	12	.....	George M. Myers
Bruceton Mills	Preston	1,549	7	.....	.....	.....	.....	.....	.....	.....	5.90	+2.54	0.75	25.8	17	3	7	18	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	30	39.7	+8.2	67	17	19	22	35	5.39	+1.52	0.94	6.0	14	10	4	14	.....	H. A. Darnall
Cairo	Ritchie	680	28	39.4	+6.9	69	16	12	22	41	4.07	+0.59	0.90	8.0	13	7	7	14	.....	O. C. Hess
Clarksburg	Harrison	1,015	5	39.0	.....	69	16†	14	22	42	4.15	.....	1.12	10.4	16	2	7	19	w.	Clarksburg Water Board
Cortland	Tucker	3,300	16	.....	.....	.....	.....	.....	.....	.....	4.82	−0.07	1.00	14.0	12	6	11	11	.....	G. W. Harmon
Crawford	Lewis	1,107	4	.....	.....	.....	.....	.....	.....	.....	5.59	.....	1.81	6.7	16	5	10	13	w.	George W. Blair
Creston	Wirt	640	25	42.2	+9.4	71	17	17	22	40	4.33	+1.44	0.80	12.1	18	6	1	21	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	6	.....	.....	.....	.....	.....	.....	.....	4.44	.....	1.39	23.8	18	.....	.....	.....	.....	Lockmaster
Dam 12 O. R.	Ohio	660	11	.....	.....	.....	.....	.....	.....	.....	3.41	+1.18	0.72	.....	16	.....	.....	.....	.....	Lockmaster
Dam 13 O. R.	Ohio	655	11	.....	.....	.....	.....	.....	.....	.....	3.24	+0.92	0.76	.....	19	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	6	.....	.....	.....	.....	.....	.....	.....	4.39	.....	1.08	20.0	18	.....	.....	.....	.....	Lockmaster
Davis	Tucker	3,093	18	.....	.....	.....	.....	.....	.....	.....	6.08	+1.90	1.52	12.3	19	7	5	16	w.	Ross C. Male
Elkins	Randolph	1,947	26	39.0	+7.4	66	17	19	21	39	5.71	+2.54	1.90	5.8	21	2	6	20	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	2	.....	.....	.....	.....	.....	.....	.....	5.10	.....	1.74	5.0	18	4	9	15	s.	Claude A. Cunningham
Fairmont	Marion	883	21	39.0	+6.8	70	16	13	22†	40	3.27	+0.14	0.80	21.5	15	11	2	15	w.	J. C. Robinson
Glenville	Gilmer	738	33	43.4	+9.7	73	17	16	22	42	5.07	+1.34	1.49	6.5	17	11	4	13	w.	Howard R. Brannon
Horner	Lewis	1,044	4	.....	.....	.....	.....	.....	.....	.....	5.27	.....	1.32	6.2	20	14	2	12	.....	Thomas E. Miles
Horton	Randolph	2,840	2	.....	.....	.....	.....	.....	.....	.....	6.04	.....	1.10	27.1	13	9	0	19	se.	J. W. White
Janelew (near)	Lewis	1,020	4	42.0	.....	70	16†	12	22	46	4.12	.....	0.80	8.0	13	10	3	15	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	29	40.4	+9.4	68	16†	9	22	45	4.68	+1.62	1.25	10.0	16	4	8	16	w.	Allen Smith
Mannington	Marion	985	24	39.5	+8.5	69	15	6	22	42	4.80	+2.01	1.09	23.2	19	5	7	16	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	34	40.4	+9.1	67	16	19	11	33	4.35	+1.30	0.85	12.0	11	0	8	20	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	29	35.6[a]	+7.9	67[a]	16	13	22	38[a]	3.10	+0.73	0.50	20.5	18	2	2	24	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	33	40.8	+8.6	74	17	10	22	42	3.65	+0.67	0.70	15.0	12	6	8	14	s.	Wm. Ankrom
Parkersburg	Wood	638	40	41.2	+7.0	71	16	19	11	33	3.33	+0.09	0.72	11.4	18	4	5	19	n.	U. S. Weather Bureau
Parsons††	Tucker	1,649	27	37.2	+7.5	64	17	20	22†	35	5.75	+2.33	.....	5.5	13	5	7	16	.....	J. W. Swisher
Parsons No. 2	Tucker	.....	1	.....	.....	.....	.....	.....	.....	.....	5.91	.....	1.51	8.9	18	7	5	16	.....	Robert T. Deem
Philippi[a]	Barbour	1,550	30	42.4	+11.2	67	16	19	19	34	4.78	+1.41	.....	8.0	18	7	8	12	w.	Prof Elwyn F. Chase
Pickens	Randolph	2,697	24	35.4	+3.8	64	17	13	27	35	8.64	+3.57	2.00	18.0	15	7	5	16	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	4	.....	.....	.....	.....	.....	.....	.....	5.65	.....	1.33	7.5	15	5	5	18	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	40	.....	.....	.....	.....	.....	.....	.....	5.45	+2.04	0.85	6.5	19	.....	.....	.....	.....	Walter H. Bolyard
Saint Marys	Pleasants	577	18	.....	.....	.....	.....	.....	.....	.....	3.61	+0.41	0.87	12.0	16	.....	.....	.....	w.	Wm. Hughes
Smithfield	Wetzel	850	21	37.4	+6.8	70	17	6	22	46	4.76	+1.14	2.21	23.0	16	4	10	14	.....	Everett V. Price
Terra Alta	Preston	2,559	26	36.1	+8.3	63	16	15	21	39	4.61	+0.84	0.68	12.5	19	2	6	20	w.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	4	42.2	.....	70	17	14	22	44	4.74	.....	0.95	10.5	16	10	3	15	w.	J. C. Campbell
Vandalia	Lewis	1,120	4	.....	.....	.....	.....	.....	.....	.....	4.30	.....	1.30	.....	11	.....	.....	.....	.....	Miss Phyllis West
Wellsburg	Brooke	668	26	37.8	+10.3	68	16	8	22	40	3.02	+0.34	0.79	15.0	10	9	7	12	w.	George P. Pfister
West Milford	Harrison	979	2	.....	.....	.....	.....	.....	.....	.....	5.26	.....	1.50	.....	12	.....	.....	.....	.....	Miss Dicie E. Wagner
Weston	Lewis	1,026	32	41.8	+9.9	70	16	19	22	34	4.29	+0.55	1.10	8.0	12	3	20	5	.....	Weston State Hospital
Wheeling	Ohio	645	40	37.3[a]	+6.5	71[a]	16	15	20†	41[a]	3.73	+1.21	0.75	25.0	19	8	13	7	sw.	Miss M. B. Forsyth
Woodlands	Marshall	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.06	.....	1.10	16.0	16	9	10	9	sw.	R. W. Rist
Averages and	extremes			39.9	+8.2	74	17	6	22	48	4.64	+1.21	2.21	13.3	16	6	7	15	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	.....	.....	.....	.....	.....	.....	.....	.....	5.36	.....	1.40	6.0	16	7	9	12	w.	H. S. Sutton
Bancroft	Putnam	574	23	41.6	+7.9	75	17	22	11†	41	2.87	−0.04	0.75	4.0	12	14	0	14	ne.	R. E. Dent
Beckley	Raleigh	2,440	27	43.0	+9.7	75	17	12	20	33	.....	.....	.....	.....	.....	9	4	15	w.	K. E. Williams
Bluefield[e]	Mercer	2,558	32	46.6	+12.7	69	17†	22	28	29	.....	.....	.....	.....	.....	9	4	10	.....	Norfolk & Western Ry
Camden-on-Gauley	Webster	2,029	12	.....	.....	.....	.....	.....	.....	.....	2.40	.....	1.60	.....	.....	.....	.....	.....	.....	Miss Katie Jarvis
Charleston	Kanawha	600	24	44.2	+5.8	76	17	24	27	38	4.33	+0.76	1.30	2.0	13	3	0	25	.....	R. O. Fields
Clay	Clay	706	13	.....	.....	.....	.....	.....	.....	.....	4.74	+1.43	1.25	9.0	11	.....	.....	.....	.....	Ted Thomas
Dam 6 G. K	Kanawha	598	.....	.....	.....	.....	.....	.....	.....	.....	3.48	.....	0.80	4.0	13	.....	.....	.....	.....	Lockmaster
Dam 19 O. R.	Wood	600	11	.....	.....	.....	.....	.....	.....	.....	3.33	+0.76	0.80	.....	16	.....	.....	.....	.....	Lockmaster
Dam 20 O. R.	Wood	600	11	.....	.....	.....	.....	.....	.....	.....	4.13	+1.12	0.64	.....	18	.....	.....	.....	.....	Lockmaster
Dam 26 O. R.	Mason	564	11	.....	.....	.....	.....	.....	.....	.....	2.86	.....	0.45	.....	16	.....	.....	.....	.....	U. S. Engineer Office
Gary	McDowell	1,426	11	45.0	.....	75	17	24	1†	41	5.69	+2.04	1.38	T.	16	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	30	44.2	+10.2	67	14	24	1†	30	5.23	+2.18	1.30	.....	14	1	5	22	.....	Mrs J. R. Baber
Huntington	Cabell	538	31	42.2	+9.6	70	16†	25	19	33	3.84	+0.71	1.70	7.6	13	5	3	20	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	8	.....	.....	.....	.....	.....	.....	.....	3.89	.....	1.30	.....	9	.....	.....	.....	.....	J. O. Brown
Kayford	Kanawha	1,335	11	.....	.....	.....	.....	.....	.....	.....	4.55	.....	1.34	11.0	17	.....	.....	.....	.....	Cabin Creek Con. Coal C
Kermit	Mingo	579	1	.....	.....	.....	.....	.....	.....	.....	3.86	.....	1.00	6.0	10	.....	.....	.....	.....	E. B. Kirk
Lewisburg	Greenbrier	2,250	27	41.7	+9.7	66	17	16	20	38	5.82	+2.86	1.39	3.5	12	9	7	12	nw.	Geo. T. Argabrite
Logan	Logan	700	24	.....	.....	.....	.....	.....	.....	.....	3.18	−0.72	1.10	.....	8	.....	.....	.....	.....	J. R. Wampler
Marlinton	Pocahontas	2,131	28	37.0	+8.0	62	17†	14	22	38	6.68	+3.29	1.86	7.0	16	3	16	9	sw.	S. L. Brown
Organ Cave	Greenbrier	.....	1	.....	.....	.....	.....	.....	.....	.....	6.65	.....	1.18	9.5	13	4	6	18	w.	J. J Hedrick
Point Pleasant	Mason	595	34	43.0	+9.4	72	17	18	11	40	3.60	+0.18	1.00	8.8	16	9	2	17	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	12	42.8	.....	70	16†	18	11	38	3.30	.....	0.56	10.0	14	6	0	22	nw.	Lockmaster
Robertsburg	Putnam	570	27	40.4	+7.5	75	17	19	11†	39	2.94	−0.08	0.55	5.0	18	11	0	17	.....	M. Frazier
Ryan	Roane	700	24	40.0	+6.8	70	17	17	11	42	4.32	+0.95	1.13	8.3	16	3	10	15	.....	Wm. E. Ryan
Sharples	Logan	.....	7	.....	.....	.....	.....	.....	.....	.....	4.00	.....	1.72	4.0	7	.....	.....	.....	.....	R. W. Howard
Sissonville	Kanawha	625	.....	.....	.....	.....	.....	.....	.....	.....	2.99	.....	0.92	3.5	8	.....	.....	.....	.....	J. N. Johnson
Spencer	Roane	789	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. M. McKown
Sutton	Braxton	850	21	42.4	+7.9	71	7†	20	22†	42	6.06	+2.76	1.35	11.0	14	14	0	14	.....	C. B. Eakle
Union[d]	Monroe	2,250	23	45.0	+11.8	72	18	20	1	38	4.50	+1.79	1.51	4.0	10	5	8	11	.....	W. M. H. Young
Wayne	Wayne	598	.....	.....	.....	.....	.....	.....	.....	.....	3.68	.....	0.90	7.5	14	.....	.....	.....	.....	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	17	42.0[a]	+7.4	72[a]	17	17	21	48[a]	6.23	+2.01	1.45	6.0	15	10	7	11	.....	H. E. Green
Williamson	Mingo	673	27	46.4	+10.3	79	17	28	1†	38	4.26	+1.11	1.20	T.	12	11	0	17	sw.	A. J. Maynard
Averages and	extremes			42.8	+9.1	79	17	12	20	48	4.29	+1.28	1.86	6.0	13	7	5	16	w.	
State averages and	extremes			40.9	+8.5	79	17	6	22	48	4.49	+1.29	2.25	11.0	15	7	6	15	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for February, 1927

Stations	Drainage basin	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Potomac Division																																	
Bayard	Potomac					.03	.27	1.81	.67			.17			.67	.36	.11		.53	.89	1.17	.08	.19	.01			.75	.22	.29				[illegible]
Brandywine	do					.65						.25							.10		2.00				T	.10							[illegible]
Burlington	do		T	T										.70	.30				.40	.50	1.62												[illegible]
Harpers Ferry	do					T	.20					T			.22	.18			.41	.42	.76	.18			T								[illegible]
Inwood	do																																
Martinsburg ‖	do				.05	.03	.40					.12			.25	.20		.06	.27	.10	2.25	.09											[illegible]
Moorefield	do					.70	.16	.11			.08	.20			.15				.36	.58	1.20					.02	.65						[illegible]
Piedmont	do			T		.60	.68					.22		.18	.21		.02		.71	.36	.81			.03		.11	T		T				[illegible]
Romney	do				.40						T			.10			.40	.20	.75	.90				.03		.03	.16						[illegible]
Stony River Dam ‖	do				.10	.18	1.17	.92				.24			.46	.20		.10	.35	.26	.68					.20	.16	.10					[illegible]
Upper Tract	do										T	.26			.10				T	1.70	1.40				T	T	T	T	T				[illegible]
Northern Division																																	
Aberdeen	Monongahela		.03	T		.37	.72	.10			.16	.16		.08	.27		.02		.71	1.25	.68	.08		.13	.03	.19	.09	.01	.07				5.18
Bens Run	Ohio			.16		.25	.12				.20			.15	.65		.15		.75	.48	.55		*			.20	.06		.05				3.77
Benson	Monongahela			.06		.27	.55	.23			.04	.06		.11	.33		.06		.43	1.30	.55	.65		.05		.17	.15	.02	.01				4.22
Brownsville	do		.04	T		.50	.64	.16			.02	.12		.09	.19		.02		.55	.54	.38	.05		.15	.06	.31	.08	T	.02				4.12
Bruceton Mills	do			.30		.75	.17				.14	.40		.17	.68		.18		.50	.68	.48	.24		.50		.31	.06	.16	.18				5.90
Buckhannon	do			.08		.63	.90				.20			.12	.30		T		.90	.91	.50	.20		.20	.20	.32	.10	T	T				5.59
Cairo	Little Kanawha	T	.08	T		.30	.51				.22			.20	.38		.11		.90	.30	.54	T		.03	T	.45	.05	T	T				4.67
Clarksburg ‖	Monongahela		.03			.20	.14	.43				.21			.18	.19		.10	.37	1.12	.83	.05		.03	.02		.23	.02					4.15
Cortland ‖	do			.15	.85	.30	1.60				.16			.35	.40		.30	.35			.56						.16		.24				4.82
Crawford	Little Kanawha		.05	.01		.73	.56	.05			.21			.12	.38				.75	1.81	.42	T		.19	.05	.21	.04	.01	T				5.57
Creston ‖	Monongahela		.10			.33	.17	.34				.03		.20	.11	.12	.23	.03	.40	.80	.65	.10	T	.13		T	.40	.15	.04				4.33
Dam 10, Mon. R. ‖	Ohio		.09		.12	.11	.21	.06				.26			.27	.26	.04	.07	.29	1.39	.61	.11	.02			.07	.40	T	.03				4.44
Dam 12, O. R. ‖	do				.26	.05	.91					.13			.72	.12	.04	.04	.23	.60	.50	.25		.03	.02		.35		.03				3.41
Dam 13, O. R. ‖	Monongahela		.03		.43	.09	.02					.15			.76	.10	.03	.05	.25	.40	.22	.20	.03	.02		.01	.40	.01	.04				3.24
Dam 15, Mon. R. ‖	do		.03		.11	.14	.18	.14				.21			.25	.21	.04	.12	.31	1.08	.78	.08		.03		.06	.28	T	.06				4.59
Davis ‖	do				.14	.35	1.04	1.52				.16		.26	.16	.38		.13	.42	.21	.12	.16	.06		.45	.14	.16	.08	.24				6.08
Elizabeth (D'm 3 L K)	Little Kanawha		.05			.22	.03	.20				.08		.27	.40	.10			.63	.43	.56	T		.20			.11	.50	.16				3.74
Elkins ***	Monongahela	.02	.01	.01		1.90	.56				.29	.01		.06	.22		.05	.26	.87	.58	.05	.06	T	.21	.18	.22	.08	.02	.05				5.71
Evenwood	do			.02		1.74	1.06				.05	.14	.12	.10	.49		.05		.51	.06	.05	T		.04	.02	.20	.29	.09	.07				5.10
Fairmont ‖	do		.03		.07		.47					.20			.25	.22	.03	.15	.33	.16	.80	.08	T	.10	T	T	.30	T	.08				3.27
Glenville ‖	Little Kanawha		.10		.04	.38	.32	.16				.18		.15	.06		.24		.18	1.49	1.04	.04		.11		.15	.31	.12	T				5.07
Horner	Monongahela		.05	.01		.45	.19	.15			.13	.17		.11	.25		.03		.15	1.32	.87	.08		.18	.06	.32	.12	.01	.02				5.27
Horton	do			T		1.10	.52					.37			.30		T		.55	1.08	.64	T		.07	.04	.21	.32	.41	.43				6.04
Janelew (near)	do					.20	.67				.10	.15		.10	.15		.10		.60	.80	.50					.45	.20	.10					4.12
Lost Creek	do		.08	.01		.27	1.25	T			.04	.05		.08	.25		.07		.55	.61	.72	T		.06	.03	.26	.05	T	T				4.68
Mannington	do		.08	.08		.22	.30				.17	.07		.15	.69		.15		.35	1.69	.70	.10		.02	.05	.41	.10	.03	.04				4.80
Morgantown	do		T	T		.38	T				.15			.40	.38	.40	.10		.50	.48	.48		.85	T	T	.23	T	T	T				4.55
New Cumberland ‖	Ohio		.05		.03	.29	.08					.01			.50	.10	.03	.07	.44	.48	.24	.22	.16	.02	.04		.31	T	.02				3.10
New Martinsville	do		.10	.25		.25	.05				.15			.20	.70		.10		.65	.10	.60	T				.20	T	T	T				3.65
Parkersburg ***	do	.06		.02		.23	.36				.20			.30	.47		.08	.22	.60	.16	.25	.02	T	.01	.01	.28	.03	T	.03				3.33
Parsons	Monongahela	*			*	*	*	3.50						*	.94							.16		*	*	.95	.16	.04					5.75
Parsons No. 2	do		.09		.02	.28	1.51	1.16				.29		T	.28	.28	T	.11	.35	.74	.35	.02	T	.16		.06	.15	.05	.03				5.91
Philippi	do		.08			.18	1.15	.10				.20		*	.30		.06		.53	*	*	1.56		.08	T	.16	.05	.02	.03				4.78
Pickens	do		T			2.00	.84				.16			.40	.30			.20	.82	1.01	.56	.25		1.01		.37	.16	.24	.32				8.64
Roanoke	do					.60	.74	.19			.13	.10		.08	.27		T		.37	1.33	.93	.07		.15	T	.60	.03	.06	T				5.65
Rowlesburg ‖	do		.14		.04	.14	.85	.61				.36			.33	.29		.07	.70	.64	.51	.03		.02	.05	.12	.40	.05	.06				5.45
Saint Marys ‖	Ohio		.08		.08	.12	.05	.12				.23		.05	.70	T	.10	T	.35	.87	.43	.05		T			.34	.02	.02				3.61
Smithfield ‖	Fishing Creek				.05			.14				.12		.11	.69		.07		.19	.51	2.21	.08	.05	.06	.04	T	.31	.05	.08				4.76
Terra Alta	Monongahela		.11	.08		.67	.68				.15	.02		.15	.67		.11	T	.68	.59	.09	.07		.11	.04	.17	.12	.01	.09				4.61
Valley Chapel	do	.08		.01		.36	.74	.18				.12		.12	.25		.10		.70	.95	.80			.02	.02	.21	.08						4.74
Vandalia	do						1.30	.75					.20	.10					.15	.60	.85	.05		.10		.15	.05						4.30
Wellsburg	Ohio			.03		.07	T				T	T		.30	.49		.05		.25	.75	.59	.22				.27		T	T				3.02
West Milford	Monongahela		.12			.48	1.00	.03				.30		.14	.24		.20		.80		1.50					.33		.12					5.26
Weston	do					.20	.25	.75			.08			.40		.20	.10	.20	1.10	T	.56				.20	.25	T						4.29
Wheeling ‖	Ohio		.02	.02	.31	.09	.03					.13			.70	.11	.04	.04	.28	.75	.63	.22	.01	.02	.01		.31	T	.01				3.75
Woodlands ‖	do				.20	.25	.05				.20				1.10	.06	.05	.16	.42	.72	.24	.11		.03			.34	.06	.04				4.06
Southern Division																																	
rbovale	Great Kanawha			.03	.04	1.40	.21	.06	.03			.26		.29	.03			.08	.35	.87	.28	T		1.22	.09		T	.12	T				5.36
ancroft ‖	do		.05			.41	.10	.26				T		.20	.10		.05		.45	.75	.30			.10			.10		T				2.87
eckley	do																																
uefield	do										.09						.12			.10		.02		.79		.02							‡‡‡
amden-on-Gauley ‖	do																																
harleston ‖	do					.70	.36	.14				.07		.12	.10	.14			.17	.65	1.30	.08		.24			.26						4.33
ay ‖	do					.96	.36								.14	.06	.02	.07		1.25	1.12	.28		.34				.14					4.74
am 6 G. K. ‖	do				.08	.48	.15	.06						.10	.14	.10			.22	.70	.80	.02		.24			.39						3.48
am 19 O. R. ‖	Ohio		.04		T	.26	.03	.42				.17		.05	.80	.08	.13	T	.40	.50	.08	.05	T	T	T		.26	.02	.01				3.33
am 20 O. R. ‖	do		.05			.33	.04	.46				.15		.14	.64	.08	.11		.34	.60	.46	.21		.03	.03	.18	.23	.05	T				4.13
am 26 O. R. ‖	do				.02	.45	.03	.06				.05		.13	.22	.25	.05		.30	.45	.40	.12		.05			.25	.03					2.86
ry ‖	Big Sandy		.08		.10	.02	.30	.12		.02		.17		.40	.30	.02		.79		.70	.90	T	.34	1.38	.05			T	T				5.69
nton ‖	do					.18	.40	.12		.08		.18		.20	.42	T		.40		.65	1.10			1.30	.06		.08	.06					5.23
ntington ‖	Ohio					.36	.10	.22				.04		.22	.22	.01			.32	.96	.50	.14		.04				.44	T				3.84
nawha Falls ‖	Great Kanawha						.50	.40				.15		.05	.02					.55	1.50	.15		.47									3.89
yford ‖	do				.12	.22	.73	.47				.19		.10	.03	.04		.02	T	.66	1.34	.08		.26	.07		.14	.06	.02				4.55
rmit	Big Sandy				.12	.12	.50					.12		.35	.12					.68	.60			1.00			.25						3.86
wisburg	Great Kanawha					1.07	.19		.17		.11	.12	T	.39				.61		1.39	.58			1.00		.15		.04					5.82
an	Guyandotte					.35	.49					.15			.20	T		.12		.47	1.10	T		.32									3.18
rlinton	Great Kanawha					1.86	.08		.04		.12	.32		.36	.08		T	.24	.28	1.76	.40	T		.12	.42	.30	.10	.26	T				6.68
an Cave	do					.80	.05	.30		.20	.15		.10	.20				.15	1.16	1.18	.40	.36		1.60									6.65
nt Pleasant ‖	Ohio					.48	.03	.05				.08		.30	.30	.03	.03		.33	.40	1.00	.09		.09	.06		.19	.11	T				3.60
enswood (Dam 22	do		.12			.35	.10	.35				.08		.21	.27	.05	.02	T	.40	.33	.56	T					.37	.09					3.30
ertsburg ‖	Great Kanawha		.02		.07	.54	.08	.14				.04		.15	.20	.06	.02		.19	.55	.38	.04		.15	.02		.27	.02					2.94
n	do			.05		.60	.35				.06	.02		.18	.18		.01		1.13	.70	.46	.03			.04	.42	.05		.01				4.32
rples ‖	Coal River		.16				.54										.38		.38	.40	1.72			.42									4.00
onville ‖	Great Kanawha						.60	.41						*	.35	*			.51	.92	.20												2.99
ncer ‖	do																																
on	do				.20	1.10	.30	.70			.35			.12	.22				.53	1.35	.45			.20		.22	.16		.16				6.06
on	do					.30		.45	.03			.35			.50			.43				.24	.62	1.51		.04							4.50
ne ‖	Big Sandy		.01			.37	.14	.22				.03		.10	.18				.38	.90	.87	.12		.10			.25		.01				3.68
te Sulpr. Spgs ‖	Great Kanawha				.62	.55	.25	.05	.04		.25	.10	.15	.35			.40		1.45	.65			1.05			.02		.30					6.23
iamson ‖	Big Sandy						.65	.25				.15		.10	.12			.30		.50	.60	.10		1.20	.05		.24						4.26

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ‡‡‡ Probably incomplete.

Daily Temperatures for February, 1927

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	44	46	56	56	48	61	53	49	56	56	34	46	42	54	54	64	66	62	41	28	27	52	54	52	47	42	24	29	....	....	....	48.0
	Minimum	22	32	21	32	31	29	30	32	19	25	17	24	23	30	34	21	39	38	22	19	16	20	35	27	25	21	17	20	....	....	....	25.8
Brandywine	Maximum	55	52	60	57	50	58	58	44	55	52	44	50	47	50	48	52	60	60	45	28	40	50	60	47	46	40	38	37	....	....	....	49.4
	Minimum	20	35	22	30	35	36	34	25	25	24	25	23	30	35	36	30	32	40	28	24	22	25	35	26	27	26	25	24	....	....	....	28.5
Burlington	Maximum	50	51	64	70	....	....	....	....	....	....	....	....	51	58	60	68	69	70	51	40	39	40	56	60	59	51	48	47	....	....	....	55.1
	Minimum	31	32	24	35	....	....	....	....	....	....	....	....	38	39	41	41	50	51	31	32	31	32	38	40	38	36	32	31	....	....	....	36.2
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Martinsburg§	Maximum	49	56	67	51	32	52	50	48	54	45	45	56	35	42	52	58	71	51	32	30	37	44	51	51	44	43	40	....	....	....	....	47.6
	Minimum	29	31	27	30	30	29	30	23	23	24	27	19	25	30	31	24	24	30	28	22	23	18	24	25	25	29	28	29	....	....	....	26.3
Moorfield	Maximum	51	55	68	68	57	65	60	55	54	52	45	62	56	53	56	68	76	72	53	39	40	42	55	50	50	48	38	38	....	....	....	54.5
	Minimum	25	40	23	41	34	32	39	25	28	28	26	26	30	32	32	25	36	42	27	25	24	14	35	25	26	31	28	29	....	....	....	29.6
Piedmont	Maximum	45	49	64	62	40	59	60	46	54	40	38	49	45	41	48	49	65	49	33	28	32	45	53	54	48	37	34	33	....	....	....	46.4
	Minimum	31	34	27	38	30	32	31	25	27	30	25	23	29	30	35	27	38	32	26	24	24	23	35	38	32	30	26	24	....	....	....	29.5
Romney	Maximum	50	52	65	57	40	60	50	54	41	....	43	54	....	50	52	69	69	42	30	33	38	59	52	51	42	39	46	....	....	....	....	49.5
	Minimum	20	41	23	26	31	30	38	23	23	26	....	20	27	....	30	24	38	31	25	23	25	23	32	22	23	30	26	28	....	....	....	27.2
Upper Tract	Maximum	44	48	64	64	62	61	62	61	60	47	43	44	59	61	64	68	68	62	32	33	....	50	56	57	50	43	38	36	....	....	....	53.2
	Minimum	21	22	26	27	42	30	31	32	38	26	25	26	26	28	26	25	24	25	24	23	....	21	35	26	25	28	23	26	....	....	....	27.1
Northern Division																																	
Bens Run	Maximum	48	49	63	62	49	63	59	58	58	49	38	48	45	63	58	69	68	60	32	34	34	51	51	58	53	41	31	38	....	....	....	51.2
	Minimum	27	39	29	34	47	39	37	28	29	30	19	24	31	41	40	32	37	29	24	26	21	18	35	34	32	29	26	27	....	....	....	30.9
Buckhannon	Maximum	44	46	61	61	55	61	55	54	57	43	34	45	52	61	55	65	67	57	34	34	35	24	56	54	47	38	30	35	....	....	....	48.6
	Minimum	24	35	26	34	41	55	37	24	27	31	20	22	31	49	41	30	37	34	30	27	22	19	24	34	31	29	23	25	....	....	....	30.8
Cairo	Maximum	48	48	65	63	56	63	58	55	56	45	38	48	41	63	53	69	68	59	31	33	35	53	51	57	48	36	31	36	....	....	....	50.2
	Minimum	21	37	24	29	40	46	30	25	26	30	14	19	29	41	32	29	33	27	25	25	21	12	36	35	30	30	25	27	....	....	....	28.5
Clarksburg §	Maximum	49	49	64	56	61	63	51	58	57	35	38	48	58	63	50	69	69	45	31	32	32	56	47	59	47	35	29	34	....	....	....	49.5
	Minimum	25	25	25	30	32	43	38	27	28	30	24	22	27	31	41	30	35	40	27	25	21	14	17	32	30	29	24	24	....	....	....	28.4
Creston	Maximum	50	51	66	62	60	64	58	57	56	51	40	50	49	65	62	70	71	64	37	35	38	52	50	60	53	42	38	37	....	....	....	53.1
	Minimum	22	34	26	30	40	50	32	28	28	31	20	23	40	44	40	30	35	32	26	27	22	17	38	40	36	30	25	27	....	....	....	31.2
Elkins	Maximum	47	45	61	52	60	60	47	55	60	36	39	45	48	60	50	66	66	60	38	34	32	53	57	50	46	33	26	28	....	....	....	48.4
	Minimum	24	29	24	37	37	45	29	27	28	29	22	24	30	46	29	27	40	36	31	25	19	28	39	30	28	25	20	20	....	....	....	29.6
Fairmont§	Maximum	47	53	63	58	59	63	51	59	59	33	41	54	57	62	52	70	69	44	32	34	31	50	47	57	47	34	29	38	....	....	....	49.8
	Minimum	26	26	26	32	36	42	36	25	25	29	22	22	25	24	41	39	39	43	26	25	21	13	13	37	29	28	24	24	....	....	....	28.2
Glenville	Maximum	52	55	66	65	60	64	64	61	64	55	42	53	49	67	63	72	73	68	38	40	37	58	54	62	50	43	34	37	....	....	....	55.2
	Minimum	22	38	26	30	41	50	37	28	28	30	23	23	30	46	41	30	35	34	30	29	22	16	43	40	32	30	25	27	....	....	....	31.6
Lost Creek	Maximum	50	50	63	62	55	61	58	60	60	56	38	49	48	62	60	68	68	65	33	32	31	54	49	58	48	40	29	35	....	....	....	51.5
	Minimum	21	36	21	28	36	54	50	24	25	28	21	20	25	45	39	26	35	33	26	24	20	9	35	35	27	27	22	25	....	....	....	29.2
Mannington	Maximum	48	47	63	63	54	64	60	57	56	52	35	46	44	60	58	69	66	61	33	32	32	48	46	51	46	41	30	34	....	....	....	49.9
	Minimum	23	39	24	34	37	50	37	21	25	30	17	20	28	42	39	28	32	33	26	25	21	6	34	34	28	28	24	27	....	....	....	29.1
Morgantown	Maximum	47	48	62	62	50	62	60	56	57	47	34	46	46	59	57	67	65	59	34	32	30	50	49	52	45	41	30	32	....	....	....	49.2
	Minimum	29	38	36	36	36	45	35	24	28	27	19	29	28	44	38	34	49	31	25	24	20	28	35	37	35	26	23	25	....	....	....	31.6
New Cumberland§	Maximum	42	46	55	42	56	60	47	48	50	32	45	35	49	60	41	67	61	33	36	30	30	46	51	49	44	33	31	....	....	....	....	45.1
	Minimum	31	30	27	31	32	36	35	26	26	22	15	18	16	27	35	29	34	32	22	23	20	13	17	32	31	25	24	25	....	....	....	26.2
New Martinsville	Maximum	47	52	64	66	47	64	59	65	59	51	40	51	49	64	65	72	74	65	54	35	34	50	52	58	51	48	34	36	....	....	....	53.8
	Minimum	24	37	25	33	35	41	35	25	27	27	18	22	28	37	37	30	34	25	21	22	18	10	32	32	29	26	23	24	....	....	....	27.8
Parkersburg	Maximum	48	52	65	53	60	62	50	55	55	40	39	49	44	66	52	71	68	52	32	32	37	49	54	56	50	35	31	37	....	....	....	49.8
	Minimum	29	36	33	36	40	45	36	31	32	29	19	28	33	44	39	38	44	25	24	26	23	22	40	40	32	30	27	29	....	....	....	32.5
Parsons	Maximum	50	46	45	48	47	48	38	46	46	36	36	36	44	54	54	54	64	64	48	48	30	32	49	51	41	30	29	30	....	....	....	44.8
	Minimum	30	26	28	36	40	38	28	33	33	28	22	21	31	40	36	26	29	33	34	29	21	20	39	31	30	26	24	20	....	....	....	29.7
Philippi	Maximum	47	48	62	62	54	54	60	57	59	53	35	51	54	61	61	67	66	63	40	....	34	55	56	55	51	44	45	35	....	....	....	52.9
	Minimum	25	36	32	35	39	38	34	28	31	29	20	25	43	49	38	33	44	33	19	....	24	25	42	33	34	27	23	20	....	....	....	31.8
Pickens	Maximum	43	14	56	52	54	54	47	52	59	39	35	43	47	55	47	61	61	55	35	32	28	42	51	42	42	30	24	28	....	....	....	45.0
	Minimum	17	26	22	30	34	45	28	25	26	25	18	24	28	40	34	26	33	29	27	20	15	21	27	27	26	21	13	17	....	....	....	25.9
Terra Alta	Maximum	42	42	56	56	43	55	53	53	56	47	32	42	38	52	49	63	60	56	35	24	25	49	46	48	45	40	22	25	....	....	....	44.8
	Minimum	25	33	25	33	32	33	30	24	23	28	17	25	25	30	33	24	41	35	23	19	15	23	39	33	39	22	17	20	....	....	....	27.4
Wellsburg	Maximum	43	47	59	60	43	61	52	49	50	47	39	46	42	60	58	68	62	58	36	35	30	46	49	50	43	43	32	36	....	....	....	48.0
	Minimum	25	38	24	33	32	42	35	23	26	29	12	22	21	35	36	28	31	29	23	25	20	8	34	29	28	27	25	28	....	....	....	27.5
Weston	Maximum	50	50	55	54	54	55	60	55	59	45	40	44	55	60	60	70	65	65	50	45	30	53	50	56	56	45	42	35	....	....	....	52.1
	Minimum	25	40	25	25	33	38	38	25	29	28	21	24	39	45	42	40	35	38	29	29	21	19	40	40	33	31	26	24	....	....	....	31.5
Wheeling§	Maximum	44	52	60	52	58	62	55	52	53	35	41	52	52	63	47	71	66	40	32	32	40	48	50	53	44	30	32	....	....	....	....	48.7
	Minimum	28	24	27	30	32	36	32	25	26	29	16	18	26	29	32	30	32	34	20	15	18	19	15	31	31	24	22	23	....	....	....	25.9
Southern Division																																	
Bluefield	Maximum	53	55	62	60	60	....	58	55	53	57	48	51	....	61	60	67	69	68	69	....	34	....	58	61	55	46	....	38	....	....	....	56.4
	Minimum	24	40	36	42	48	....	41	37	39	35	28	36	....	42	44	39	44	54	44	....	24	....	30	38	34	28	....	22	....	....	....	36.9
Charleston	Maximum	54	56	67	67	64	67	67	59	65	39	45	47	59	69	61	73	76	54	34	34	37	55	57	63	52	45	34	36	....	....	....	54.9
	Minimum	26	27	36	34	34	45	41	32	32	32	30	29	32	39	45	35	44	44	28	28	27	27	30	43	37	32	24	26	....	....	....	33.5
Gary §	Maximum	57	58	68	67	66	64	58	60	65	45	51	55	52	68	61	71	75	65	37	39	38	52	61	64	50	43	34	35	....	....	....	55.7
	Minimum	24	24	31	37	40	49	42	36	38	37	32	31	36	46	42	31	34	46	33	32	27	26	27	41	31	31	27	27	....	....	....	34.2
Huntington §	Maximum	48	51	65	55	62	65	50	52	57	38	41	46	58	66	56	70	70	46	32	32	39	50	54	60	51	45	34	35	....	....	....	51.0
	Minimum	27	27	32	37	37	45	38	32	32	32	26	26	32	37	42	38	46	45	25	28	26	27	32	38	38	33	28	29	....	....	....	33.4
Lewisburg	Maximum	47	50	60	61	55	60	58	52	56	53	43	51	45	60	59	65	66	64	62	36	35	42	59	60	57	46	38	30	....	....	....	52.5
	Minimum	31	38	25	38	39	38	36	30	30	29	27	25	39	37	42	27	38	44	32	16	23	17	35	30	29	27	20	24	....	....	....	30.9
Marlinton	Maximum	44	46	58	56	42	58	54	46	56	48	40	48	40	56	48	60	62	62	46	36	32	42	44	52	40	34	28	28	....	....	....	46.6
	Minimum	20	28	20	34	36	40	30	24	26	26	24	22	36	34	32	22	40	34	30	24	20	14	34	24	26	26	18	22	....	....	....	27.4
Point Pleasant	Maximum	53	53	65	62	62	65	60	60	60	50	47	50	41	67	62	70	72	64	45	34	44	50	50	59	54	40	40	37	....	....	....	54.1
	Minimum	25	40	40	30	40	52	31	30	50	30	18	25	31	40	40	40	37	24	19	20	30	25	35	36	35	30	20	22	....	....	....	32.0
Ravenswood	Maximum	48	52	65	65	62	65	58	58	57	56	40	50	51	66	64	70	70	69	33	31	38	50	54	60	58	40	34	38	....	....	....	53.8
	Minimum	26	35	28	30	41	52	32	28	29	31	18	25	31	43	41	36	36	31	25	26	23	22	40	38	35	31	26	28	....	....	....	31.7
Robertsburg§	Maximum	50	55	65	60	62	65	55	59	55	36	42	52	57	68	59	70	75	42	34	32	40	50	53	60	50	44	33	36	....	....	....	52.1
	Minimum	22	24	27	29	31	42	31	28	26	29	19	19	29	35	38	33	36	37	24	25	25	22	26	36	32	31	23	25	....	....	....	28.7
Ryan	Maximum	50	55	63	60	58	62	56	55	65	40	39	45	54	64	58	69	70	60	32	34	37	46	50	59	46	38	32	33	....	....	....	51.1
	Minimum	18	38	23	26	39	45	33	25	24	26	17	29	28	45	34	27	30	31	31	23	28	18	39	38	28	28	23	23	....	....	....	28.8
Spencer §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Sutton	Maximum	50	52	63	63	59	63	71	71	60	60	38	49	56	64	64	70	71	71	47	39	37	54	54	52	50	44	34	34	....	....	....	55.0
	Minimum	22	29	26	32	36	42	38	29	28	29	27	23	32	37	32	34	36	35	32	26	24	20	35	34	32	20	20	27	....	....	....	29.9
Union	Maximum	49	53	64	65	62	....	60	53	55	60	47	52	....	61	63	68	70	72	70	....	40	47	56	61	61	47	....	41	....	....	....	57.4
	Minimum	20	39	26	36	41	....	37	32	30	31	29	26	....	38	45	30	43	48	34	....	24	21	39	32	30	28	....	22	....	....	....	32.5
White Sulphur Spgs§	Maximum	55	63	65	46	61	60	53	58	54	56	58	45	65	62	71	71	72	39	39	39	50	60	69	50	46	34	35	....	....	....	....	54.7
	Minimum	35	21	30	39	38	35	26	32	29	28	27	34	38	35	23	29	39	35	28	25	17	22	33	28	28	22	23	19	....	....	....	29.2
Williamson §	Maximum	48	52	68	62	58	67	69	61	62	60	59	58	59	71	75	67	79	64	35	34	39	49	65	58	56	51	46	38	....	....	....	57.5
	Minimum	28	29	30	31	40	40	38	39	36	36	32	33	35	39	42	43	46	42	29	30	28	29	34	44	41	36	33	29	....	....	....	35.4

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 4-8-27—810)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION.

HENRY C. HOWE, Meteorologist

Vol. XXXV   Parkersburg, W. Va., March, 1927   No. 3

GENERAL SUMMARY

The past month was decidedly warmer than usual, being in marked contrast to March, 1926. One of the longest and warmest periods of March State record prevailed from near the close of the first decade into the last decade, causing a rapid advancement of vegetation and fruit buds. Moderately cold weather during the last decade checked bud development and growth, the outlook for fruit being favorable at the close of the month. It was the dryest March since 1915, although the precipitation was quite favorably distributed and generally sufficient for all needs. The rivers were at low or moderate stages. Plowing advanced rapidly during the month, the soil being generally free from excessive moisture.

TEMPERATURE

The monthly mean for the State, determined from 48 stations, was 45.4°. The departure from the normal for 41 stations having ten or more years of record was +2.4°. The month opened cold and the temperature continued below the normal until the 9th. The weather was especially warm from the 9th until the 22d. From the 11th to the 20th the daily average was nearly 18° above the normal. From the 22d to the 31st the weather was favorably cold, the temperature averaging about 5° below the normal.

PRECIPITATION

The average precipitation for the State, determined from 82 stations, was 2.66 inches. The departure from the normal for 57 stations having ten or more years of record was —1.24 inches. The precipitation was heaviest over the central and northern counties and lightest over the extreme eastern counties. The greater part of precipitation was received on the 6-8th, 14th, 8th-21st, 26-27th, and 31st, the greatest amounts being measured on the 14th, 20th, and 21st. Snow fell on the 1st-2d, 21st-2d, and 27-28th, the heaviest falls in most regions being measured on the 2d.

HAIL

Light to heavy hail fell in sections of the following counties n dates given: Berkeley, Gilmer, Lewis, Monongalia, and ocahontas, 19th. Preston. 8th and 26th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 20th; Bancroft, 7th, 15th, 20th, 24th, nd 28th; Brownsville, 16th, 20th, and 25th; Cairo, 25th; harleston, 15th and 25th; Elkins, 16th and 20th; Fairmont, th, 16th, and 20th; Glenville, 16th and 25th; Huntington, 15th; Marlinton, 11th, 16th, 17th, and 20th; Morgantown, 16th; Parkersburg, 7th.

Halos, lunar: Clarksburg, 14th; Parkersburg, 11th and 13th; Pickens, 12th; Terra Alta, 13th and 14th.

Sleet: Marlinton, 6th; Stony River Dam, 27th.

Thunderstorms (dates and number of stations reporting): 8th, 1; 17th, 1; 18th, 7; 19th, 18; 20th, 11; 26th, 3.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.12	81	62	65	176.3	48	6,267	8.4	40	se.	13
Columbus, Ohio	30.12	80	66	68	138.4	37	7,862	10.6	41	nw.	26
Elkins	30.15	85	60	66	146.4	39	4,622	6.2	35	nw.	8
Lexington, Ky	30.13	85	76	....	129.1	35	10,128	13.6	40	w.	7
Parkersburg	30.14	77	58	62	119.9	32	4,676	6.3	33	nw.	26
Pittsburgh, Pa	30.13	76	64	64	153.7	41	8,859	11.9	44	w.	26
Wytheville, Va	30.12	82	59	65	193.0	52	5,097	6.9	33	w.	26

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	34.9	.....	.....	4.91	.....	.....	.....	.....	.....	.....	.....
1892	36.4	87	8	3.50	.....	.....	.....	.....	.....	.....	.....
1893	40.7	84	3	1.49	2.89	0.89	5.2	9	8	8	15
1894	45.8	88	1	1.94	3.05	0.75	1.9	8	15	9	7
1895	39.6	90	0	3.05	4.75	0.89	7.9	11	11	9	11
1896	36.1	76	−10	4.45	8.40	1.76	.....	13	10	8	13
1897	46.1	81	12	3.60	6.52	1.33	.....	12	9	10	12
1898	48.5	86	9	5.13	10.05	1.25	T.	12	8	9	14
1899	42.5	76	0	5.82	8.48	2.40	4.5	13	7	9	15
1900	38.5	78	− 5	3.79	6.48	2.18	14.7	12	7	9	15
1901	42.9	83	−11	3.23	5.27	0.90	2.3	12	8	8	15
1902	43.4	80	− 5	4.30	6.29	3.00	15.0	11	10	9	12
1903	51.3	87	13	4.47	6.59	2.70	0.2	11	10	9	12
1904	43.8	86	7	4.12	6.10	1.38	1.9	11	9	8	14
1905	46.6	88	− 2	4.10	6.46	1.45	0.7	10	14	7	10
1906	37.3	75	− 7	4.77	8.11	1.98	13.4	14	7	6	18
1907	49.6	94	2	4.77	8.18	1.05	4.2	12	12	8	11
1908	47.8	89	15	6.04	8.60	1.23	1.1	13	11	8	12
1909	40.8	83	10	3.38	8.66	1.10	4.7	13	9	10	12
1910	49.5	90	5	0.55	2.25	0.04	1.1	4	18	9	4
1911	40.5	90	− 5	3.30	7.86	1.12	5.2	12	11	8	12
1912	39.9	80	6	5.02	9.36	1.78	5.1	15	8	7	16
1913	45.7	89	− 3	4.53	7.90	1.77	2.7	12	11	9	11
1914	37.3	83	−13	3.03	7.11	0.89	17.7	12	10	8	13
1915	34.4	63	7	1.61	4.32	0.53	6.7	8	12	7	12
1916	38.5	88	− 4	4.88	9.88	2.49	9.0	13	11	7	13
1917	41.9	85	− 3	6.58	14.20	3.10	11.6	14	14	4	13
1918	46.5	85	9	4.26	9.37	1.55	0.1	9	16	5	10
1919	44.5	81	12	2.92	4.81	1.60	0.8	9	16	6	9
1920	42.8	83	− 5	3.38	8.87	1.40	3.1	9	17	5	9
1921	52.7	90	10	2.84	5.75	0.63	T.	10	14	8	9
1922	45.0	85	0	5.33	8.19	1.40	3.3	15	10	5	16
1923	41.7	82	− 4	3.23	5.50	0.88	3.2	10	15	5	11
1924	38.9	83	4	4.16	7.86	1.60	9.9	11	10	7	14
1925	43.6	82	−12	3.25	6.59	1.00	2.2	11	12	6	13
1926	35.9	75	− 9	2.87	9.82	0.35	10.0	13	10	7	14
1927	45.4	89	5	2.66	4.97	0.20	1.0	9	11	6	14
1891-1927	42.6	94	−13	3.82	14.20	0.04	5.2	11	11	8	12

Climatological Data for March, 1927

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard^{g}	Grant	2,375	26	39.0	+1.3	....	....	9	5	59	....	....	....	11.0	....	11	3	10	sw.	U. G. Clark
Brandywine	Pendleton	1,586	11	43.7	+1.3	76	21	15	2	44	0.80	-2.08	0.35	0	5	13	1	17	s.	Elmer Keister
Burlington	Mineral	875	33	....	....	81^{s}	15†	....	....	....	....	....	....	....	....	....	....	....	....	Mrs. Louie Bumphrey
Harpers Ferry	Jefferson	244	38	....	....	....	....	....	....	....	1.12	-1.06	0.60	0	6	....	....	....	....	J. C. Newcomer
Martinsburg	Berkeley	435	35	44.3^{a}	+3.0	83^{a}	17	15	5	48^{a}	1.60	-1.70	1.05	0	8	24	4	3	nw.	Dr. H. S. Gardner
Moorefield	Hardy	900	31	46.9	+3.0	80	16	15	5	49	1.27	-1.40	0.52	0	6	28	0	2	....	M. S. Henkel
Piedmont	Mineral	1,053	14	45.1	+2.8	80	17	19	5	43	1.46	-1.54	0.82	0	6	11	6	14	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	29	44.8^{e}	+2.2	85^{e}	17	15^{e}	5	51^{j}	1.50	-1.60	1.02	0	3	7^{a}	9^{a}	14^{a}	....	George E. Bergdoll
Stony River Dam	Grant	3,300	7	....	....	....	....	....	....	....	2.06	....	0.51	1.5	11	5	5	21	w.	A. C. Becker
Upper Tract	Pendleton	1,230	28	46.0^{c}	+3.1	80^{c}	17	16^{c}	1	44^{c}	0.20	-2.34	0.10	0	2	17	0	14	....	J. M. Mallow
Averages and	extremes	....	....	44.3	+2.4	85	17	9	5	59	1.25	-1.67	1.05	1.4	6	15	4	12	nw	
Northern Division																				
Aberdeen	Upshur	1,060	3	....	....	....	....	....	....	....	2.25	....	0.57	0.5	11	8	12	11	nw.	L. Else Bond
Bens Run	Pleasants	652	25	47.0	+3.8	78	12	21	5	50	3.17	-0.97	0.85	0	10	8	11	12	....	J. D. Riggs
Benson	Harrison	1,080	4	45.5	....	77	17	12	5	47	3.32	....	0.92	0	11	10	10	11	....	R. D Marts
Brownsville	Lewis	1,032	4	47.3	....	79	17	14	5	47	2.13	....	0.60	T.	12	11	9	11	....	George M. Myers
Bruceton Mills	Preston	1,549	7	....	....	....	....	....	....	....	3.83	+0.42	1.25	2.0	11	5	9	17	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	30	45.2	+3.6	76	20	17	5	38	3.10	-1.42	0.70	T.	8	13	6	12	....	H. A. Darnall
Cairo	Ritchie	680	28	45.6	+0.3	77	12†	14	5	46	2.94	-1.21	0.89	T.	8	10	7	14	....	O C. Hess
Clarksburg	Harrison	1,015	5	44.8	....	77	12†	14	5	45	2.55	....	0.82	0	10	11	4	16	nw.	Clarksburg Water Board
Cortland	Tucker	3,300	16	....	....	....	....	....	....	....	3.63	-0.52	1.00	1.0	8	8	14	9	....	G. W. Harmon
Crawford	Lewis	1,107	4	....	....	....	....	....	....	....	2.88	....	0.64	T.	11	10	13	8	w.	George W. Blair
Creston	Wirt	640	25	47.5	+3.3	77	12†	23	29	44	2.79	-1.23	0.76	T.	8	9	0	22	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	6	....	....	....	....	....	....	....	2.56	....	0.84	0	13	....	....	....	....	Lockmaster
Dam 12 O. R.	Ohio	660	11	....	....	....	....	....	....	....	3.78	+0.49	1.01	0	10	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	11	....	....	....	....	....	....	....	3.37	+0.36	0.80	0	12	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	6	....	....	....	....	....	....	....	2.39	....	0.61	0	12	....	....	....	....	Lockmaster
Davis	Tucker	3,098	18	....	....	....	....	....	....	....	3.62	-0.69	0.85	0.9	14	9	4	18	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	15	....	....	....	....	....	....	....	3.15	-0.93	0.93	0	7	....	....	....	....	Lockmaster
Elkins	Randolph	1,947	26	43.7	+3.7	75	20	14	5	41	2.81	-1.26	0.74	T.	12	6	4	21	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	2	....	....	....	....	....	....	....	3.93	....	0.85	0.5	15	2	10	19	s.	Claude A. Cunningham
Fairmont	Marion	883	21	46.0	+4.0	81	12†	18	5	51	2.55	-1.39	1.05	T.	6	15	5	11	w.	J. C. Robinson
Glenville	Gilmer	738	33	48.0	+3.7	81	17	16	5	47	2.05	-2.19	0.62	T.	8	10	7	14	w.	Howard R. Brannon
Horner	Lewis	1,044	4	....	....	....	....	....	....	....	2.29	....	0.67	0	11	15	4	12	....	Thomas E. Miles
Horton	Randolph	2,840	2	....	....	....	....	....	....	....	1.84	....	0.58	T.	7	11	0	20	sw.	J. W. White
Janelew (near)	Lewis	1,020	4	46.6	....	79	17†	18	1	48	2.00	....	0.50	0	8	14	4	13	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	29	44.9	+2.2	77	12†	12	5	50	2.46	-1.63	0.81	T.	8	9	5	17	w.	Allen Smith
Mannington	Marion	985	24	44.6	+1.7	76	17	15	5	42	2.78	-0.97	0.62	0	11	9	7	15	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	34	44.6^{b}	+2.6	76^{b}	13†	19^{b}	2†	45^{b}	2.32	-1.27	0.86	0	7	3	12	16	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	29	41.4^{a}	+1.4	75^{a}	12†	14	4	43^{a}	3.75	+0.39	1.10	0.4	13	6	3	22	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	33	45.6	+2.0	79	12	15	4	47	4.00	+0.35	1.40	T.	9	10	5	16	s.	Wm. Ankrom
Parkersburg	Wood	638	40	47.0	+4.2	76	12	23	4	38	3.10	-0.72	0.96	T.	13	8	2	21	se.	U. S. Weather Bureau
Parsons^{j}	Tucker	1,649	27	46.7	+6.8	76	17	....	....	43	....	....	....	....	....	6	4	11	....	J. W. Swisher
Parsons No. 2	Tucker	....	1	....	....	....	....	....	....	....	3.05	....	0.74	1.0	11	11	8	12	....	Robert T. Deem
Philippi ††	Barbour	1,550	30	45.8^{g}	+3.3	76^{g}	18	18^{g}	3	36^{h}	2.31	+1.89	1.13	T.	7	8	6	17	w.	Prof Elwyn F. Chase
Pickens	Randolph	2,697	24	40.1	+0.4	76	17	5	1	39	4.97	-0.81	1.17	1.0	10	11	7	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	4	....	....	....	....	....	....	....	2.55	....	0.84	0	10	11	7	13	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	40	....	....	....	....	....	....	....	3.23	-1.07	0.82	....	13	....	....	....	....	Walter H. Bolyard
Saint Marys	Pleasants	577	18	....	....	....	....	....	....	....	3.43	-0.19	0.98	0	10	....	....	....	sw.	Wm. Hughes
Smithfield	Wetzel	850	21	45.5	+3.9	79	12†	8	5	50	2.95	-1.02	1.38	0	11	8	9	14	....	Everett V. Price
Terra Alta	Preston	2,559	26	40.6	+1.6	71	13†	13	5	40	3.88	-0.94	0.93	0.9	13	5	5	21	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	4	48.3	....	89	18	20	3†	46	2.88	....	0.70	0	8	16	1	14	w.	J. C. Campbell
Vandalia	Lewis	1,120	4	....	....	....	....	....	....	....	1.63	....	0.80	0	7	....	....	....	....	Miss Phyllis West
Wellsburg	Brooke	668	26	43.6	+4.4	78	13	14	4	43	4.26	+1.04	1.00	0	11	8	9	14	w.	George P. Pfister
West Milford	Harrison	979	2	....	....	....	....	....	....	....	2.79	....	0.85	0	6	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	32	47.2^{d}	+3.4	79^{d}	17	19^{d}	5	45^{d}	2.10	-2.37	0.70	T.	8	7	22	2	....	Weston State Hospital
Wheeling	Ohio	645	40	43.5	+2.3	80	17	14	4†	48	3.59	+0.49	0.80	T.	11	9	9	13	w.	Miss M. B Forsyth
Woodlands	Marshall	....	....	....	....	....	....	....	....	....	3.72	....	0.93	0	10	14	7	10	sw.	R. W. Rist
Averages and	extremes	....	....	45.2	+3.0	89	18	5	1	51	3.01	-0.71	1.40	1.9	10	9	7	15	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	....	....	....	....	....	....	....	....	1.47	....	0.53	0.5	9	9	9	13	w.	H. S. Sutton
Bancroft	Putnam	574	23	45.6	+1.1	79	20	18	4	42	1.67	-2.27	0.50	1.0	9	15	0	16	ne.	R. E. Dent
Bluefield^{d}	Mercer	2,558	32	45.4	+1.1	75	19†	19	4†	37	1.70	-1.96	0.48	6.0	9	15	2	10	....	Norfolk & Western R
Camden-on-Gauley	Webster	2,029	12	....	....	....	....	....	....	....	2.14	-2.31	0.90	....	3	....	....	....	....	Miss Katie Jarvis
Charleston	Kanawha	600	24	47.6	-0.9	82	17	20	4†	45	2.54	-1.88	0.76	1.5	10	9	0	22	....	R O Fields
Clay	Clay	706	13	....	....	....	....	....	....	....	2.68	-1.15	1.19	0.7	8	....	....	....	....	Ted Thomas
Dam 6 G. K.	Kanawha	598	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	11	....	....	....	....	....	....	....	3.26	-0.74	1.00	....	8	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	11	....	....	....	....	....	....	....	3.47	-0.45	1.20	....	10	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	11	....	....	....	....	....	....	....	3.13	-1.28	1.20	0	9	....	....	....	....	U. S. Engineer Office
Gary	McDowell	1,426	11	46.8	....	80	19†	18	4†	43	2.25	-1.29	0.72	3.0	11	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	30	47.8^{h}	+3.6	76^{h}	18†	20^{a}	5	40^{h}	1.78	-2.27	0.48	1.0	10	5^{a}	3^{a}	22^{a}	....	Mrs J. R. Baber
Huntington	Cabell	538	31	46.5	+1.9	75	12†	22	4†	37	3.40	-0.93	1.18	1.0	9	10	5	16	....	L. H. Hutchinson
Kanawha Falls	Fayette	618	8	....	....	....	....	....	....	....	2.76	....	0.67	0	9	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,336	11	....	....	....	....	....	....	....	3.23	-2.33	0.79	8.0	11	....	....	....	....	Cabin Creek Con. Coal
Kermit	Mingo	579	1	....	....	....	....	....	....	....	2.71	....	0.75	1.0	9	....	....	....	....	E. B. Kirk
Lewisburg	Greenbrier	2,250	27	44.4	+2.4	74	17†	14	5	39	2.75	-1.21	0.40	13.0	9	10	5	16	nw.	Geo. T. Argabrite
Logan	Logan	700	24	....	....	....	....	....	....	....	3.16	-2.09	0.80	0	6	....	....	....	....	J. R. Wampler
Marlinton	Pocahontas	2,131	28	41.2	+2.6	72	20	10	5	42	2.83	-1.53	0.82	1.0	10	7	11	13	sw.	S. L. Brown
Organ Cave	Greenbrier	....	1	....	....	....	....	....	....	....	1.25	....	0.60	2.5	7	5	5	21	w.	J. J Hedrick
Point Pleasant^{a}	Mason	595	34	46.9	+1.5	80	12	20	3†	44	3.59	-0.56	1.12	0	8	14	2	14	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	12	47.8^{h}	....	75	17	....	....	48^{h}	3.68	-0.73	1.15	0	8	8	0	23	nw.	Lockmaster
Robertsburg	Putnam	570	27	45.1	+0.5	79	12	14	4	45	2.62	-1.41	0.93	0	9	14	0	17	....	M. Frazier
Ryan ††	Roane	700	24	44.3	+0.4	75	12†	11	4	46	2.22	-2.10	0.55	0.1	13	11	3	17	....	Wm. E. Ryan
Sharples	Logan	....	7	....	....	....	....	....	....	....	3.04	....	0.89	3.5	5	....	....	....	....	R. W Howard
Sissonville	Kanawha	625	....	....	....	....	....	....	....	....	1.43	....	0.82	0	2	....	....	....	....	J. N Johnson
Spencer	Roane	789	23	45.0	+2.1	78	12	14	4†	46	1.76	-2.18	0.66	0	7	4	13	14	....	A. M. McKown
Sutton	Braxton	850	21	46.4	+0.8	81	17†	15	5	44	3.04	-0.99	1.12	T.	9	22	0	9	....	C. B. Eakle
Union^{d}	Monroe	2,250	23	45.9	-2.9	78	18	16	5	41	1.48	-2.26	0.35	4.4	9	7	12	8	....	W. M. H. Young
Wayne	Wayne	598	....	....	....	....	....	....	....	....	3.14	....	1.00	3.5	9	....	....	....	....	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	17	45.5^{a}	+0.8	80^{a}	18	11	4	47^{a}	1.21	-3.91	0.25	2.5	10	17	14	0	....	H. E. Green
Williamson	Mingo	673	27	49.3	+2.5	81	16†	27	3	42	2.98	-1.62	0.80	2.0	7	15	0	16	sw.	A. J. Maynard
Averages and	extremes	....	....	46.1	+1.6	82	17	10	5	48	2.54	-1.74	1.20	2.1	8	11	5	15	sw.	
State averages and	extremes	....	....	45.4	+2.4	89	18	5	1	59	2.66	-1.24	1.40	1.0	9	11	6	14	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are use determining section or division means.

† Also on other dates.

†† Received too late to be included in means and summaries

Reference letters, a, b, c appearing in the table indicate number of missing days; for example, b represents two days, etc.

Daily Precipitation for March, 1927

Stations	Drainage-basin	Day of month																															[illegible]
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac		T.				.03	1.08	.67	.06																							+++
Brandywine	do						.15	T.		T.					.35					.05	.16	T					.10					T	0.80
Burlington	do																																
Harpers Ferry	do						.04								.31					.11	.60	.05	.01										1.12
Inwood	do																																
Martinsburg‖	do						.04		.11						.05	.08				T	1.05	.10	.12					.05					1.60
Moorefield	do						.13		.03						.20					.52	.25	.14											1.27
Piedmont	do								.01						.01					.82	.42	.19					.01						1.46
Romney‖	do													.25						1.02			.23										1.50
Stony River Dam‖	do						.10	.08	.45						.15					.10	.51	.12	.23		.04			.20	.08				2.06
Upper Tract	do								T.						.10							.10					T						0.20
Northern Division																																	
Aberdeen	Monongahela						.14	.04	.53						.47				.04	.13	.42	.31	T.		T.		.05	.02	.10			T	2.25
Bens Run	Ohio						.10	.12	.14						.85				.30	.80	.31	.48					.05			.02			3.17
Benson	Monongahela						.19	.03	.73						.47				.03	.42	.92	.48	.02				.02	.01			T.	T	3.32
Brownsville	do						.13	.03	.60						.46				.06	.17	.26	.36	.02		T.		.01	.01				.02	2.13
Bruceton Mills	do			T.			.32	T.	.70						.40				.07	1.25	.15	.36	T.		T.	T.	.26	.06	.16	.10	T.		3.83
Buckhannon	do						.33	.10	.65						.60					.70	.14	.38	T.		T.		T.	T.				.20	3.10
Cairo	Little Kanawha			T.			T.	.22	.46						.89			T.	.24	.66	.13	.29	T.		T.		T.	T.			T.	.05	2.94
Clarksburg‖	Monongahela						.12	.04	.82						.42				T.	.03	.64	.34	.09				.01	.04				T.	2.55
Cortland‖	do						.40	.80							.40					1.00		.08						.25	.30		.40		3.63
Crawford	Little Kanawha						.13	.17	.64						.56				.05	.51	.34	.27					.04	.04				.13	2.88
Creston‖	Monongahela	T.					.10		.76						.61					.20	.47	.45	.15	T.			T.	T.	T.			.05	2.79
Dam 10, Mon. R.‖	Ohio						.12	.03	.39	.02					.44				.01	.09	.84	.42	.03				.02	.11	.04	T			2.56
Dam 12, O. R.‖	do						.09	T.	.51						.46				.22	.67	1.01	.67	.03				.01	.11	T.				3.78
Dam 13, O. R.‖	Monongahela						.12	.02	.28						.55				.45	.45	.80	.55	.02				.03	.07	.03				3.37
Dam 15, Mon. R.‖	do	T.					.06	.04	.61						.43					.06	.53	.37	.08				.03	.11	.03			.04	2.39
Davis‖	do	T.	T.	.04			.32	.21	.85	.01					.35					.12	.67	.18	.48	.03				.20	.04			.12	3.62
Elizabeth (D'm 3 L K)	Little Kanawha						.12		.93						.93					.18	.66	.30	.03										3.15
Elkins***	Monongahela		T.	T.		T.	.13	.30	.38	T.					.53				.07	.74	.12	.34	T.		T.		.08	.05	.03		T.	.04	2.81
Evenwood	do	.09	.01				.38	.09	.85	T.					.56				.05		.63	.29	.49	T.			.10	.08	.06		.02	.23	3.93
Fairmont‖	do						T.	T.	.65											.06	.65	1.05	T.	T.			.04	.10	T.				2.55
Glenville‖	Little Kanawha			T.			.06		.62						.42					.12	.44	.21	.14						.04		T.	T.	2.05
Horner	Monongahela						.10	.06	.67						.46				.12	.10	.22			.31			.10	.12				.03	2.29
Horton	do						.38	T	.58						.33				T.	.04	.17	.30	T.				.04	T.					1.84
Janelew (near)	do						.15		.50						.20				.10	.25	.35	.35					.10						2.00
Lost Creek	do						.15	.05	.76										.03	.67	.49	.27	T.		T.		.04	T.	T.		T.		2.46
Mannington	do						.14	.08	.49						.50				.14	.36	.26	.62				.06	.09	.04	T.		T.		2.78
Morgantown	do						.17	T.	.27						.40				T.	.86	.17	.30	T				.15						2.32
New Cumberland‖	Ohio						.06	.02	.25						.58	T			.24	.23	1.00	1.10	.06			.07	.05	.04	.05			T.	3.75
New Martinsville	do						.20	.10	.40						.75				.35	1.40	.25	.45	T.					.10					4.00
Parkersburg***	do			T.		.01	.02	.34	.13					.25	.71			T.	.39	.63	.32	.26	T.		.01		.01	T.			T.	.02	3.10
Parsons	Monongahela														3.40					*	*	*					1.75				T.		+++
Parsons No. 2	do	T.		T.	T.		.10	.10	.74						.43					.13	.73	.22	.42				.01	.12	.05			T.	3.05
Philippi	do	T.	T.	T.			.62								.28					1.13			T.		.02		.15	.06	.05	T.			2.31
Pickens	do	.08					.50	.32	1.17	T.					.83				.18	.55	.52	.72	T.				.10	T.				T	4.97
Roanoke	do						.07	.15	.84						.50				.04	.15	.55	.21	T.					.02				.02	2.55
Rowlesburg‖	do	.04					.09	.28	.82						.37	.04				.06	.74	.20	.34				T.	.21	.02			.02	3.23
Saint Marys‖	Ohio						.08		.48						.98				.04	.46	.63	.67	.04					.03				.02	3.43
Smithfield‖	Fishing Creek						.22	.03	.64						.07				.03	.11	1.38	.21					.23	.03					2.95
Terra Alta	Monongahela			.05			.30	.02	.93	T.					.56				.05	.59	.38	.60	.06	T.	.02	T.	.26	T.	.06		T.	T.	3.88
Valley Chapel	do						.20	.02	.70						.46					.50	.50	.40					.10						2.88
Vandalia	do						.10	.05											.15	.80	.35			.08						.10			1.63
Wellsburg	Ohio						.06	.07	.46						.48				1.00	.83	.54	.50					.12	T.	.06		.14		4.26
West Milford	Monongahela						.23	.80											.40		.85	.42						.09					2.79
Weston	do						.15			.70							T.			.15	.40	.30	.10					.20				.10	2.10
Wheeling‖	Ohio	T.					.12	T.	.52						.46				.32	.54	.80	.65	.05	T.			.01	.11	.01	T.		T.	3.59
Woodlands‖	do						.10		.28						.80				.26	.40	.93	.70	.05					.12	.08				3.72
Southern Division																																	
Arbovale	Great Kanawha		T.	T.			.13	.20	.40	.04					.53					.02	.04	.07	T.	T.	.04	T.		T.	T.				1.47
Bancroft‖	do		.08				.05		.24						.50	.10				.10		.20	.05									.35	1.67
Beckley	do																																
Bluefield	do	T.	.48					.16	.14	.13												.34		.07	.06						.03	.30	1.70
Camden-on-Gauley‖	do															.80					.44											.90	2.14
Charleston‖	do		.08				.10		.76		.04				.54					.16	.24	.12	.12									.38	2.54
Clay‖	do		.07				.14		1.19						.40					.15	.40					.02						.31	2.68
Dam 6 G. K.‖	do																																
Dam 19 O. R.‖	Ohio				T.		.02		.37						1.00				.05	.40	.66	.74	.02	T.			T.	T.				T.	3.26
Dam 20 O. R.‖	do						.03	T.	.70							1.20			.05	.45	.27	.66	.08				.01					.02	3.47
Dam 26 O. R.‖	do						.04		.75						1.20				.05	.20	.37	.25	.05									.22	3.13
arv‖	Big Sandy	.13	.24		.23		.16		.47						.72						.02		.10		.11	.02						.05	2.25
inton‖	do		.22	.01			.10		.48		.04				.42							.07	.12		.09							.23	1.78
untington‖	Ohio		.12				.06		.42		.16				1.18					.40		.28	.04	T.								.74	3.40
anawha Falls‖	Great Kanawha		.37				.15		.67						.65					.27		.15	.05			.15						.30	2.76
ayford‖	do	.01	.65	T.	T.		.10		.79						.79					.01	.10	T.	.14	T.	.16	.05						.43	3.23
ermit‖	Big Sandy		.10				.25		.75		.12				.60					.25	.02	.12										.50	2.71
wisburg	Great Kanawha		.32				.39	.11	.27						.36					T.		.29		.32	.40							.29	2.75
ogan‖	Guyandotte		.53				.15		.80						.72						.20											.76	3.16
arlinton	Great Kanawha	.08	T.	T.			.35	.47		.33					.48				.08	.36	T	.16		.12	T.		T.	T.				.40	2.83
gan Cave	do		.20				.02	.10	.08						.10								.15		T.							.60	1.25
oint Pleasant‖	Ohio						.10		1.10						1.12				T.	.20	.50	.32	.13				T.	T.				.12	3.59
venswood (Dam 22	do						.05	T.	1.05						1.15					.20	.75	.35	.08									.05	3.68
bertsburg‖	Great Kanawha						.06		.80						.93					.12	.03	.30	.09			.02						.27	2.62
an	do		.01	T.			.06	.25	.50	.01					.55				.04	.21	.05	.23	T.	.02	.04		T.	T.				.25	2.22
arples‖	Coal River		.35						.89						.86				T.			.40				T.						.54	3.04
sonville‖	Great Kanawha						T.			.82					.61																		1.43
encer‖	do	T.					.13		.66						.58				.04	T.	.06	.16	.13				T.						1.76
tton	do						.24	1.12							.66				.14	.10	.25	.35	T.									.18	3.04
ion	do		.24					.35	.16		.05											.15	.12	.04	.08							.29	1.48
yne‖	Big Sandy		.27				.08		.77		.11				1.00					.26	.01	.06										.58	3.14
ite Sulpr. Spgs.‖	Great Kanawha	.25				.05		.10		.05				.10						.05		.10		.09							.25	.17	1.21
lliamson‖	Big Sandy		.15	T.			.30		.78						.80					.20		.05	T.		T.							.70	2.98

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete.

Daily Temperatures for March, 1927

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	33	33	28	34	51	49	57	52	46	60	69	70	79	74	83	....	....	....	....	....	....	....	32	50	53	62	75	72	53	58	66	55.8
	Minimum	17	11	14	14	9	28	30	34	25	20	23	26	20	22	25	....	....	....	....	....	....	....	24	25	25	25	25	23	23	21	23	22.2
Brandywine	Maximum	35	32	34	37	40	50	53	53	54	56	56	60	62	64	58	74	75	74	75	75	76	65	37	37	50	57	57	54	50	55	55	55.2
	Minimum	18	15	17	18	20	35	30	29	28	34	31	35	47	45	30	30	35	43	48	47	60	35	32	31	30	29	36	25	22	26	37	32.2
Burlington	Maximum	41	36	38	....	....	....	....	....	....	....	68	71	78	76	81	80	81	79	71	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	31	28	20	....	....	....	....	....	....	....	51	60	55	51	50	56	54	42	40	....	....	....	....	....	....	....	....	....	....	....	....	....
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Martinsburg§	Maximum	36	38	36	45	61	52	58	56	51	60	66	67	74	62	67	76	83	76	72	59	61	45	46	43	55	52	46	52	52	52	....	56.6
	Minimum	22	22	22	21	15	20	39	40	33	23	23	29	36	30	44	32	35	36	50	48	48	38	32	31	29	30	35	36	30	29	35	32.0
Moorfield	Maximum	41	40	38	48	62	58	59	61	51	67	72	74	76	72	68	80	73	67	58	58	57	57	45	50	58	62	58	50	65	60	65	59.7
	Minimum	23	23	23	22	15	36	35	45	31	26	27	34	38	49	42	31	*35	48	50	51	52	35	20	32	29	33	39	33	28	28	45	34.1
Piedmont	Maximum	33	39	30	41	55	50	56	52	49	59	68	69	73	61	65	75	80	73	63	53	67	55	41	38	52	56	42	46	55	52	65	55.3
	Minimum	25	22	21	22	19	37	37	40	31	26	29	33	43	45	44	32	37	52	52	48	51	34	31	31	31	35	36	36	30	30	42	34.9
Romney	Maximum	35	35	33	44	60	....	59	51	65	65	....	73	73	67	64	80	85	....	72	68	65	43	39	41	55	45	49	56	....	66	....	57.2
	Minimum	23	21	21	21	15	28	....	37	31	....	24	....	33	37	45	29	35	50	....	48	51	34	32	31	26	32	32	35	30	....	38	32.3
Upper Tract	Maximum	38	38	36	44	58	....	56	55	48	68	71	66	68	65	66	75	80	....	76	76	78	70	55	39	60	58	56	....	55	60	59	59.8
	Minimum	16	20	20	17	20	....	34	41	28	29	29	37	45	45	33	31	38	....	47	46	40	32	32	32	30	34	35	....	26	26	41	32.3
Northern Division																																	
Bens Run	Maximum	35	36	36	44	71	49	54	54	45	66	74	78	77	69	61	75	75	68	65	74	63	47	45	51	55	56	44	48	54	54	62	57.6
	Minimum	25	25	22	28	21	38	31	39	31	29	35	42	54	45	44	35	41	50	51	50	46	34	35	37	31	43	36	35	27	32	40	36.5
Buckhannon	Maximum	34	32	31	37	52	49	55	54	45	61	70	73	74	65	60	70	75	73	70	76	64	50	44	48	50	59	42	45	49	52	56	55.3
	Minimum	19	23	21	23	17	33	36	40	28	35	32	40	48	45	43	33	40	51	42	52	50	33	33	32	34	38	35	34	26	30	44	35.2
Cairo	Maximum	36	37	37	45	56	51	53	54	46	67	74	77	75	65	63	76	77	70	70	76	61	46	45	51	57	58	43	50	55	52	60	57.5
	Minimum	21	25	18	15	14	39	32	38	26	26	31	38	49	45	41	30	36	50	50	52	46	33	34	34	27	40	36	32	21	27	41	33.8
Clarksburg§	Maximum	34	34	33	44	55	49	56	49	45	69	76	77	76	48	63	76	77	69	69	76	66	36	44	50	54	56	40	47	54	51	59	55.9
	Minimum	22	24	21	22	14	22	35	37	28	29	31	32	43	47	43	32	35	42	52	52	54	34	34	35	33	37	35	32	23	28	38	33.7
Creston	Maximum	37	36	38	48	57	57	55	51	48	69	74	77	76	75	66	76	77	72	75	77	63	49	46	52	57	60	46	51	58	56	57	59.2
	Minimum	27	26	27	26	28	39	33	40	28	32	33	40	56	41	37	32	38	51	51	52	48	35	34	32	28	40	36	29	23	29	39	35.8
Elkins	Maximum	35	30	28	38	52	48	55	53	47	65	69	68	69	61	63	72	74	68	70	75	66	37	39	44	48	56	36	42	50	50	55	53.6
	Minimum	14	21	18	20	14	36	37	36	29	31	32	50	55	41	38	31	36	49	50	52	37	29	31	34	33	33	31	32	25	28	44	33.8
Fairmont§	Maximum	38	34	34	41	58	48	54	58	46	70	80	81	80	49	65	77	81	79	69	75	64	37	43	49	59	59	40	52	58	50	65	57.8
	Minimum	26	22	21	20	18	23	37	38	29	27	29	31	50	49	43	32	33	43	52	51	52	32	33	34	34	36	35	34	25	30	40	34.2
Glenville	Maximum	40	39	37	48	59	55	57	56	52	71	77	77	76	74	69	80	81	76	80	78	76	50	48	55	59	63	53	52	59	60	63	61.9
	Minimum	20	18	20	20	16	39	34	41	29	35	32	40	50	45	43	33	37	39	52	55	49	34	35	32	28	29	35	32	23	28	32	34.0
Lost Creek	Maximum	35	33	33	44	55	50	54	53	44	70	75	77	76	67	65	76	77	70	67	75	64	47	45	48	55	57	43	47	55	55	60	57.2
	Minimum	20	21	20	21	12	35	31	39	25	25	27	35	49	44	40	29	35	49	49	50	47	32	32	30	29	35	34	31	20	25	40	32.6
Mannington	Maximum	32	34	33	39	52	50	52	54	46	61	70	74	75	71	58	72	76	73	66	75	64	51	42	48	52	57	45	47	50	50	61	55.8
	Minimum	22	23	20	17	15	33	32	40	27	25	28	36	44	44	43	30	36	50	49	52	50	33	34	33	33	37	35	33	23	27	34	33.5
Morgantown	Maximum	31	32	30	38	52	49	54	55	45	62	68	74	76	70	57	71	76	70	....	74	64	48	40	46	50	54	43	45	50	48	59	51.4
	Minimum	24	19	20	19	22	37	36	38	29	29	23	42	....	43	42	32	50	57	....	50	48	31	32	36	36	40	33	33	26	37	43	34.7
New Cumberland§	Maximum	33	34	30	41	51	46	55	44	46	62	70	75	75	47	55	70	74	65	51	60	59	38	42	46	53	52	42	43	51	53	....	52.1
	Minimum	23	19	19	14	18	24	32	34	25	25	27	32	34	44	42	33	33	38	42	43	42	34	29	31	31	32	34	30	24	26	38	30.7
New Martinsville	Maximum	35	36	34	44	55	50	54	55	46	68	76	79	78	71	64	78	76	72	66	75	64	48	44	54	56	57	46	49	56	55	62	58.2
	Minimum	22	21	16	15	16	35	29	38	25	25	29	40	48	43	41	32	37	47	48	48	43	32	32	35	30	40	34	33	23	27	35	32.9
Parkersburg	Maximum	34	36	35	45	55	51	55	55	43	66	71	76	75	57	62	75	75	69	71	75	60	39	45	50	56	58	42	48	54	55	59	56.4
	Minimum	24	25	23	23	23	44	33	38	32	32	40	51	57	45	45	37	47	54	52	50	37	35	35	37	34	40	34	34	28	35	45	37.7
Parsons	Maximum	....	....	....	....	....	....	....	....	....	....	64	65	70	50	66	71	76	68	63	73	60	50	43	45	53	50	45	47	53	49	53	58.0
	Minimum	....	....	....	....	....	....	....	....	....	....	30	30	30	36	30	31	50	49	48	50	47	33	31	30	33	34	30	30	25	27	40	35.4
Philippi	Maximum	33	32	30	....	56	....	....	....	60	64	75	74	73	66	71	73	75	76	....	....	....	53	55	47	50	55	52	44	52	50	60	56.9
	Minimum	22	20	18	24	....	....	....	....	27	30	40	49	56	42	35	38	50	51	....	....	....	30	32	32	34	39	32	32	25	30	46	34.8
Pickens	Maximum	30	35	31	38	51	42	50	50	42	66	66	65	65	56	64	71	76	67	68	71	44	38	37	42	46	52	34	38	51	45	49	51.0
	Minimum	5	15	11	13	14	32	29	30	24	32	36	45	49	40	35	32	41	41	43	43	37	23	25	24	28	29	25	25	20	25	34	29.2
Terra Alta	Maximum	32	29	25	35	49	44	52	50	44	59	67	69	71	66	59	68	71	68	61	69	59	49	32	33	46	49	40	37	47	45	57	51.0
	Minimum	17	17	14	14	13	32	33	34	26	27	29	36	48	37	37	28	35	44	49	50	49	26	27	28	28	29	29	29	23	26	26	30.3
Wellsburg	Maximum	35	36	32	41	50	48	51	47	46	63	72	75	78	70	55	72	75	68	61	61	60	46	41	47	53	54	44	44	51	54	60	54.5
	Minimum	24	21	17	14	16	35	31	37	25	24	29	38	48	44	43	30	34	43	45	45	45	35	31	36	32	38	35	33	23	31	36	32.8
Weston	Maximum	35	38	39	40	50	55	55	50	49	65	68	70	70	70	68	75	79	79	70	70	68	60	....	....	....	....	40	48	52	55	60	38.4
	Minimum	25	24	21	22	19	40	34	40	29	36	31	35	45	36	40	43	34	45	48	54	52	35	....	....	....	....	35	36	25	42	43	35.9
Wheeling§	Maximum	35	40	34	48	55	47	55	47	50	68	77	79	75	50	62	79	80	69	61	62	60	40	42	50	60	57	42	48	57	55	65	56.4
	Minimum	25	19	17	14	14	20	30	32	26	24	30	32	41	48	40	32	32	40	47	45	46	30	30	30	30	30	31	32	23	23	37	30.6
Southern Division																																	
Bluefield	Maximum	32	32	31	42	46	....	56	58	50	59	64	63	....	61	69	72	74	73	75	....	75	59	39	38	53	57	....	60	56	55	55	55.7
	Minimum	24	23	20	19	21	....	19	39	33	36	41	50	....	45	33	43	47	54	53	....	48	29	27	33	33	41	....	28	26	40	46	35.
Charleston	Maximum	43	36	38	49	60	57	58	57	51	70	73	78	74	55	70	81	82	72	77	79	66	39	48	53	60	65	42	51	60	61	61	60.
	Minimum	25	25	26	20	20	24	31	34	32	32	35	38	44	50	35	37	37	44	52	52	55	36	35	34	31	32	38	31	25	25	43	34.
Gary§	Maximum	39	32	32	46	58	62	57	55	53	65	70	71	69	54	72	76	79	74	80	80	73	40	47	46	57	74	46	52	59	56	60	59.
	Minimum	27	27	25	18	18	19	34	35	33	35	36	36	48	51	33	33	38	41	49	48	54	34	32	35	33	34	37	27	26	30	43	34.
Huntington§	Maximum	38	38	40	43	55	53	56	54	47	62	68	75	72	54	63	73	74	69	75	75	60	40	46	53	57	60	45	50	55	58	60	57.
	Minimum	28	26	25	22	22	22	33	32	34	32	32	40	50	47	35	36	40	50	56	52	52	37	34	35	34	35	39	34	28	30	45	36.
Lewisburg	Maximum	37	35	32	41	52	55	51	55	49	61	64	63	63	61	65	71	74	70	74	74	70	57	39	38	52	63	55	48	54	54	56	55.
	Minimum	22	22	19	19	14	35	34	38	28	36	32	46	47	45	29	32	36	45	46	45	52	30	28	33	29	35	33	24	22	29	37	33.
Marlinton	Maximum	28	34	26	36	52	50	50	50	44	58	60	60	60	56	64	68	70	64	68	72	64	58	36	34	48	54	49	48	50	50	54	52.
	Minimum	14	22	18	18	10	32	28	36	28	34	26	30	42	40	28	26	30	40	44	44	46	28	28	28	28	30	32	34	30	32	32	30.
Point Pleasant	Maximum	40	35	40	45	59	54	56	55	55	47	70	80	75	70	66	79	75	70	69	75	65	56	49	55	61	49	52	52	53	59	....	57.
	Minimum	25	25	20	20	20	40	30	40	30	32	35	45	55	41	35	35	42	50	48	48	45	35	31	35	31	30	35	35	23	30	....	33.
Ravenswood	Maximum	37	38	37	44	56	55	54	56	54	67	71	74	73	71	65	74	75	71	74	74	66	48	47	58	58	59	48	49	57	56	59	58.
	Minimum	....	....	....	....	....	....	....	....	28	19	30	42	50	36	25	35	44	51	52	50	46	36	35	35	35	46	36	28	24	31	31	36.
Robertsburg§	Maximum	38	38	38	50	60	55	56	44	44	70	72	79	73	56	72	78	76	71	75	76	61	40	45	56	60	60	42	50	61	60	60	58.
	Minimum	26	24	20	14	15	16	27	33	29	27	29	37	42	45	32	33	34	44	51	46	53	34	34	31	28	29	35	27	22	24	40	31.
Ryan	Maximum	37	37	34	44	55	52	53	53	44	60	70	75	75	65	60	75	75	67	75	67	60	45	44	53	65	60	41	50	58	55	58	56.
	Minimum	18	23	16	11	12	36	26	36	25	28	33	40	53	43	29	29	36	50	50	46	45	32	32	28	24	41	36	25	19	26	36	31.
Spencer§	Maximum	37	31	36	46	57	53	55	58	59	67	72	78	75	55	60	76	69	69	66	59	51	34	42	53	58	62	56	47	50	50	57	56.
	Minimum	20	23	18	14	14	46	31	33	31	25	41	40	58	43	34	30	38	55	50	48	50	31	32	30	25	45	33	31	20	28	34	33.
Sutton	Maximum	36	36	35	44	57	57	55	55	50	69	70	72	73	73	66	77	81	81	74	74	68	54	45	49	58	58	57	61	56	56	57	59.
	Minimum	21	26	23	22	15	38	34	35	30	33	31	40	41	41	43	33	39	44	48	47	40	29	30	32	29	36	34	25	23	34	35	33.
Union	Maximum	37	38	35	45	52	....	58	56	54	59	65	65	....	65	69	75	77	78	77	....	77	70	40	40	57	61	....	60	58	60	57	58.
	Minimum	22	23	21	19	16	....	32	40	32	36	36	47	....	49	30	34	39	44	47	....	44	32	30	32	31	36	....	19	22	32	43	33.
White Sulphur Spgs§	Maximum	39	36	46	56	57	57	54	45	63	66	70	65	60	70	74	78	76	80	79	71	39	40	41	58	63	50	52	59	59	60	....	58.
	Minimum	24	19	18	11	26	32	40	29	33	33	42	48	50	27	27	34	40	44	43	43	32	30	33	27	32	34	22	33	26	31	46	32.
Williamson§	Maximum	43	41	39	42	51	65	58	59	61	65	65	68	72	58	78	81	79	81	80	72	70	48	49	54	61	58	56		63	65	61	61.
	Minimum	31	29	27	28	29	31	34	39	36	37	39	38	40	44	38	39	44	45	45	46	42	36	35	36	40	42	38		34	37	42	37.

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 5-9-27—810)

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXV   Parkersburg, W. Va., April, 1927   No. 4

GENERAL SUMMARY

The past month, with an average precipitation of 5.93 inches, was the wettest April of State record, except in 1901, when the April average was 7.05 inches. Moderate rain was more or less general on twenty days, the daily amounts being excessive in only a few localities. Flood stages were not noted in the larger streams and rivers. The temperature averaged practically normal, but unusually low temperature and killing frosts occurred during the last decade, following high temperatures near the close of the second decade. Owing to nearly continuous rains, the soil was too wet for farm operations and farm work was late at the close of the month. Killing frosts and freezing temperatures on the mornings of the 23d, 24th, and 25th caused great damage to peach and apple bloom. The damage to stone fruits was especially severe.

HIGH WIND

On the 29th a high wind in Pocahontas County in and near Marlinton caused considerable damage. Roofs were blown off several houses and many trees were blown down. It was a straight blow from the west.

TEMPERATURE

The monthly mean for the State, determined from 50 stations, was 52.0°. The departure from the normal for 42 stations having ten or more years of record was +0.3°. The temperature was considerably above the normal on the 1st, and from the 4th to the 6th and the 15th to the 21st, the highest readings being noted on the 18-19th, ranging generally from 80° to 89°. Moderately cold weather prevailed from the 7th to the 11th, and decidedly cold weather for the time of year from the 22d to the 26th.

PRECIPITATION

The average precipitation for the State, determined from 85 stations, was 5.93 inches. The departure from the normal for 57 stations having ten or more years of record was +2.27 inches. The heaviest precipitation was received over the central and southern counties, and the lightest over the northern counties. Most of the precipitation was measured from the 1st to the 6th, and on the 8-9th, 13th, 16-17th, 26-27th, and 29-30th, the greatest amounts being noted on the 1st, 9th, 21st-22d, and 29-30th. Light snow fell in many sections on the 2-3d, 8th, and 22-23d.

LIGHT HAIL

Light hail fell in sections of the following counties on dates indicated: Hancock, 1st; Greenbrier, 2d; Brooke, 5th and 20th; Pocahontas, 19th and 27th; Logan, 20th; McDowell and Monongalia, 21st; Grant, Harrison and Pleasants, 22d; Randolph, 27th; Braxton, 29th; Roane, 30th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 17th; Bancroft, 6th, 17th, and 28th; Brandywine, 2d and 30th; Fairmont, 6th; Hinton, 20th; Morgantown, 6th; Parkersburg, 17th; Terra Alta, 3d.

Frost, killing: Killing frost occurred generally throughout the state on the mornings of the 23d, 24th, and 25th.

Sleet: Arbovale, 9th; Cortland, 3d, 9th, and 21st; Horton, 9th and 27th; Lost Creek, 22d; Stony River Dam, 1st; Terra Alta, 9th; Wheeling, 6th.

Thunderstorms (dates and number of stations reporting): 1st, 7; 2d, 2; 4th, 1; 5th, 1; 8th, 1; 16th, 3; 19th, 9; 20th, 3; 21st, 8; 22d, 2; 27th, 11; 29th, 15; 30th, 11.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind		Max. velocity		
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement, miles	Average hourly velocity	Miles per hour	Direction	Date
Cincinnati, Ohio	30.05	78	63	65	221.1	56	6,612	9.0	31	n.	29
Columbus, Ohio	30.07	75	64	65	184.0	46	8,639	12.1	44	nw.	21
Elkins	30.08	78	57	66	182.8	46	4,206	5.8	32	w.	27
Lexington, Ky	30.04	84	71	....	156.7	40	10,436	14.5	60	nw.	29
Parkersburg	30.08	73	55	59	207.3	52	4,303	6.0	36	sw.	1
Pittsburgh, Pa	30.09	69	56	54	225.3	56	8,631	12.0	42	nw.	6
Wytheville, Va	30.06	78	64	71	207.0	52	5,823	8.1	36	w.	27

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	.....	.....	2.81	.....	.....	.....	.....	.....	.....	.....
1892	50.6	87	17	4.28	.....	.....	.....	7	.....	.....	.....
1893	53.4	92	20	5.18	8.98	2.91	0.8	14	8	8	14
1894	50.6	90	14	3.32	5 30	1.97	1.6	11	12	8	10
1895	52.9	90	17	2.93	5.47	0.90	.....	9	11	9	10
1896	57.7	95	12	2.06	4.35	0.82	.....	8	13	12	5
1897	51.5	90	19	2.97	7.10	1.58	.....	9	11	10	9
1898	48.0	86	2	3.14	4.86	1.40	.....	11	10	9	11
1899	53.4	93	18	1.84	3.17	0.92	0.5	7	13	9	8
1900	51.8	88	16	1.35	2.08	0.43	T.	8	14	7	9
1901	47.5	95	18	7.05	10.70	2.50	6.0	12	10	4	16
1902	49.8	96	21	3.06	4.57	1.53	10.0	7	10	10	10
1903	51.3	91	8	4.47	7.30	2.29	0.4	11	11	8	11
1904	47.7	82	12	3.15	5.71	1.12	1.3	12	9	9	12
1905	52.2	89	14	2.78	5.57	1.10	1.5	11	11	9	10
1906	54.1	92	15	3.16	6.59	0.57	0.3	8	15	8	7
1907	45.6	92	10	3.49	6.66	1.42	6.1	12	8	8	14
1908	54.8	92	18	4.30	8.02	0.77	0.3	11	13	8	9
1909	53.0	93	10	5.04	8.57	1.70	2.4	13	10	11	9
1910	53.2	91	16	3.39	9.07	1.63	0.6	11	10	8	12
1911	49.5	88	6	4.29	7.00	0.83	1.5	14	9	8	13
1912	55.4	88	20	4.03	8.00	1.09	0.2	10	11	10	9
1913	52.4	92	12	2.99	5.48	1.61	0.1	10	14	6	10
1914	52.1	93	16	4.63	10.05	1.29	0.1	11	10	9	11
1915	55.5	101	10	1.93	5.69	0.10	T.	7	15	8	7
1916	50.5	90	17	3.07	5.70	1.25	4.3	12	9	7	14
1917	51.7	90	10	2.99	5.31	1.29	1.8	9	13	8	9
1918	50.3	85	18	5.11	9.14	1.88	10.4	15	9	7	14
1919	51.8	90	10	2.44	4.21	1.03	0.2	9	12	8	10
1920	49.7	91	15	4.91	7.26	1.64	1.2	14	8	7	15
1921	55.7	95	10	2.50	5.09	0.40	0.4	9	13	7	10
1922	54.4	91	15	3.15	6.76	0.50	0.1	9	13	7	10
1923	50.1	88	− 4	3.45	4.88	1.00	0.1	8	16	5	9
1924	50.5	88	12	3.24	6.37	0.72	3.6	12	12	6	12
1925	54.9	101	6	2.89	4.48	1.42	0.6	10	14	6	10
1926	47.1	87	8	2.44	5.54	0.80	2.5	10	10	8	12
1927	52.0	91	16	5.93	10.21	2.52	0.2	15	9	7	14
1891–1927	51.7	101	− 4	3.50	10.70	0.10	1.9	10	11	8	11

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., April, 1927

See temperature and precipitation data in Climatological Tables, Pages 14, 15, and 16

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation	.037	.132	.043	.022	.148	.090	.230	.151	.020	.021	.180	.125	.170	.020	.185	.055	.103	.134	.121	.206	.102	.259	.077	.043	.090	.128	.101	.179	.171	.021	....	3.364
	Wind movement	74	56	158	40	89	62	110	90	74	101	112	48	81	93	90	19	53	23	27	57	51	99	62	48	51	40	110	110	41	83	....	*2,152

*For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for April, 1927

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	26	....	....	....	....	....	....	....	....	....	....	2.0	....	8	0	22	nw.	U. G. Clark
Brandywine	Pendleton	1,586	11	47.2	−2.6	81	20	21	25	37	8.20	+5.56	1.65	T.	15	9	1	20	n.	Elmer Keister
Harpers Ferry	Jefferson	244	38	....	....	....	....	....	....	....	4.15	+1.16	1.24	T.	15	....	....	....	....	J. C. Newcomer
Inwood	Berkeley	569	5	47.6^{a}	....	85^{a}	20	25	14	43^{a}	5.67	....	0.95	2.0	19	16	0	14	nw.	L. E. Dills
Martinsburg	Berkeley	435	35	48.5^{a}	−3.0	87^{a}	20	26	12	49^{a}	4.72	+1.68	1.00	T.	16	17	7	6	nw.	Dr. H. S. Gardner
Moorefield	Hardy	900	31	53.2	−1.6	91	20	24	11	54	5.82	+2.27	1.03	T.	14	21	3	6	....	M. S. Henkel
Piedmont	Mineral	1,053	14	49.6	−1.5	84	20	27	11†	45	6.31	+3.29	1.36	0.8	14	11	4	15	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	29	49.8^{f}	−0.8	85^{f}	18†	25^{e}	25	51^{i}	2.52	−0.50	0.68	0	6	11	7	12	....	George E. Bergdoll
Stony River Dam	Grant	3,300	7	....	....	....	....	....	....	....	5.21	....	0.97	3.5	14	4	12	14	w.	A. C. Becker
Upper Tract	Pendleton	1,230	28	49.7	−1.2	84	20	23	25	48	5.98	+3.51	2.00	0	12	6	1	23	....	J. M. Mallow
Averages and	extremes	....	....	49.4	−1.8	91	20	21	25	54	5.40	+2.42	2.00	0.8	14	11	4	15	nw	
Northern Division																				
Aberdeen	Upshur	1,060	3	....	....	....	....	....	....	....	6.08	....	1.22	0.1	17	3	15	12	w.	L. Else Bond
Bens Run	Pleasants	652	25	53.6	+1.4	85	19	29	11	42	4.70	+0.62	1.23	T.	12	7	14	9	....	J. D. Riggs
Benson	Harrison	1,080	4	52.8	....	85	18†	20	11†	45	5.79	....	1.39	T.	17	4	20	6	....	R. D. Marts
Brownsville	Lewis	1,032	4	54.0	....	87	19	22	25	48	7.02	....	1.18	T.	18	8	13	9	....	George M. Myers
Bruceton Mills	Preston	1,549	7	....	....	....	....	....	....	....	5.97	+2.27	1.04	T.	14	3	12	15	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	30	50.0	−1.1	82	20	25	11	36	7.50	+3.24	1.20	T.	13	12	5	13	....	H. A. Darnall
Cairo	Ritchie	680	28	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	O. C. Hess
Clarksburg	Harrison	1,015	5	51.0	....	84	18†	22	25	44	4.85	....	1.34	0	15	9	8	13	ne.	Clarksburg Water Board
Cortland	Tucker	3,300	16	....	....	....	....	....	....	....	10.21	+6.69	1.65	1.0	15	2	16	12	....	G. W. Harmon
Crawford	Lewis	1,107	4	....	....	....	....	....	....	....	7.34	....	1.59	T.	14	8	13	9	w.	George W. Blair
Creston	Wirt	640	25	55.1	+2.1	88	19	24	25	43	5.85	+1.84	1.53	T.	14	6	2	22	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	6	....	....	....	....	....	....	....	4.33	....	1.13	0	12	....	....	....	....	Lockmaster
Dam 12 O. R.	Ohio	660	11	....	....	....	....	....	....	....	3.75	+0.73	0.78	0	17	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	11	....	....	....	....	....	....	....	3.90	+0.89	0.80	0	21	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	6	....	....	....	....	....	....	....	4.65	....	1.18	0	16	....	....	....	....	Lockmaster
Davis	Tucker	3,093	18	....	....	....	....	....	....	....	6.03	+2.06	1.10	0.3	16	5	8	17	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	15	....	....	....	....	....	....	....	5.01	+1.39	1.53	0	12	....	....	....	....	Lockmaster
Elkins	Randolph	1,947	26	49.2	+0.4	82	19	22	25	43	7.25	+3.96	1.77	0	16	4	10	16	n.	U. S. Weather Bureau
Evenwood	Randolph	3,240	2	....	....	....	....	....	....	....	7.22	....	1.09	0.5	17	0	13	17	s.	Claude A. Cunningham
Fairmont	Marion	883	21	52.2	+0.4	87	19	24	23	49	2.95	−0.39	1.10	T.	12	16	3	11	w.	J. C. Robinson
Glenville	Gilmer	738	33	55.0	+1.6	88	19	22	11	47	6.53	+2.79	1.45	T.	16	9	12	9	w.	Howard R. Brannon
Horton	Randolph	2,840	2	....	....	....	....	....	....	....	7.00	....	1.21	T.	18	10	0	20	w.	J. W. White
Janelew (near)	Lewis	1,020	4	53.4	....	87	19	21	11†	50	6.40	....	1.30	0	11	12	7	11	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	29	51.7	+1.5	83	18†	21	11†	49	5.46	+2.10	1.30	T.	13	7	8	15	w.	Allen Smith
Mannington	Marion	985	24	51.4	+0.2	84	19	23	11†	45	5.44	+1.47	0.98	T.	18	8	7	15	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	34	52.8	+1.6	84	19	25	11	41	4.32	+1.10	0.90	T.	11	7^{a}	11^{a}	11^{a}	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	29	48.5^{a}	−0.8	85^{a}	19	27	11†	42^{a}	3.94	+0.58	0.92	T.	20	8	3	19	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	33	52.6	−0.4	86	19	24	11†	46	4.60	+1.01	1.10	T.	11	13	5	12	n.	Wm. Ankrom
Parkersburg	Wood	638	40	53.2	−0.2	86	19	31	25	39	4.47	+1.56	1.15	T.	18	9	6	15	nw	U. S. Weather Bureau
Parsons	Tucker	1,649	27	48.7	0	83	21	22	11	38	6.67	+2.82	....	T.	13	13	3	14	....	J. W. Swisher
Parsons No. 2	Tucker	....	1	....	....	....	....	....	....	....	6.30	+2.45	1.13	T.	14	9	12	9	....	Robert T. Deem
Philippi	Barbour	1,550	30	52.9^{g}	+1.7	82^{g}	18†	24^{e}	11	41^{g}	6.87	+2.94	1.33	T.	19	10	8	12	w.	Prof. Elwyn F. Chase
Pickens	Randolph	2,697	24	46.7	−1.6	78	20	18	11†	40	10.20	+5.16	1.29	4.0	17	14	6	10	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	4	....	....	....	....	....	....	....	6.96	....	1.23	0	14	5	16	9	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	40	....	....	....	....	....	....	....	6.34	+2.33	1.00	T.	16	....	....	....	....	Walter H. Bolyard
Saint Marys	Pleasants	577	18	....	....	....	....	....	....	....	4.97	+1.07	1.30	T.	16	....	....	....	sw.	Wm. Hughes
Smithfield	Wetzel	850	21	50.4	−0.6	86	20	23	11†	50	4.46	+0.56	1.15	T.	13	10	8	12	....	Everett V. Price
Terra Alta	Preston	2,559	26	46.4	−0.8	79	20	22	23	43	5.59	+1.57	1.28	0.8	17	7	5	18	ne.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	4	53.8	....	86	18†	23	11†	48	5.50	....	1.32	0	17	13	6	11	w.	J. C. Campbell
Vandalia	Lewis	1,120	4	....	....	....	....	....	....	....	4.60	....	1.80	0	13	....	....	....	....	Miss Phyllis West
Wellsburg	Brooke	668	26	51.0	+2.0	85	19	23	11	45	4.32	+1.21	0.70	T.	15	14	9	7	w.	George P. Pfister
West Milford	Harrison	979	2	....	....	....	....	....	....	....	6.14	....	1.50	0	11	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	32	54.2	+1.7	85	18†	26	25	46	6.95	+2.90	1.20	0	11	3	20	7	....	Weston State Hospital
Wheeling	Ohio	645	40	50.4^{a}	−1.7	89^{a}	19	24	11	51^{a}	3.38	+0.25	0.71	0.5	18	10	9	11	ne.	Miss M. B. Forsyth
Woodlands	Marshall	....	....	....	....	....	....	....	....	....	3.93	....	0.96	0	13	15	2	13	sw.	R. W. Rist
Averages and	extremes	....	....	51.6	+0.4	89	19	18	11†	51	5.72	+1.97	1.80	0.2	15	8	9	13	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	....	....	....	....	....	....	....	....	6.85	....	1.30	1.5	16	11	5	14	w.	H. S. Sutton
Bancroft	Putnam	574	23	54.2	+0.7	88	19	26	25	38	6.00	+2.17	1.00	T.	17	13	0	17	ne.	R. E. Dent
Beckley	Raleigh	2,440	27	53.8	+4.1	86	19	24	24	41	....	....	....	0	....	11	9	10	w.	K. E. Williams
Bluefield ^{d}	Mercer	2 558	32	55.0	+1.8	81	19	26	23	35	6.71	+3.33	1.00	0	15	6	9	11	....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	12	....	....	....	....	....	....	....	3.95	+0.42	1.01	0	5	....	....	....	n.	Miss Katie Jarvis
Charleston	Kanawha	600	24	55.4	−1.2	87	19	28	11†	44	6.83	+3.14	1.04	0	19	11	0	19	....	R. O. Fields
Clay	Clay	706	13	....	....	....	....	....	....	....	6.03	+2.69	1.15	0	10	....	....	....	....	Ted Thomas
Dam 6 G. K.	Kanawha	598	....	....	....	....	....	....	....	....	5.81	....	1.03	0	15	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	11	....	....	....	....	....	....	....	4.74	+1.17	1.24	T.	14	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	11	....	....	....	....	....	....	....	5.31	+1.83	1.63	T.	17	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	11	....	....	....	....	....	....	....	5.29	....	1.15	0	15	....	....	....	....	U. S. Engineer Office
Gary	McDowell	1,426	11	55.8	....	85	19	27	24†	37	6.42	+2.90	1.00	0	17	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	30	54.8^{b}	+1.9	86^{a}	20	28^{b}	25	41^{b}	6.24	+2.96	1.44	0	16	5^{b}	6^{b}	17^{b}	....	Mrs J. R. Baber
Huntington	Cabell	538	31	54.3	+0.3	84	19	29	25	36	5.32	+1.71	1.18	0	16	9	2	19	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	8	....	....	....	....	....	....	....	8.02	....	1.40	0	15	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,336	11	....	....	....	....	....	....	....	6.98	....	1.48	T.	18	....	....	....	....	Cabin Creek Con. Coal Co.
Kermit	Mingo	579	1	....	....	....	....	....	....	....	6.67	....	1.40	0	15	....	....	....	....	E. B. Kirk
Lewisburg	Greenbrier	2,250	27	51.6	+1.5	81	19†	23	23†	42	6.64	+3.20	1.41	0	18	14	7	9	nw.	Geo. T. Argabrite
Logan	Logan	700	24	....	....	....	....	....	....	....	7.96	+3.16	1.63	0	14	....	....	....	....	J. R. Wampler
Marlinton	Pocahontas	2,131	28	46.8	−0.3	76	19†	16	25	44	7.84	+4.50	1.43	0.5	18	3	17	10	sw.	S. L. Brown
Organ Cave	Greenbrier	....	1	....	....	....	....	....	....	....	7.95	....	0.95	T.	18	10	7	13	w.	J. J. Hedrick
Point Pleasant	Mason	595	34	53.8	−1.1	88	19	26	24	40	6.42	+3.14	1.92	T.	17	6	0	24	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	12	53.0	....	85	19	19	23	45	5.19	....	1.70	T.	13	6	0	24	ne.	Lockmaster
Robertsburg	Putnam	570	27	52.4	−0.5	86	19	24	25	43	5.50	+1.76	1.15	0	18	14	0	16	....	M. Frazier
Ryan	Roane	700	24	51.0	−1.4	85	19	20	25	44	7.06	+3.21	1.10	0	18	6	7	17	....	Wm. E. Ryan
Sharples	Logan	....	7	....	....	....	....	....	....	....	8.05	....	1.42	0	15	....	....	....	....	R. W. Howard
Sissonville	Kanawha	625	....	....	....	....	....	....	....	....	6.11	....	....	0	8	....	....	....	....	J. N. Johnson
Spencer	Roane	789	23	52.7	+0.2	86	18	22	25	46	5.19	+1.56	1.04	T.	12	2	13	15	....	A. M. McKown
Sutton	Braxton	850	21	52.6	−0.5	89	19†	24	25	44	8.30	+4.11	1.35	0	16	13	0	17	....	C. B. Eakle
Union ^{d}	Monroe	2,250	23	55.5	+4.9	84	19†	25	25	40	7.20	+4.31	1.27	0	18	5	10	11	....	W. M. H. Young
Wayne	Wayne	598	....	....	....	....	....	....	....	....	6.50	....	1.42	0	18	....	....	....	....	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	17	52.2^{a}	+1.0	88^{a}	18	20	10	50^{a}	5.55	+1.75	1.18	0	16	16	10	4	....	H. E. Green
Williamson	Mingo	673	27	58.6	+3.6	88	19	36	24	38	6.28	+2.39	1.28	0	13	15	0	15	sw.	A. J. Maynard
Averages and	extremes	....	....	53.5	+0.9	89	19†	16	25	50	6.40	+2.64	1.92	0.1	15	9	6	15	w.	
State averages and	extremes	....	....	52.0	+0.3	91	20	16	25	54	5.93	+2.27	2.00	0.2	15	9	7	14	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for April, 1927

Stations	Drainage-basin	Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac																																
Brandywine	do	1.10	.25		.55		.25		*	1.10				*	.50					1.65	.90	.10	.30	T.					.10	.75	.65		8.20
Burlington	do																																
Harpers Ferry ‖	do	.33	.39	.38	.05		.15			.11	.15				.20			.16			.23	.20	1.24	.29					.20	.07			4.15
Inwood	do	.61	.37	.32	.14	.03	.15	.01		.16	.39			.81				.45			.35	.07	.95	.05				.08	.22	.11	.40		5.67
Martinsburg‖	do	.35	.65	.35	.15	T.	.15	T.		.20	.36				.25						.40	.10	1.00	.09				.05	.25	.02	.35		4.72
Moorefield	do	1.03	.30	.14	.20		.20			.83				.27				.30		.12		.78	.36	T.	T.			.11		.20	.98		5.82
Piedmont	do		1.36	.14	.01	.19				1.09				.34			.08			.61		.46	.30		.02			.25		.20	1.26		6.31
Romney ‖	do	.52	.32	.12																.48									.40	.68			2.52
Stony River Dam‖	do	.97	.22	.08	.08	.10	.58	.08		.32					.52							.08	.92		.12					.19	.95		5.21
Upper Tract	do	1.00	.50	.10	.20		.10			2.00	T.			.10						.40		.10	.08					.10		T	1.30		5.98
Northern Division																																	
Aberdeen	Monongahela	1.20	.14	.10	.25	.01	.25		T.	.72				.18	.02		.05	.21				.08	.94	.01			T.	.38		.32	1.22		6.08
Bens Run	Ohio	1.23	.10			.13				.88				.24			.19				.06	.25	.12				T.	.40		.42	.68		4.70
Benson	Monongahela	1.11	.12	.09	.10	.02	.14			.79	.01			.22	.01			.20				.01	.80	.01	T.			.49		.25	1.39		5.79
Brownsville	do	1.05	.14	.11	.19		.14	T.	.01	.91	.02			.21	.05		.24	.28				.02	.86	.01			T.	.62		.98	1.18		7.02
Bruceton Mills	do	.90	.20	.21	.07	.19		T.	T.	.88				.29		T.	.26			.19		.36	.44	T.	T.		.08	.36		.50	1.04		5.97
Buckhannon	do	.90	.22	T.	.55	.28	.08		T.	1.05				.30			.15					.50	.60	T.	T.		T.	.65		1.02	1.20		7.50
Cairo	Little Kanawha																																
Clarksburg ‖	Monongahela	1.01		.19	.04		.21	.01		.51	.20				.24			.14		.02	.03		.52				T.	.36	.03		1.34		4.85
Cortland ‖	do	1.65	1.25	1.10	.95			.60	.45					.70			.15			.05	.08	.80		.08				.65		1.15	.55		10.21
Crawford	Little Kanawha	.90	.13	.05	.31	.28			.10	1.59				.28			.26					.53	.80	T.	T.			.54		.38	1.16		7.34
Creston ‖	Monongahela	.78	T.	.20	.25		.10		.08	.57	.26			.12	.19			.27					.87	T.				.53		.10	1.53		5.85
Dam 10, Mon. R.‖	Ohio	.85	.11	.02			T.	T		.67	.06				.20			.15		.02			.72					.31	.09		1.13		4.33
Dam 12, O. R.‖	do	.78	.40	.05		.10		.06		.43	.04			.04	.47			.14		T.			.41	.02	.01		T.	.34	.04	.07	.35		3.75
Dam 13, O. R.‖	Monongahela	.80	.20	.10	.01	T.	.02	.06		.55	.05			.09	.30			.17		.01	.02		.33	.02	.02		.02	.40	.01	.22	.50		3.90
Dam 15, Mon. R.‖	do	.87	.28	.08	.05		.13			.52	.12			.03	.21			.09		.12			.55					.32	.07	.02	1.18		4.65
Davis	do	.46	.69	.24	.17		.44	.08		.70	.36				.25						.09	.03	.75	T.	.09			.50	.08		1.10		6.03
Elizabeth (D'm 3 L K)	Little Kanawha	.80		.04	.11					.70	.11			.04	.20			.20		.03			.68					.57			1.53		5.01
Elkins ***	Monongahela	.94	.22	.21	.19	.54	T.		.03	1.29				.37			.09		T.		T.	.39	.34	.09	T.		.12	.44		1.02	.97		7.25
Evenwood	do		.63	.79	.58		.11		.90	.12				.50			.16					.22	.41	.34	.09		.02	.14	.76	1.09	.36		7.22
airmont ‖	do	1.10	.04	.17	.05		.16			.12				.02	.23			.10			.07		.51	T.	T.	T.		.38		T.			2.95
lenville ‖	Little Kanawha	1.04	.04	.20	.18		.28	T.		1.02	.23			.06	.27			.23		T.			.80		.04			.51	.10	.08	1.45		6.53
orner	Monongahela																					.11	1.14	.05				.62		.60	1.49		†††
orton	do	1.00	.05	.16	.27		.40		.05	1.21				.47	.04		.26	.05		.04		.29	.51	T.	.05			.80		.37	.98		7.00
anelew (near)	do	1.30	.20	.20	.25					.80				.20				.35					1.00					.45		.35	1.30		6.40
ost Creek	do	1.30	.10	T.	.07	.05	T.		T.	.78				.28	T.		.06	.04		T.	T.	.13	.59	T.	T.		T.	.46		.40	1.20		5.46
annington	do	.98	.19	.08	.03	.09	T.	.02		.69				.19			.07	.07		.44	.02	.45	.55		T.		.13	.34		.38	.72		5.44
organtown	do	.90	.20	T.	T.	.15				.70				.21			.15					.16	.38	T.			T.	.40		.27	.80		4.32
ew Cumberland‖	Ohio	.48	.92	.07		.12	.04	.07		.40				.10	.18			.14		.03	.04		.43	.02	.02		.06	.15	.27	.10	.30		3.94
ew Martinsville	do	1.10	.10			.10				.70				.30			.20					.30	T.	T			.40	.40		.35	.65		4.60
arkersburg ***	do	1.04	.10	.05	T.	06			.02	.73				.22		.03	.21		.03	.01	.02	.31	T.	.01	T.		.02	.46		.74	.71		4.47
arsons	Monongahela	*	*	*	*	*	2.00		1.17								*					1.10	T.	T.	T.		.90		*	*	1.50		6.67
arsons No. 2	do	.89	.42	.23	.13		.38	.03		.73	.17				.39			.14			T.	T.	1.13		T.			.49	.07		1.10		6.30
ilippi	do	1.25	*	.47	*	.39			*	.95				.28	.11	T	.08	T.		.02	T.	.12	*	.92	T.		.02	.47	.46	*	1.33		6.87
ckens	do	1.00	.58	.21	.56	.82			.14	1.15				.43			.11	.10			.17	.79	.72	.16				1.11		1.00	1.15		10.20
anoke	do	.95	.27	.09		.30	.29	T.	.04	1.23	T.			.25	.03		T.	.29				T.	1.01				T.	.65		.40	1.16		6.96
wlesburg ‖	do	.43	.86	.44	.13		.50	.01		.45	.30			T.	.32			.19			.09		1.00	T.				.20	.51	.02	.89		6.34
int Marys ‖	Ohio	1.30	.04	.12	05		.10			.77	.13			T.	.18	.02		.25		.02	.05	T.	.40	T.	T.		.02	.42			1.10		4.97
ithfield ‖	Fishing Creek	.48	.07				.07			.61				.03	.23			.09		.13	.48		.63	T.			.27	.22			1.15		4.46
rra Alta	Monongahela	.13	.36	.21	.09	.12	.26	.03		.65				.27				.28		.29		.06	.73				.09	.43		.31	1.28		5.59
lley Chapel	do	1.29	.10	.08	.20	.02	.07			.77					.02		.18			.01		.01	.66	.01			.04	.44		.28	1.32		5.50
ndalia	do	.30		.10		.05			.20	.20			.10	.25								.15	.05	.20				.40		.80	1.80		4.60
llsburg	Ohio	.70	.58	.05		.18	T.	.03		.55				.27		T.	.20			.02	.45	.25	T.	.12			.12	.37		.43	T.		4.32
st Milford	Monongahela	1.20	.10			.40				.95				.25				.21		.06		.70						.42		.35	1.50		6.14
ston	do	1.20	.10		.30	.20				.70				.25				.60					1.00	T.	T.	T.	T.	.60		.90	1.10		6.95
eeling ‖	Ohio	.71	.35	.15	.01	T.	T.	.04		.41	.06			.04	.27			.14		.03	T.		.39	.01	.01		.01	.34	T.	.06	.45		3.38
odlands ‖	do	.96	.15	.05	.02					.60				.09	.19			.19			.08		.33		.02			.45			.80		3.93
outhern Division																																	
ovale	Great Kanawha	1.30	.06		.76		.33		.25	.92	.01			.30	.12		.22			.14		.21	.60	T.				.31		.61	.71		6.85
erott ‖	do	.75	.05	.18	.15	.05			.15	.90	.10			.15	.48			.36		.20		.04	1.00	T.	T.			.50		.08	.86		6.00
kley	do																																
efield	do	.74				.39	.15		.40	.80		.19		.48	.40				.38	.55		.07	1.00					.12	.04		1.00		6.71
iden-on-Gauley ‖	do	.80	1.00							.44							.70					1.01											3.95
rleston ‖	do	.98	.04	.25	.22		.26		.10	.96	.22			.04	.52	.06		.40		.42		.18	1.04					.26	.02	.12	.74		6.83
‖	do	.90	.09		.47		.40		.15	1.15					.57								1.10					.52			.68		6.03
6 G K. ‖	do	1.03		.17	.23		.32		.05	98	.15					.47		.40		.31		.04	.65					.34		.07	.60		5.81
19 O. R. ‖	Ohio	1.24	T.	.08	.07	.01	T.		T.	.58	.07			T.	.24	T.		.24		.06	T.	.02	.40		.01		T.	.48		T.	1.24		4.74
20 O. R. ‖	do	1.15	.01	.12	.12	.03	.08		.02	.64	.18			.08	.18			.20		.05		.04	.38	T.	T.			.40	T.		1.63		5.31
26 O. R ‖	do	.92				.05	.03		.07	.80	.06			.13	.36			.23		.12		.20	.25					.82		.10	1.15		5.29
‖	Big Sandy	1.00	.05	.09	.24		.28		.18	1.00	.31				.50	.41		.40		.38		.13	.81					.05		.03	.56		6.42
on ‖	do	1.38	.06		.45		.32		.18	1.20	.30				.50	.06		.46		.05		.17	.62					.23	.05		.21		6.24
tington ‖	Ohio	.82	.04	.04	.32	.04			.30	.88	.14			.16	.24			.32		.28			.68					.12		.02	.92		5.32
awha Falls ‖	Great Kanawha	.70	.41	.50	.35		.50		.10	1.20	.40				.45	.04		.15		.82			1.40					.12			.88		8.02
ford ‖	do	99	.34	.31	.25		.37		.14	.86	.25		T.		.79	.03		.21		.46		.12	1.48	T.				.13	.02	.02	.21		6.98
it ‖	Big Sandy	1.35		.25		.25			.22	.86	.22			.05	.25	.22		.25		.46		.12	1.40							.35	.22		6.67
sburg	Great Kanawha	1.41	.27		.33	.13			.74	.98	.04			.23	.26		.21	.11		.12	.02	.30	.46					.08		.08	.87		6.64
n ‖	Guyandotte	1.27		.09	.27	.15				1.20	.29			.31	.95	T.		.40		.55		.16	1.63					.27			.42		7.96
inton	Great Kanawha	1.19	.24	.68	.04	.28			.40	1.06	.11			.58	.04		.21	.18		.62		.22	.64	T.				.39		.28	.68		7.84
n Cave	do	.40	.50	.30	.60					.70	.80	.30			.40	.30			.30	.40	.95	.65	.35				.25	.15		.20	.40		7.95
Pleasant ‖	Ohio	.80	.07	T.	.38	.05	.03		.02	.80	.06			.24	.36			.18		.10		.10	.53	T	T.			.74		.04	1.92		6.42
nswood (Dam 22	do	.74		.08	.14	T.	T.			.80	.14			.06	.18			.20				.10	.40	T.	T.			.55		.10	1.70		5.19
rtsburg ‖	Great Kanawha	1.01	.03	.10	.19	.05	.06		.05	.71	.07			.17	.38			.23		.08		.09	.58					.53		.02	1.15		5.50
	do	1.10	.17	.04	.48	.14	.02		.22	.66				.55		.01	.36				.01	.57	.26				.01	.74		.91	.81		7.06
les ‖	Coal River	1.22	T.	.20	.15	.35			.21	1.08	.58			.18	.72			.28		.78		.48	1.42					.18		T.	.22		8.05
ville ‖	Great Kanawha		.93							1.49				*	.63					.42			.83					.67			1.14		6.11
er ‖	do	1.00	.09	T.	.38	T.	.08		T.	.64	.18			T.	.48			.16			T.	T.	.45		T.		T.	.64		.05	1.04		5.19
	do	.75	.25	.12	.50	.15	.55		.25	.95			.20		.15	.50						.27	1.35	T.				.65		.36	1.30		8.30
	do	1.27	05		.36		.18		.37	.67		.08		.30	.25	.03			.51	.30	.07	.89	.64					.24		.02	.97		7.20
e ‖	Big Sandy	1.42	.06	.07	.24	.05	.14		.28	.77	.29				.40	.13		.28		.47		.04	1.13					.12		.11	.50		6.50
Sulpr. Spgs. ‖	Great Kanawha	.15	.06	.05		.32		.10	1.18	.18				.55	.04		.30			.18	.69	.55					.10			.45	.65		5.55
mson ‖	Big Sandy	1.28		T.	.21	T.	.18		.30	1.12	.10			.11	.58	.18		.40		.42		T.	.90					T.			.50		6.28

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* Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

. Trace, or less than 0.01 inch. ††† Probably incomplete.

Daily Temperatures for April, 1927

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Brandywine	Maximum	52	52	48	48	48	52	50	48	52	50	50	54	47	54	60	63	68	70	75	81	76	66	45	50	58	65	65	65	65	58	....	57.8
	Minimum	36	37	35	36	37	35	36	28	38	37	22	32	38	42	38	40	42	40	42	50	52	37	24	25	21	40	44	36	38	40	....	36.6
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Inwood	Maximum	41	40	45	40	42	66	51	48	46	53	60	70	60	60	62	72	76	72	74	85	80	46	50	49	59	68	69	62	58	....	....	58.8
	Minimum	36	35	32	34	34	36	39	30	32	28	32	27	34	25	29	36	45	40	46	54	54	42	31	31	27	35	44	39	43	46	....	36.5
Martinsburg§	Maximum	41	47	47	41	43	69	52	52	36	51	62	75	54	56	65	80	78	74	75	87	82	47	51	50	62	70	71	65	60	....	....	60.1
	Minimum	35	34	37	34	34	36	39	31	32	28	29	26	36	31	32	40	40	43	48	52	57	44	30	33	30	35	41	38	39	44	....	36.9
Moorfield	Maximum	64	52	48	47	64	70	71	53	45	55	67	82	80	65	70	82	79	81	85	91	88	71	54	50	63	73	77	68	67	60	....	67.4
	Minimum	39	39	34	38	39	40	39	29	34	34	24	28	45	40	32	42	45	43	61	61	58	42	27	29	25	37	46	36	40	46	....	39.1
Piedmont	Maximum	53	52	39	37	47	66	60	50	43	54	61	74	66	62	64	74	78	77	76	84	81	71	58	46	57	66	70	62	57	54	....	61.3
	Minimum	35	35	32	35	36	47	34	29	32	31	27	29	44	36	32	44	46	44	57	56	55	39	28	31	27	34	44	34	39	44	....	37.9
Romney	Maximum	45	40	40	....	68	67	51	52	....	54	61	78	64	66	77	67	80	85	76	85	71	42	50	50	....	....	....	69	57	....	....	62.3
	Minimum	34	37	32	35	....	36	37	27	30	....	27	27	38	37	31	43	43	48	56	56	56	36	30	31	25	....	....	....	33	45	....	37.2
Upper Tract	Maximum	59	52	51	42	60	63	63	61	54	52	58	75	68	65	62	71	79	80	81	84	82	62	45	42	59	60	70	65	61	56	....	62.7
	Minimum	36	34	33	34	38	37	37	37	29	31	32	27	34	40	34	38	42	42	60	60	54	39	25	27	23	25	38	32	39	44	....	36.7
Northern Division																																	
Bens Run	Maximum	76	72	46	70	68	68	65	52	50	56	61	73	66	65	69	77	77	83	85	80	79	59	44	51	59	69	72	66	58	62	....	65.9
	Minimum	42	38	37	40	49	37	37	35	42	35	29	31	45	34	44	49	47	47	58	62	54	39	30	31	30	40	48	35	45	46	....	41.2
Buckhannon	Maximum	67	67	45	59	56	58	43	43	44	44	48	65	46	62	59	76	72	80	80	82	80	63	40	45	55	60	71	62	58	55	....	59.5
	Minimum	45	37	35	42	48	42	37	33	38	36	25	29	46	40	40	48	45	45	50	63	55	40	27	29	26	38	46	35	44	47	....	40.4
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Clarksburg §	Maximum	76	53	46	67	70	65	48	54	45	53	58	72	52	65	71	79	78	84	84	83	84	45	43	47	59	67	72	65	57	58	....	63.3
	Minimum	38	45	36	37	45	40	36	34	38	35	24	28	39	36	42	42	44	42	56	60	53	40	26	27	22	37	43	30	43	47	....	38.8
Creston	Maximum	79	78	45	74	72	69	67	53	49	60	64	72	67	71	76	78	83	85	88	82	73	68	46	50	60	70	75	72	60	65	....	68.4
	Minimum	44	39	37	40	55	37	40	37	44	40	40	29	47	39	44	56	43	46	57	58	49	40	27	25	24	40	48	33	47	48	....	41.8
Elkins	Maximum	68	55	42	60	72	60	49	43	41	51	56	70	55	67	68	74	73	79	82	79	79	46	38	39	54	64	68	58	57	53	....	60.0
	Minimum	45	33	33	40	44	43	32	29	37	36	25	27	44	40	49	47	47	42	60	62	46	31	24	29	22	36	41	30	39	38	....	38.
Fairmont§	Maximum	78	52	46	65	73	73	54	61	44	60	64	77	52	70	71	82	82	86	87	85	84	45	43	48	61	68	72	70	57	69	....	66.0
	Minimum	41	41	36	32	44	37	35	32	36	32	25	28	35	34	34	51	48	43	56	63	55	39	24	24	26	34	47	32	45	46	....	38.
Glenville	Maximum	76	75	45	76	73	73	70	58	49	60	58	75	72	73	78	76	81	86	88	86	84	70	47	49	62	70	75	70	70	66	....	69.
	Minimum	43	40	36	40	50	40	38	34	43	39	22	28	46	38	43	41	45	45	58	60	55	38	26	25	23	37	46	34	47	47	....	40.
Lost Creek	Maximum	74	71	44	68	70	66	61	53	48	54	58	73	68	66	70	77	78	83	83	81	82	61	42	45	57	65	70	63	60	57	....	64.
	Minimum	58	39	34	37	47	40	35	34	40	34	21	24	44	35	40	44	40	40	57	61	51	37	22	25	21	37	45	29	40	45	....	38.
Mannington	Maximum	74	71	45	62	72	65	62	58	50	53	58	71	68	64	70	77	76	82	84	78	82	66	44	45	57	66	72	61	59	60	....	65.
	Minimum	42	39	36	38	44	34	34	30	40	32	23	26	44	34	35	46	45	40	56	57	52	39	24	28	23	33	42	29	40	45	....	37.
Morgantown	Maximum	71	70	44	56	71	65	60	58	49	52	56	72	68	66	70	77	75	82	84	80	83	67	44	46	56	66	71	62	60	59	....	64.
	Minimum	39	39	34	39	40	40	33	30	36	31	25	31	42	31	49	56	50	52	63	65	52	38	26	31	31	43	46	46	44	44	....	40.
New Cumberland§	Maximum	65	43	43	60	68	65	46	57	50	55	60	70	51	65	68	74	78	81	85	69	78	43	44	48	54	64	53	63	55	....	....	60.
	Minimum	37	32	31	34	39	34	32	28	34	32	27	28	34	31	36	43	53	43	45	61	48	38	27	30	35	35	38	29	39	43	....	36.
New Martinsville	Maximum	78	74	45	71	68	69	66	58	55	57	63	73	70	68	69	80	80	85	86	81	79	65	45	49	58	68	73	65	64	64	....	67.
	Minimum	39	36	35	37	45	35	34	31	39	31	24	27	42	32	39	46	47	42	58	59	50	37	25	26	24	34	42	31	42	43	....	37.
Parkersburg	Maximum	77	54	45	71	69	69	56	50	47	55	59	73	57	66	69	76	78	82	86	76	78	44	43	50	59	68	72	66	58	63	....	63.
	Minimum	43	38	38	41	50	40	37	38	42	36	33	34	44	38	49	53	48	51	61	61	44	35	32	32	31	46	46	38	50	47	....	42.
Parsons	Maximum	67	67	48	52	62	60	55	40	40	48	60	60	60	60	70	72	80	82	81	82	83	69	38	39	54	56	55	56	58	56	....	60.
	Minimum	43	43	40	40	38	40	34	24	36	28	22	26	44	30	48	46	48	49	48	47	48	32	25	25	23	40	39	31	38	39	....	37.
Philippi	Maximum	73	67	60	69	68	71	54	....	....	....	56	69	67	65	69	....	....	82	82	82	81	71	43	42	55	64	69	60	....	....	....	66.
	Minimum	44	38	33	34	35	37	33	....	....	....	24	38	43	37	47	47	....	63	60	65	56	30	25	26	28	42	47	32	32	....	....	39.
Pickens	Maximum	65	54	41	64	63	68	47	39	45	50	58	59	53	64	71	71	72	75	76	78	74	55	38	38	43	62	64	59	61	54	....	58
	Minimum	40	30	27	37	34	37	32	26	34	29	18	29	41	42	43	45	43	44	47	52	49	30	18	20	18	34	40	25	38	40	....	34
Terra Alta	Maximum	52	47	38	37	63	59	55	45	39	49	66	55	65	59	66	71	71	76	78	79	76	74	34	38	50	69	61	55	54	53	....	57
	Minimum	32	37	31	32	32	39	28	24	26	27	23	28	40	30	36	46	41	41	58	56	55	33	22	25	24	33	43	30	34	40	....	34
Wellsburg	Maximum	72	57	42	60	66	66	57	56	53	57	63	71	68	65	67	74	79	82	85	78	80	65	45	49	55	66	65	63	61	67	....	64
	Minimum	42	39	37	40	40	32	34	27	38	30	23	26	44	28	30	58	53	40	59	55	49	38	25	28	34	31	38	27	40	42	....	37
Weston	Maximum	78	75	58	70	72	71	65	55	52	52	54	75	70	69	72	78	79	85	85	85	83	82	45	50	51	70	72	72	65	61	....	68
	Minimum	45	52	38	52	43	39	36	35	39	35	30	29	39	42	40	43	44	45	60	62	53	38	27	28	26	30	39	31	40	42	....	40
Wheeling§	Maximum	76	50	45	69	67	69	50	60	47	62	66	78	51	70	70	76	82	84	89	80	82	45	48	50	57	67	69	65	56	....	....	64
	Minimum	37	38	32	35	41	33	32	30	30	30	24	27	30	32	35	44	51	44	46	58	49	34	25	30	32	35	41	30	32	42	....	36
Southern Division																																	
Bluefield	Maximum	71	70	....	61	70	63	63	59	40	....	60	67	62	59	64	72	....	74	81	79	75	65	49	....	58	64	72	69	80	78	....	6
	Minimum	51	41	....	34	41	44	47	36	35	....	28	44	57	45	43	51	....	52	58	61	53	35	26	....	28	41	50	38	53	43	....	4
Charleston	Maximum	80	60	52	78	77	69	69	50	50	64	68	71	58	65	75	70	83	86	87	83	81	47	49	53	64	73	79	71	77	61	....	6
	Minimum	48	48	46	43	45	44	40	49	40	42	28	28	35	47	47	50	50	50	50	59	58	40	29	29	28	29	52	37	37	50	....	4
Gary §	Maximum	76	56	65	77	77	67	64	48	46	68	69	65	60	63	74	79	78	81	85	83	81	43	52	52	61	71	77	72	84	61	....	6
	Minimum	51	48	39	42	48	44	36	39	42	41	35	41	47	50	48	47	54	52	54	57	54	39	28	27	27	34	49	39	47	52	....	4
Huntington §	Maximum	78	49	51	70	70	67	52	52	51	58	59	68	56	59	72	73	77	81	84	77	77	46	58	51	60	73	77	67	68	64	....	6
	Minimum	50	49	36	38	45	41	42	40	40	42	34	36	42	44	44	53	48	50	60	60	60	41	31	30	29	37	55	42	45	50	....	4
Lewisburg	Maximum	70	66	51	50	63	62	59	49	37	56	62	71	62	58	67	72	75	75	81	81	72	66	47	45	55	66	75	66	74	72	....	6
	Minimum	49	40	35	39	38	37	39	34	34	34	26	29	52	44	45	39	53	48	55	52	52	35	23	25	23	36	49	34	44	49	....	3
Marlinton	Maximum	58	48	50	42	58	48	54	36	34	52	58	66	60	52	64	70	72	74	76	76	70	60	50	38	52	62	68	66	70	66	....	5
	Minimum	42	34	32	32	34	34	36	30	30	30	20	22	44	42	40	36	44	38	52	50	50	30	20	18	16	30	48	36	46	44	....	3
Point Pleasant	Maximum	60	74	70	70	70	70	66	55	55	58	62	70	68	65	60	70	78	80	88	85	80	60	48	48	56	70	74	68	65	60	....	6
	Minimum	40	38	39	40	55	35	39	40	42	33	29	30	40	30	38	51	45	47	58	60	55	32	29	26	29	39	49	35	48	45	....	4
Ravenswood	Maximum	77	77	47	73	73	68	68	50	51	57	62	71	70	66	71	74	79	82	85	82	78	65	46	49	59	70	74	67	67	64	....	6
	Minimum	45	39	38	41	55	35	38	38	43	37	27	31	46	39	39	56	34	39	47	50	41	30	19	25	25	34	43	35	48	42	....	3
Robertsburg§	Maximum	78	48	50	74	69	69	51	50	50	60	67	72	55	65	72	74	84	82	86	80	77	46	47	52	62	72	76	73	60	64	....	6
	Minimum	44	43	36	38	40	35	38	37	38	38	27	29	34	40	41	52	43	42	51	59	55	37	27	25	24	34	47	35	46	45	....	[illegible]
Ryan	Maximum	78	70	47	72	60	65	53	45	47	56	50	70	59	60	70	62	75	82	85	80	72	54	46	46	57	69	73	65	65	58	....	[illegible]
	Minimum	47	36	35	40	51	35	35	38	39	38	22	26	45	41	46	46	40	45	48	56	54	39	24	22	20	37	46	30	45	45	....	[illegible]
Spencer §	Maximum	77	60	46	74	72	72	53	47	48	57	62	72	55	70	72	76	81	86	82	82	80	45	46	49	50	71	76	67	54	65	....	[illegible]
	Minimum	44	48	40	38	46	34	38	35	40	37	23	26	50	38	45	48	44	67	48	55	55	38	25	23	22	39	45	31	48	44	....	[illegible]
Sutton	Maximum	74	74	49	73	73	66	66	50	48	57	65	65	70	70	67	67	78	81	89	89	80	72	53	45	61	70	70	64	63	60	....	[illegible]
	Minimum	42	40	36	41	40	41	38	36	38	40	35	37	36	41	42	41	43	45	45	49	46	36	26	28	24	27	42	31	41	43	....	[illegible]
Union	Maximum	72	74	....	56	66	67	68	59	60	....	66	72	71	62	67	75	....	80	84	84	82	69	53	....	61	66	74	73	75	75	....	[illegible]
	Minimum	51	44	....	36	38	37	40	36	35	....	27	32	54	45	45	43	....	50	55	52	52	36	26	....	25	38	50	35	43	50	....	[illegible]
White Sulphur Spgs§	Maximum	52	59	47	73	69	68	40	41	59	70	75	65	53	71	76	82	83	88	87	79	47	55	51	61	71	79	72	80	62	....	....	[illegible]
	Minimum	39	36	39	37	37	35	35	34	34	20	25	52	44	43	38	50	43	54	53	53	38	23	23	21	33	50	33	40	49	38	....	[illegible]
Williamson§	Maximum	63	56	58	62	60	58	59	61	62	64	68	69	68	72	77	79	82	87	88	86	79	62	56	58	67	76	78	80	69	66	....	[illegible]
	Minimum	52	51	42	43	47	45	44	45	46	43	40	41	51	51	52	54	58	59	62	63	62	42	39	36	37	38	47	56	57	46	....	[illegible]

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXV Parkersburg, W. Va., May, 1927 No. 5

GENERAL SUMMARY

While the temperature and rainfall averaged practically normal, the month was characterized by a long period of unfavorably cool weather and by too much rain over large portions of the State. The average number of rainy days, 15, was much above the normal, although for May in 1908 and 1924 the average was 17. Freezing temperature at the beginning of the month caused great damage to fruit, especially in valley orchards. In the eastern commercial orchards the damage was not considered great. Continued rains and cool weather near the close of the month greatly retarded growth and farm work. Wheat, however, was in good condition at the close of the month, and meadows and pastures were generally good to excellent. Practically no damage from hail was reported.

TEMPERATURE

The monthly mean for the State, determined from 49 stations, was 62.0°. The departure from the normal for 41 stations having ten or more years of record was −0.3°. The month opened with freezing temperature in many sections Cool weather also prevailed from the 12th to the 17th and during the last week. Unusually warm weather for May prevailed from the 6th to the 14th and the 24th to the 26th. The highest temperatures occurred generally on the 9th and 21st and the lowest on the 1st and 2d.

PRECIPITATION

The average precipitation for the State, determined from 83 stations, was 4.13 inches. The departure from the normal for 56 stations having ten or more years of record was +0.04 inch. While rain fell in some section of the State on nearly every day of the month, the greater part of the precipitation was received on the 4th, 8th, from the 10th to the 19th, the 23d to the 25th, and on the 29-30th. The greatest amounts were measured on the 14-15th, 23d, and 30th. Traces of snow fell at Horton and Stony River Dam. The precipitation was heaviest over the entral and north central counties and lightest over the eastern anhandle counties.

HAIL

Light: Light hail fell in sections of the following counties on ates indicated: Kanawha, 8th; Grant, Preston, and Wood, th; Berkeley, 11th; Kanawha and Roane, 14th; Lewis, 15th; ocahontas, 22d; Braxton, Gilmer, Grant, Harrison, Lewis, onongalia, Mingo, Randolph, Ritchie, Upshur, Wirt, and ood, 26th; Preston, 31st.

Moderately heavy hail: Moderately heavy hail fell in sections of Berkeley nty on the 10th. Stones as large as a hen's egg fell at Marlowe and Falling Waters. ndow glass was broken in a few houses. Moderately heavy hail also fell at Terra ta. Preston County, on the 26th. Practically no damage to crops occurred during se storms.

HIGH WIND

A high wind, causing some damage to roofs and shade trees, prevailed in sections Berkeley County during a severe thunderstorm.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 23d Bancroft, 5th and 9th; Brownsville, 2d and 9th, Charleston, 5th; Elkins, 1st, Marlinton, 3d, 5th, and 22d.

Halos, solar: Hinton and Ryan, 27th.

Frost: Heavy to killing frost occurred generally throughout the State on the mornings of the 1st and 2d, and light to heavy frost in the mountain sections on the 28th

Thunderstorms (dates and number of stations reporting) 3d, 1; 4th, 3, 9th, 1; 10th, 14; 11th, 1; 14th, 8; 15th, 5; 16th, 1; 18th, 9; 19th, 2, 21st, 2, 22d, 7, 24th, 1; 25th, 1; 26th, 11; 28th, 1; 29th, 1; 30th, 7; 31st, 4.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a.m.	local noon	8 p.m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	29.92	79	60	68	250.4	56	5,982	8.0	40	nw.	18
Columbus, Ohio	29.91	84	71	72	210.4	47	8,069	10.8	44	nw.	14
Elkins	29.94	78	62	70	175.8	40	4,543	6.1	30	nw.	3
Lexington, Ky	29.93	82	72	....	188.1	43	10,721	14.4	48	se.	29
Parkersburg	29.94	71	55	60	228.8	52	4,547	6.1	30	w.	10
Pittsburgh, Pa	29.91	73	62	62	213.3	48	8,697	11.7	38	w.	10
Wytheville, Va	29.94	78	58	68	251.0	57	5,513	7.4	33	w.	15

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	57.2	......	......	3.18	......	......	......	......	......	......	......
1892	62.2	96	32	5.04	......	......	......	......	......	......	......
1893	59.5	92	30	4.51	6.41	1.83	......	10	12	9	10
1894	62.1	100	28	4.44	9.40	2.17	......	13	16	9	6
1895	61.6	105	20	2.60	6.31	0.79	......	9	12	11	8
1896	68.3	95	33	3.01	5.92	0.65	......	10	11	13	7
1897	57.6	90	23	4.60	7.06	2.17	......	11	13	10	8
1898	63.0	94	28	4.51	6.15	2.76	......	13	13	10	8
1899	64.1	96	35	5.17	7.68	3.17	......	12	11	11	9
1900	62.5	98	21	2.99	6.75	0.35	......	8	14	9	8
1901	61.8	96	21	6.15	8.88	2.50	......	13	11	10	10
1902	65.2	98	25	3.17	6.09	1.30	......	9	14	11	6
1903	64.3	95	20	3.03	6.24	0.80	T.	8	18	9	4
1904	61.8	98	25	3.55	5.80	1.54	T.	11	12	11	8
1905	64.2	96	26	4.95	7.96	1.90	0	11	12	10	9
1906	62.7	98	22	2.59	6.89	0.39	T.	9	15	9	7
1907	59.0	93	24	3.88	6.37	1.38	T.	12	12	10	9
1908	63.4	96	28	6.19	11.45	2.73	0.1	17	9	12	10
1909	60.8	93	21	3.82	6.05	1.80	0.1	19	14	9	8
1910	57.9	96	19	3.92	5.87	1.55	0	12	11	10	10
1911	66.0	100	22	1.46	6.35	0.03	0	5	20	8	3
1912	63.3	94	31	3.93	7.50	1.16	0	11	15	8	8
1913	61.6	95	19	5.16	8.86	1.89	0	10	14	8	9
1914	62.4	100	24	1.96	3.75	0.55	0	6	18	8	5
1915	61.1	92	29	4.22	6.85	2.56	0	13	10	9	12
1916	64.0	97	28	3.58	6.00	0.90	T.	11	14	9	8
1917	55.5	95	25	4.88	5.45	2.45	T.	10	11	8	12
1918	66.7	97	25	4.34	10.28	1.85	T.	11	15	9	7
1919	61.5	100	30	5.25	10.71	2.75	0	13	12	7	12
1920	58.9	95	24	2.76	6.97	1.08	T.	7	16	6	9
1921	61.4	96	24	4.48	10.67	2.12	T.	12	12	7	12
1922	63.7	94	26	3.67	5.83	1.55	0	11	14	7	10
1923	59.7	93	21	2.58	5.33	0.18	1.3	8	16	6	9
1924	55.5	93	23	7.20	12.20	3.91	0.1	17	9	7	15
1925	56.8	100	21	3.35	6.56	0.70	0.2	10	13	8	10
1926	61.2	94	14	2.50	4.65	0.07	T.	9	15	8	8
1927	62.0	95	21	4.13	7.74	0.75	T.	15	10	8	13
1891-1927	61.6	105	19	3.97	12.20	0.03	0.1	11	13	9	9

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., May, 1927

See temperature and precipitation data in Climatological Tables, Pages 18, 19, and 20

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
arksburg	Evaporation	.080	.160	185	.192	.073	.175	.227	.099	.106	.245	.137	.097	.043	.087	.084	.049	.009	.000	.101	.281	.207	.143	.260	.165	.250	.145	.237	.188	.102	.056	.144	4.327
	Wind movement	59	36	60	60	42	38	73	64	10	76	94	61	127	56	88	200	106	83	36	135	32	19	34	78	67	96	131	56	38	35	33	2,128

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for May, 1927

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	26	....	....	....	....	....	....	....	....	....	....	....	....	12	1	18	nw.	U. G. Clark
Brandywine	Pendleton	1,586	11	59.4	+ 1.3	84	9	30	2	38	1.15	−1.81	0.30	0	8	8	2	21	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	38	....	....	....	....	....	....	....	2.33	−1.54	0.47	0	12	....	....	....	....	J. C. Newcomer
Inwood	Berkeley	569	5	60.6^{a}	....	88^{a}	24	34	1	36^{a}	3.14	....	0.59	0	17	9	7	15	nw.	L. E. Dills
Martinsburg	Berkeley	435	35	61.2^{a}	− 1.9	88^{a}	24	32	1	37^{a}	3.94	−0.06	0.65	0	17	15	9	7	sw.	Dr. H. S. Gardner
Moorefield	Hardy	900	31	64.8	+ 1.5	94	24	35	2	43	1.45	−2.10	0.33	0	10	28	0	3	....	M. S. Henkel
Piedmont	Mineral	1,053	14	61.2	+ 0.4	90	9	35	1	41	1.46	−1.94	0.36	0	11	10	10	11	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	29	62.2^{e}	− 0.8	95^{e}	9	34^{d}	1	50^{b}	2.09	−1.54	0.72	0	6	10	9	12	....	George E. Bergdoll
Stony River Dam	Grant	3,300	7	....	....	....	....	....	....	....	5.37	....	0.70	T.	17	2	8	21	w.	A. C. Becker
Upper Tract	Pendleton	1,230	28	62.8^{a}	+ 1.4	90^{a}	9	33^{a}	2	43^{a}	0.75	−2.43	0.25	0	5	11^{a}	1^{a}	18^{a}	w.	J. M. Mallow
Averages and	extremes	....	....	61.7	+ 0.3	95	9	30	2	50	2.41	−1.63	0.72	T.	11	12	5	14	nw.	
Northern Division																				
Aberdeen	Upshur	1,060	3	....	....	....	....	....	....	....	4.80	....	1.17	0	14	6	12	13	w.	L. Else Bond
Alma (near)	Tyler	....	0	....	....	....	....	....	....	....	3.02	....	1.00	0	17	8	8	15	....	D. N. Furbee
Bens Run*	Pleasants	652	25	63.6	+ 0.4	91	21	....	....	41	4.41	−0.12	1.73	0	16	6	16	4	....	J. D. Riggs
Benson	Harrison	1,080	4	62.2	....	91	22	29	1	41	3.90	....	0.63	0	17	9	14	8	....	R D Marts
Brownsville	Lewis	1,032	4	63.6	....	92	21†	31	1	43	5.12	....	0.94	0	15	11	11	9	....	W. B. Worley
Bruceton Mills	Preston	1,549	7	....	....	....	....	....	....	....	7.73	+3.32	1.07	0	18	1	17	13	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	30	60.4	− 1.5	85	22	33	1	33	5.66	+1.06	1.06	0	14	14	5	12	....	H. A. Darnall
Clarksburg	Harrison	1,015	5	61.5	....	92	21	32	1	38	3.30	....	0.80	0	17	10	8	13	w.	Clarksburg Water Board
Cortland	Tucker	3,300	16	....	....	....	....	....	....	....	5.07	+0.58	0.65	0	19	5	15	11	....	G. W. Harmon
Crawford	Lewis	1,107	4	....	....	....	....	....	....	....	4.39	....	0.89	0	15	10	13	8	w.	George W. Blair
Creston	Wirt	640	25	63.6	+ 0.1	92	21	34	1	49	3.87	−0.04	0.70	0	15	13	1	17	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	6	....	....	....	....	....	....	....	5.24	....	1.10	0	20	....	....	....	....	Lockmaster
Dam 12 O. R.	Ohio	660	11	....	....	....	....	....	....	....	3.83	+0.51	0.48	0	19	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	11	....	....	....	....	....	....	....	3.80	+0.19	0.92	0	19	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	6	....	....	....	....	....	....	....	4.23	....	0.85	0	21	....	....	....	....	Lockmaster
Davis	Tucker	3,093	18	....	....	....	....	....	....	....	7.74	+3.59	0.97	T.	20	5	8	18	w.	Ross C. Male
Elkins	Randolph	1,947	26	58.3	− 0.9	87	9	32	2	36	4.13	+0.15	0.73	0	20	1	13	17	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	2	....	....	....	....	....	....	....	6.23	....	0.79	0	18	0	10	21	n.	Claude A. Cunningham
Fairmont	Marion	883	21	62.9	− 1.2	95	21	33	1	51	3.96	+0.06	0.94	0	14	12	9	10	w.	J. C. Robinson
Glenville	Gilmer	738	33	64.8	+ 1.3	93	9†	32	1	42	3.91	−0.30	0.52	0	16	9	12	10	w.	Howard R. Brannon
Horner	Lewis	1,044	4	....	....	....	....	....	....	....	5.40	....	0.99	0	13	5^{m}	2^{m}	11^{m}	....	Thomas E. Miles
Horton	Randolph	2,840	2	....	....	....	....	....	....	....	5.30	....	0.90	T.	19	4	7	20	sw.	J. W. White
Janelew (near)	Lewis	1,020	4	63.0	....	94	22	30	1	44	5.33	....	1.20	0	12	17	8	6	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	29	60.0	− 1.1	88	22	29	1	39	3.10	−1.19	0.76	0	13	12	5	14	w.	Allen Smith
Mannington	Marion	985	24	61.0	0	87	9†	32	1	38	4.16	+0.11	0.86	0	18	9	6	16	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	34	62.1	− 0.4	90	21	34	1	39	5.43	+1.87	1.10	0	12	5	16	10	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	29	59.6^{a}	− 1.1	90^{a}	21	32	1	49^{a}	3.85	+0.55	1.27	0	18	8	6	17	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	33	62.0	− 1.6	92	21	31	1	44	3.80	+0.06	0.95	0	14	12	6	13	s.	Wm. Ankrom
Parkersburg	Wood	638	40	63.7	− 0.1	91	21	40	1	35	2.76	−0.70	0.46	0	16	8	11	12	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	27	55.1	− 4.0	84	24	31	1	35	6.84	+2.94	....	0	15	7	12	12	....	J. W. Swisher
Parsons No. 2	Tucker	....	1	....	....	....	....	....	....	....	6.94	+3.04	1.20	0	16	9	11	11	....	Robert T. Deem
Philippi	Barbour	1,550	30	61.3^{a}	− 0.4	88^{a}	21	38^{a}	16	34^{a}	3.45	−0.83	....	0	16	10	10	11	w.	Prof. Elwyn F. Chase
Pickens	Randolph	2,697	24	56.1	− 2.7	86	9	28	1	34	7.16	+1.83	1.35	0	16	8^{a}	14^{a}	8^{a}	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	4	....	....	....	....	....	....	....	5.54	....	0.98	0	16	11	9	11	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	40	....	....	....	....	....	....	....	6.93	+2.57	0.98	0	17	....	....	....	....	Walter H. Bolyard
Saint Marys	Pleasants	577	18	....	....	....	....	....	....	....	3.15	−0.71	0.45	0	18	....	....	....	sw.	Wm. Hughes
Smithfield	Wetzel	850	21	60.6	− 0.6	89	21	32	1	41	2.32	−1.86	0.38	0	15	11	14	6	....	Everett V. Price
Terra Alta	Preston	2,559	26	56.3	− 2.7	83	9†	29	1	36	6.22	+1.23	0.99	0	18	4	8	19	nw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	4	63.5	....	92	21†	31	1	42	3.70	....	0.88	0	13	15	3	13	w.	J. C. Campbell
Vandalia ††	Lewis	1,120	4	....	....	....	....	....	....	....	3.38	....	0.75	0	10	....	....	....	....	Miss Phyllis West
Wellsburg	Brooke	668	26	60.3	− 0.2	89	9	29	1	42	3.58	+0.10	0.53	0	17	13	9	9	w.	George P. Pfister
West Milford	Harrison	979	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	32	61.4	− 1.7	89	21	31	1	42	4.95	+0.64	1.00	0	13	7	22	2	....	Weston State Hospital
Wheeling	Ohio	645	40	61.3	− 1.6	94	21	34	1	44	3.92	+0.43	0.68	0	19	10	11	10	se.	Miss M. B. Forsyth
Woodlands	Marshall	....	....	....	....	....	....	....	....	....	4.36	....	0.83	0	19	14	0	17	sw.	R. W. Rist
Averages and	extremes	....	....	61.2	− 0.9	95	21	28	1	51	4.71	+0.68	1.73	T.	16	9	10	12	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	....	....	....	....	....	....	....	....	1.69	....	0.32	0	14	9	8	14	w.	H. S. Sutton
Bancroft	Putnam	574	23	63.6	− 0.2	90	21	38	1†	39	3.51	−0.63	0.58	0	15	15^{b}	0^{b}	14^{b}	ne.	R. E. Dent
Beckley	Raleigh	2,440	27	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	K. E. Williams
Bluefield	Mercer	2 558	32	64.0^{f}	+ 2.1	88^{f}	9	36^{f}	2	43^{f}	3.46	−0.18	1.50	0	12	11^{e}	12^{e}	3^{e}	....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	12	....	....	....	....	....	....	....	2.44	−2.76	1.20	0	3	8	0	23	s.	Miss Katie Jarvis
Charleston	Kanawha	600	24	64.0	− 1.9	93	21	37	1†	45	3.50	−0.57	0.40	0	18	9	0	22	....	R O. Fields
Clay	Clay	706	13	....	....	....	....	....	....	....	4.01	−0.12	0.90	0	9	....	....	....	....	Chilton Wilson
Dam 6 G. K.	Kanawha	598	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	11	....	....	....	....	....	....	....	3.10	−1.23	0.65	0	17	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	11	....	....	....	....	....	....	....	3.61	−0.21	0.65	0	15	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	11	....	....	....	....	....	....	....	3.28	....	0.65	0	17	....	....	....	....	U. S. Engineer Office
Gary	McDowell	1,426	11	63.5	....	90	9	34	2	42	4.66	+0.59	0.92	0	21	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	30	64.5	+ 0.9	87	30	36	2	40	4.19	+0.42	0.82	0	15	4	3	24	....	Mrs. J. R. Baber
Huntington	Cabell	538	31	64.3	− 0.6	87	21	40	1†	36	4.38	+0.37	0.82	0	15	5	7	19	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	8	....	....	....	....	....	....	....	4.83	....	0.74	0	19	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,336	11	....	....	....	....	....	....	....	5.76	....	0.80	0	21	....	....	....	....	Cabin Creek Con. Coal Co.
Kermit	Mingo	579	1	....	....	....	....	....	....	....	5.76	....	1.18	0	13	....	....	....	....	E. B. Kirk
Lewisburg	Greenbrier	2,250	27	60.3	− 0.3	85	22	32	2	38	2.63	−1.01	0.65	0	16	8	8	15	nw.	Geo. T. Argabrite
Logan	Logan	700	24	....	....	....	....	....	....	....	6.52	+2.36	1.95	0	14	....	....	....	....	J. R. Wampler
Marlinton	Pocahontas	2,131	28	56.4	− 1.6	84	9	26	2	40	2.60	−1.41	0.48	0	18	2	18	11	sw.	S. L. Brown
Organ Cave	Greenbrier	....	1	....	....	....	....	....	....	....	2.20	....	0.60	0	10	8	1	22	w.	J. J. Hedrick
Point Pleasant	Mason	595	34	64.2	− 1.2	90	9†	35	1	38	3.43	−0.52	0.55	0	17	11	0	20	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	12	65.0	....	88	10	34	1	37	3.51	....	0.56	0	18	16	0	15	nw.	Lockmaster
Robertsburg	Putnam	570	27	63.4	− 0.5	95	21	33	1	43	3.57	−0.03	0.57	0	17	11	0	20	....	M. Frazier
Ryan	Roane	700	24	61.6	− 0.6	89	22	30	1	39	3.99	+0.29	0.79	0	14	9	10	12	....	Wm. E. Ryan
Sharples	Logan	....	7	....	....	....	....	....	....	....	5.38	....	1.28	0	11	....	....	....	....	R. W. Howard
Sissonville	Kanawha	625	....	....	....	....	....	....	....	....	4.83	....	....	0	9	....	....	....	....	J. N. Johnson
Spencer	Roane	789	23	62.1	− 0.5	88	9†	32	1	40	2.96	−0.74	0.40	0	18	2	20	9	....	A. M. McKown
Sutton	Braxton	850	21	61.4	− 3.9	92	8†	33	2	45	4.85	+0.36	0.95	0	14	17	0	14	....	C. B. Eakle
Union	Monroe	2,250	23	64.1^{e}	+ 3.3	89^{e}	9†	32^{e}	2	43^{e}	2.20	−0.56	0.71	0	13	8^{f}	7^{f}	10^{f}	....	W. M. H. Young
Wayne	Wayne	598	....	....	....	....	....	....	....	....	4.37	....	0.60	0	15	....	....	....	....	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	17	63.4^{a}	+ 3.0	94^{a}	8	21	1	57^{a}	2.29	−1.58	0.62	0	16	16	14	1	....	H. E. Green
Williamson	Mingo	673	27	69.0	+ 3.6	94	9	43	2	38	5.40	+1.59	1.28	0	17	16	0	15	sw.	A. J. Maynard
Averages and	extremes	....	....	63.2	+ 0.1	95	21	21	1	57	3.84	−0.27	1.95	0	15	10	6	15	w.	
State averages and	extremes	....	....	62.0	− 0.3	95	9†	21	1	57	4.13	+0.04	1.95	T.	15	10	8	13	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.
Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for May, 1927

Stations	Drainage basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Panhandle Division																																	
Bayard‖	Potomac																											1.11	.03	.06	T.		+++
Brandywine	do				.10		.05		.10		.15				.20				.10				.30	T.		T.	.15			T.	T.		1.15
Burlington	do																																
Harpers Ferry ‖	do					.08	.04			.40		.56				.47	T.	.05	.08	.17						.12	.09	.07			.20		2.33
Inwood	do	.59				.11	.04			.53		.08	.03			.59	.04	.02	.04	.17				.07		.01	.28	.03		.03	.48		3.14
Martinsburg‖	do	.65				.15	.05			.50		.25	.02		T.	.58	.05	.05	.18	.10				.18		.22	.52	.04			.35	.02	3.91
Moorefield	do				.05				.10		.15				.06	T.			.33					.15		.26	.20			.10		.05	1.45
Piedmont	do				.11				.17		.03			.02	.06	.06	.02		.18							.25	.36			.20			1.46
Romney	do								.72					.15	.55											.15	.27			.25			2.09
Stony River Dam ‖	do	.60				.24	.03			.20		.42	.14	.28		.68	.32	.12	.05	.70				.42			.36	.43			.06	.02	5.37
Upper Tract	do								T.	.25	.10													.20			.10	.10			T.		0.75
Northern Division																																	
Aberdeen	Monongahela				.63				.10		.50	.08	.15	.02	.40	.71	.43	.03	1.17	T.				.23	T.	.07	.28				T.	T.	4.80
Alma	Ohio			.02	.30		.04		.08		.27		.18		.33	.08	.38		1.00	.04				.08	.02	.10	.07				.02	.01	3.02
Bens Run	do				.30	.20					.47		.21		.25	.15	.40		1.73					.35	.02	.10	.12			.05	.04	.02	4.41
Benson	Monongahela			T.	.46		.02		.10		.14	.35	.18		.27	.63	.45	.01	.63	.01				.06	.09	.14	.34			.02			3.90
Brownsville	do				.69		T.		.15	.02	.45	.05	.34	.01	.34	.94	.60		.92					.25		.03	.31			T.	T.	.02	5.12
Bruceton Mills	do			.24	.38				.62	T.	.50	.15	.45	T.	1.05	.26	.62	.15	.85	.11		T	.25	.81	.02	.10	1.07			T.	T.	.10	7.73
Buckhannon	do			T.	.66				.22		T.	.15	.32		.93	.78	.60	.06	1.06				.10	.20		.10	.30				T.	.18	5.66
Cairo	Little Kanawha																																
Clarksburg ‖	Monongahela	.12			.38	.07	.02			.09		.21	.02	.11	.10	.50	.20	.09	.06	.80					.04		.30	.19			T.		3.30
Cortland ‖	do				.40				.10		.20	.15	.25	.30	.15	.45	.25	.30	.20				.65		.20	.15	.25	.10		.25	.62	.10	5.07
Crawford	Little Kanawha				.67				.10		.01	.11	.34		.89	.51	.36	.05	.54				T.	.29		.09	.33				.02	.08	4.39
Creston ‖	Monongahela	T.			.36	.10	T.		T.	.10		.34	.22	.05	.11	.70	.32	.27		.52					.32	.10	.27			T.	.09		3.87
Dam 10, Mon. R.‖	Ohio	.02			.21	.12	.03			.18		.16	.03	.30	.15	.64	.19	.24	.04	.70				1.10	.10	.09	.50	.28				.16	5.24
Dam 12, O. R.‖	do				.45	.02	.02			.17		.39	T	T.	.06	.26	.27	.04	.04	.47	.02			.27	.22	.05	.22	.33			.05	.48	3.83
Dam 13, O. R. ‖	Monongahela				.43	.01	.08					.35	.03	.01	.10	.11	.25	.05	.06	.50				.92	.29	.04	.20	.28			.04	.05	3.80
Dam 15, Mon. R.‖	do	.11			.36	.15	.11			.30		.25	.04	.14	.10	.68	.12	.18	.04	.85	.05			.11	.14		.16	.12			.02	.20	4.23
Davis	do	.63			T.	.41	.03	T.		.14		.15	.22	.27	.10	.97	.52	.59	.12	.90	T.		.23	.63	.04		.62	.27			.07	.83	7.74
Elizabeth (D'm 3 L K)	Little Kanawha				.30		.04		.03			.25	.18	.03	.05	.68	.28	.18	.01	.30						.11	.32	.07			.20	.05	3.08
Elkins ***	Monongahela			T.	.49	T.			.24		.01	.14	.19	.03	.65	.38	.41	.05	.73	T.	.01	.04	.02	.21		.12	.30	.02		T.	.03	.06	4.13
Evenwood	do			.01	.09			T.	.20		.31	.62	.69	.16	.56	.79	.32	.14	.42			T.	.21	.46	.32	.29	.34		T.	T.		.30	6.23
Fairmont‖	do	.10			.42	T.				.15		.39	.07	.12	.16	.76	.21	.22	T.	.94				.14	.13	T.	.15				T.		3.96
Glenville ‖	Little Kanawha	.24			.52	T.				.22		.11	.23	.08	.12	.51	.38	.24	T.	.40					.32		.08	.10			.31	.05	3.91
Horner	Monongahela				.60				.14		.35	.35	.31	.02	.40	.95	.50		.99						.38		.36					.05	5.40
Horton	do				.10		.05		.20	T.	.19	.10	.21		.33	.53	.46	.24	.53			.10	.90	.14		.10	.61	.04			.33	.14	5.30
anelew(near)	do				.70				.10		.59	.15	.18		.40	.80	.40		1.20					.23		.15	.43						5.33
ost Creek	do			.09	.52				.06		.03	.13	.04		.50	.45	.33	T.	.76	T.				.04		.03	.12			T.		T.	3.10
Mannington	do			.01	.26		.05		.29		.30		.16	.02	.54	.16	.48	.01	.84	.02				.31		.22	.38	T		.04		.07	4.16
Morgantown	do			T.	.32	T.			.15		.15			T.	.43	.28	.15	T.	.65	T.			1.10	.61		.16	1.00			T.		.43	5.43
New Cumberland‖	Ohio				.40	T.	.08			.40		.24	.03		.04	.14	.25	.07	.07	1.27	.02				.25	.20	.08	.18			.08	.05	3.85
New Martinsville	do				.30				.20		.10		.10		.25	.20	.50		.95	.05				.25	.15	.10	.55			.10			3.80
Parkersburg ***	do			T.	.38	.02	T.		.06		.24	T.	.13	T.	.40	.07	.26		.27	.05			.02	.11	T.	.16	.13			.02	.44	T.	2.76
arsons	Monongahela								*	T.		*	*	*	*	*	3.22	*	*	1.12							*	*	2.00		*	.50	6.84
arsons No. 2	do	.50				.27				.15		.12	.19	.18	.11	1.02	.50	.40		1.20			.97	.50			.40	.13			T.	.30	6.94
hilippi	do			.66					.12		.16	.11	.23	*	*	1.49	*	.04	.18	.01			*	.09		.04	.32		T.	T.		T.	3.45
ickens	do			.05	.73				.10		.10	.35	.82		.10	1.35	1.21	.31	.68			T.	.11	.28		.28	.61			.08			7.16
anoke	do				.67				.18	T.	.27	.16	.31		.36	.98	.42	.07	.60					.39	.10	.42	.05				.03	.53	5.54
owlesburg ‖	do	.86				.59	.03			.27		.27	.19	.41	.05	.90	.43	.71		.98					.02	.05	.45	.60				.12	6.93
int Marys ‖	Ohio				.35		.03			.07		.38	.05	.03	T.	.45	.35	.21	.21	.40				T.	.18	.04	.13	.02		.13	.05	.07	3.15
nithfield ‖	Fishing Creek				.03	.34			.04	.12			.21				.15	.27	.19	.11				.38	.05	.11	.12	.14			.06		2.32
rra Alta	Monongahela				.68		.01		.36		.11	.01	.51	.06	.48	.38	.98	.29	.99					.19		.03	.81	.23		.01		.09	6.22
lley Chapel	do				.58				.05		.02	.08	.07		.30	.50	.48		.88					.22		.09	.39					.04	3.70
ndalia	do							.10	.75		.15				.20	.50	.30	.70							.10	.43			.15				3.38
llsburg	Ohio				.44		.05		.14		.27		.05		.15	.44	.27	.10	.13	.30				.36	.04	.18	.53			.07		.06	3.58
st Milford	Monongahela					.62			.13	.20			.30				1.10		.85														+++
ston	do					.35					.60		.40		.20			1.00	.40	.10	1.00	.20				.20			.20	.10		.20	4.95
eeling ‖	Ohio				.43	.02	.01	T.		.22		.39	.02		.10	.25	.23	.05	.03	.42	.01			.37	.16	.04	.23	.26				.68	3.92
odlands ‖	do				.33	.03	.05			.29		.30	.04	.02	.10	.43	.32	.17	.23	.83				.23	.21	.07	.51	.12			.08		4.36
Southern Division																																	
oovale	Great Kanawha				.17		.12		.02		.25		.10		.29	.10	.06		.32				.04			.05	.09	.07		.01			1.69
ncroft ‖	do	.40			.28				.05			.10	.05		.07	.24	.45	.10		.25				.16		.33	.10			.35	.58		3.51
kley	do								2.00		.85	.10	.19											2.10									+++
efield	do				.28					.29		.29	.06	.05			.35		.08		.09					.24	.07		.16			1.50	3.46
nden-on-Gauley ‖	do														1.20								.80								.44		2.44
rleston ‖	do	.40			.32	.16			.06	.16		.14	.12		.06	.40	.26	.16		.32					.12	.12	.10	.02		.18	.40		3.50
v ‖	do	.90			.47							.17				.35	.40	.75			.27									.28	.42		4.01
n 6 G K. ‖	do																																
n 19 O. R. ‖	Ohio				.41		.01	T.	T.	.09		.22	.05	T.	.04	.32	.25	.05	T.	.36				.03	.08	.12	.25	.13		.01	.65		3.10
n 20 O. R. ‖	do				.42	.14	.04		.05	T.	T.	.30	.13		.08	.62	.25	.15		.38				.02		.10	.28				.65		3.61
n 26 O. R. ‖	do	.11			.54		.05	.02	.07	.22		.06	.02		.02	.22	.13			.32				.30		.23	.15			.17	.65		3.28
v‖	Big Sandy	.63			.18	.10		.05	.28	.27		.38	.05	.02		.30	.10			.08	.36		.02		.06	.03	.31		.17	.21	.92	.14	4.66
ton ‖	do	.82			.23	.12		.06	.09	.13		.17					.39	.18		.47				.65	.08	T.		.05			.70	.05	4.19
tington ‖	Ohio				.58		.06	T.	.16	.48		.06	.08	T.	.04	.48	.24			.82				.04		.24	.10			.32	.68		4.38
awha Falls ‖	Great Kanawha	.74			.12	.29			.05	.15		.28	.03	.03	.03	.68	.29	.35		.22				.74			.16	.05		.02	.55	.05	4.83
ford ‖	do	.56			.17	.37		.02		.36		.45	.10	.06	.04	.52	.19	.31		.58				.85	.10	.01	.12	.11		.02	.80	.02	5.76
nit ‖	Big Sandy			.45				.20		.50	.35			.10		.80		.15		.70					.16	.80	.35		.02		1.18		5.76
isburg	Great Kanawha				.33		.03		.04		.03	.18	T.		.33	.05	.11		.65					.35		.06	.04		.02	.17	.19	.05	2.63
n ‖	Guyandotte	.22			.37					.68		.42			.38	.12	.40	T.		.85			.05			.34	.30			.30	1.95	.14	6.52
inton	Great Kanawha	.06			.28		.12	T.	.08		.06	.12	T.		.46	.06	.08	.12	.48	T.			T.	.04	.06	.12	.18		T.	.12	.06	.10	2.60
n Cave	do				.10		.08	.09	.10								.12			.06						.60			.15	.30	.40		2.20
t Pleasant ‖	Ohio	T.			.55		.05	.02	.05	.10		.12	.20	.03		.38	.33	.10		.53				.03		.22	.12			.10	.50		3.43
nswood (Dam 22	do				.42	.06	.08		.05	.03		.12	.18	.05	.06	.56	.21	.17	T.	.45				T.	.20	.15	.18	.06		T.	.48	T.	3.51
rtsburg ‖	Great Kanawha	.27			.29				.09	.20		.23	.05		.02	.45	.28	.10		.28				.18	.12	.22	.11			.11	.57		3.57
	do				.42				.18			.09	.36		.79	.32	.61	.03	.25					.22		.20	T.			.13	.34	.05	3.99
oles ‖	Coal River				.40				.40	.43		.63	.14		.18		.64		.78			.10		.40							1.28		5.38
sville ‖	Great Kanawha	.54			.62				.43			.37			*	*	1.07	.87													.93		4.83
er ‖	do	.30		.10	.18	T.			.04			.11	.10	.06	.04	.40	.20	.34	T.	.17				T.	.10	.06	.35	T.		.08	.20	.13	2.96
n	do				.55					.10	.15	.35		.95	.15	.48	.45		.55					.25		.30	.10			.20	.27		4.85
n	do	.04					.06	.06		.05					.15		.25	.12	.39					.05			.06		.18		.71	.08	2.20
e ‖	Big Sandy	.20			.29				.17	.53		.28	.01	.02	.06	.53	.12			.60						.38	.20			.54	.44		4.37
Sulpr. Spgs. ‖	Great Kanawha				.25	.05	.05				.15			.10	.27	.05	.05		.62					.12		.04	.10		.08	.25	.04	.07	2.29
inson ‖	Big Sandy	.22			.31			.07	.24	.66		.30	T.	T.	.20	.14	.20		T.	.45			.15		.05	.44	.34	.03		.32	1.28	T.	5.40

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete.

Daily Temperatures for May, 1927

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	59	68	62	74	72	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	37	29	39	48	53	.....
Brandywine	Maximum	60	68	78	67	75	70	72	65	84	83	72	60	60	60	54	52	60	65	75	75	74	70	75	82	80	66	60	60	61	75	74	69.4
	Minimum	35	30	40	42	45	52	55	53	52	61	53	50	45	42	44	42	45	48	53	52	57	54	60	61	60	48	45	37	52	57	60	49.4
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Inwood	Maximum	65	70	84	68	76	72	71	56	84	82	74	61	64	59	58	54	63	66	81	73	74	81	84	88	68	72	66	68	61	69	....	70.4
	Minimum	34	43	48	56	49	55	53	49	50	54	58	50	48	44	42	42	46	49	53	53	51	53	63	69	53	54	49	37	52	56	59	50.7
Martinsburg§	Maximum	67	73	78	83	80	76	72	56	85	83	71	64	60	60	60	56	64	63	80	74	76	83	82	88	68	74	68	74	62	71	....	72.0
	Minimum	32	46	47	49	50	52	52	50	50	52	60	51	49	43	45	44	46	50	51	54	48	52	63	65	52	54	49	37	53	53	59	50.3
Moorfield	Maximum	68	76	86	86	83	79	76	76	93	92	79	66	79	77	63	56	65	66	88	86	88	92	83	94	93	76	72	68	68	79	78	78.4
	Minimum	39	35	48	59	48	53	53	50	50	65	58	50	47	44	43	45	46	44	55	58	50	57	63	65	62	50	48	38	51	58	59	51.3
Piedmont	Maximum	63	72	80	70	74	72	73	72	90	82	72	65	65	62	59	52	62	65	82	77	80	84	81	89	83	70	64	69	59	70	73	72.0
	Minimum	35	40	48	53	46	52	50	48	49	59	56	46	46	44	46	43	46	48	53	53	49	55	62	69	61	53	42	36	47	57	60	50.3
Romney	Maximum	70	85	69	78	....	70	77	61	95	80	75	....	....	67	59	61	63	83	78	84	88	....	92	90	72	64	59	70	73	72	...	74.4
	Minimum	34	35	49	54	50	....	50	48	48	54	57	47	....	..	43	46	16	47	54	55	50	54	....	62	68	55	47	36	48	57	58	50.1
Upper Tract	Maximum	63	70	80	78	78	76	75	75	90	89	81	70	....	65	59	58	60	68	83	79	85	86	88	89	85	78	82	70	73	78	78	76.3
	Minimum	34	33	45	45	45	50	52	52	47	61	57	48	....	43	43	42	45	48	18	58	50	53	58	60	56	50	51	37	50	57	58	49.2
Northern Division																																	
Bens Run	Maximum	....	....	....	....	....	75	78	67	89	79	73	56	69	61	60	48	66	70	80	74	91	88	83	84	77	70	66	71	76	84	74	73.5
	Minimum	....	....	....	....	....	54	53	50	54	64	54	48	47	45	44	42	46	55	61	53	50	62	63	66	69	56	48	45	51	58	63	53.9
Buckhannon	Maximum	60	68	78	68	71	72	74	72	84	80	70	55	61	58	50	47	62	64	76	70	82	85	78	81	70	70	60	70	73	79	72	69.8
	Minimum	33	35	50	50	46	54	55	50	52	65	55	46	41	50	43	42	44	44	59	43	52	59	65	65	62	56	42	50	47	57	65	50.9
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Clarksburg §	Maximum	65	71	78	72	75	75	75	70	90	79	62	52	68	61	53	49	66	69	80	73	92	88	81	85	74	67	67	71	73	85	72	72.2
	Minimum	32	33	42	54	45	55	54	48	52	61	58	48	46	48	43	42	43	49	56	53	54	58	64	67	67	54	47	40	46	55	62	50.8
Creston	Maximum	68	74	81	75	75	76	84	75	90	82	78	54	71	72	64	58	68	75	81	80	92	88	82	85	81	77	68	74	84	86	75	76.5
	Minimum	34	35	47	57	46	48	51	51	54	63	51	46	48	53	40	42	46	52	60	51	52	54	64	62	64	45	49	42	46	59	61	50.7
Elkins	Maximum	58	67	75	66	70	71	72	68	87	77	63	49	62	55	47	42	58	63	77	73	85	85	76	85	72	64	58	67	69	81	70	68.1
	Minimum	33	32	47	53	44	53	53	50	52	60	47	42	42	44	39	39	42	19	60	50	49	57	61	66	62	44	42	37	43	53	58	48.5
Fairmont§	Maximum	69	74	80	71	77	75	82	71	90	80	67	54	69	68	56	48	70	68	85	79	95	94	85	89	79	69	71	79	71	89	73	75.1
	Minimum	33	37	42	52	45	53	51	50	54	62	57	47	46	48	45	41	42	47	57	52	44	62	65	67	67	55	46	40	48	56	61	50.7
Glenville	Maximum	65	75	80	76	76	80	83	81	93	83	80	60	72	71	66	63	67	72	83	81	93	92	90	88	89	77	70	77	78	88	84	78.5
	Minimum	32	34	46	55	46	51	53	49	53	65	57	46	46	52	43	42	46	50	61	55	51	54	65	61	63	43	47	44	50	58	64	51.1
Lost Creek	Maximum	63	70	78	70	72	76	77	67	87	77	72	51	66	59	50	46	62	65	78	75	81	88	79	83	79	71	66	70	72	84	75	71.3
	Minimum	29	31	46	51	44	54	51	45	50	61	51	45	45	45	40	40	43	50	57	51	48	57	63	65	63	52	45	38	43	51	60	48.8
Mannington	Maximum	62	70	79	70	73	73	75	72	87	84	73	56	65	63	57	49	63	63	79	74	86	87	78	82	80	73	62	69	70	83	77	72.1
	Minimum	32	33	49	54	42	53	49	46	52	58	57	47	46	46	44	41	45	52	57	52	48	57	63	67	64	52	46	38	45	53	60	49.9
Morgantown	Maximum	62	70	80	70	73	71	75	71	88	88	73	56	66	63	58	47	63	63	80	75	90	89	78	83	81	74	54	71	67	86	82	72.8
	Minimum	34	42	52	56	46	52	46	52	57	62	55	45	45	49	44	40	44	51	59	50	51	65	64	60	64	51	41	40	51	60	62	51.4
New Cumberland§	Maximum	64	69	77	71	70	70	74	66	87	80	58	55	67	63	51	48	61	65	69	71	90	89	81	83	76	65	63	70	67	81	...	70.1
	Minimum	32	38	50	57	45	51	43	47	55	61	54	48	42	47	44	40	43	47	56	50	41	54	63	65	65	54	43	35	45	51	59	49.2
New Martinsville	Maximum	65	74	80	75	75	76	79	75	90	89	79	65	68	67	57	19	67	67	80	75	92	89	83	84	81	79	66	71	77	86	82	75.5
	Minimum	31	34	42	53	42	52	47	46	51	60	52	45	44	48	43	40	43	53	56	49	48	51	61	63	62	48	44	38	45	53	61	48.5
Parkersburg	Maximum	66	74	80	76	75	74	74	68	89	79	64	52	69	62	52	49	67	72	81	72	91	89	84	84	76	68	64	72	75	86	75	72.9
	Minimum	40	41	53	58	51	58	56	56	62	63	50	47	48	49	46	43	47	57	61	54	56	68	68	67	62	51	49	50	57	63	59	54.5
Parsons	Maximum	60	66	66	68	66	65	79	75	81	81	65	46	56	52	53	46	45	44	60	65	69	70	80	84	83	64	68	59	60	70	70	65.0
	Minimum	31	39	46	47	45	31	47	45	47	46	45	45	43	43	42	40	40	40	43	45	46	48	60	63	60	46	54	40	38	46	49	45.2
Philippi	Maximum	....	68	65	71	74	77	75	73	86	85	72	57	62	63	54	52	53	62	78	82	88	85	80	82	80	70	65	69	70	82	82	72.1
	Minimum	....	44	46	48	50	47	48	53	60	60	53	45	43	41	40	38	42	44	52	50	54	61	63	64	62	45	43	39	60	62	58	50.5
Pickens	Maximum	55	64	74	62	70	70	72	75	86	76	65	48	60	54	43	38	56	60	68	76	85	85	85	83	70	65	61	67	71	85	71	67.7
	Minimum	28	30	43	44	37	48	49	50	53	56	45	36	36	37	31	32	36	45	49	52	54	54	54	60	54	47	36	38	42	52	51	44.5
Terra Alta	Maximum	56	64	73	63	67	68	69	67	83	82	66	52	58	57	51	43	55	58	74	73	79	83	78	80	79	66	58	64	61	73	69	66.7
	Minimum	29	37	45	48	44	48	47	46	47	58	50	40	39	40	36	35	38	46	54	45	51	50	59	62	60	47	38	30	44	54	55	45.9
Wellsburg	Maximum	66	71	78	74	71	72	76	67	89	80	74	69	66	62	59	48	66	66	73	74	88	88	79	83	75	70	66	69	66	82	75	72.3
	Minimum	29	33	47	56	41	52	39	42	52	60	50	44	46	47	44	40	46	50	58	51	46	54	63	65	64	51	42	31	44	49	59	48.3
Weston	Maximum	58	68	80	80	80	81	81	75	86	80	68	58	56	51	55	55	60	65	80	82	89	88	88	76	80	80	70	70	75	82	82	73.[illegible]
	Minimum	31	32	41	45	48	54	49	42	52	62	42	44	35	42	43	40	41	52	62	64	51	52	64	62	64	62	50	60	62	44	40	49.4
Wheeling§	Maximum	75	81	76	77	78	80	64	91	80	62	57	70	64	53	50	69	67	74	74	92	94	82	85	78	69	69	73	72	88	76	76	74.1
	Minimum	34	45	51	43	46	44	48	54	58	55	45	44	49	42	38	40	47	54	49	48	57	63	62	53	52	44	37	45	52	58	46	48.5
Southern Division																																	
Bluefield	Maximum	....	79	78	74	75	76	77	....	88	81	80	58	65	65	....	65	65	71	81	83	83	....	84	80	80	69	68	65	....	....	80	74.8
	Minimum	....	36	49	56	47	51	55	....	58	66	53	44	44	44	....	48	48	62	62	59	59	....	62	64	61	55	44	51	....	....	50	53.1
Charleston	Maximum	68	76	82	76	78	80	84	74	92	80	65	53	72	62	55	50	70	77	83	84	93	90	81	86	77	74	71	75	84	88	80	76.1
	Minimum	37	37	37	51	45	48	53	55	56	59	58	46	45	45	48	41	42	42	58	59	56	62	65	61	64	57	48	50	54	57	66	51.9
Gary §	Maximum	66	76	79	71	80	79	79	70	90	82	72	55	69	63	60	54	67	74	85	85	89	88	80	83	73	80	75	72	81	84	77	75.4
	Minimum	44	34	44	53	47	49	58	56	54	63	54	45	43	49	42	42	37	49	55	58	58	60	60	59	62	55	49	49	51	60	60	51.6
Huntington §	Maximum	62	74	80	75	74	75	77	70	86	80	62	54	71	65	55	59	70	75	80	75	87	83	80	82	77	74	65	75	83	86	77	73.8
	Minimum	40	40	45	58	49	56	59	56	59	64	58	48	48	53	49	45	43	50	61	58	58	60	67	65	65	59	50	50	58	62	65	54.8
Lewisburg	Maximum	60	70	78	67	74	74	76	69	84	77	70	55	63	65	56	49	61	70	81	79	81	85	72	80	75	67	64	59	62	80	76	70.3
	Minimum	35	32	43	51	41	53	58	57	49	65	49	44	42	46	44	40	43	48	51	56	62	56	59	60	61	52	43	49	50	56	60	50.3
Marlinton	Maximum	56	66	72	64	70	70	70	66	84	74	66	50	54	56	50	48	54	66	76	80	78	80	70	80	70	68	64	52	58	78	76	66.6
	Minimum	30	26	40	46	38	46	44	52	58	56	48	42	38	38	40	38	40	44	50	52	56	54	54	58	58	48	46	48	48	52	48	46.3
Point Pleasant	Maximum	65	70	80	80	80	78	80	75	90	85	80	70	70	70	70	50	70	76	70	76	90	89	85	76	84	84	68	75	80	80	82	76.7
	Minimum	35	39	50	56	47	55	52	50	59	65	50	45	45	44	44	40	40	59	45	50	52	64	65	59	60	55	49	50	55	60	61	51.6
Ravenswood	Maximum	65	73	79	84	82	73	78	87	87	88	79	57	70	67	64	64	67	76	79	80	82	84	85	82	84	80	68	73	80	85	84	77.0
	Minimum	34	36	45	50	47	57	55	55	61	66	55	42	48	52	43	44	35	57	63	51	53	64	65	64	64	54	49	52	56	63	61	52.9
Robertsburg§	Maximum	68	75	80	76	76	74	78	76	93	80	61	55	74	66	54	52	71	75	82	80	95	87	80	87	77	70	77	75	83	86	74	75.4
	Minimum	33	35	47	56	44	52	56	56	56	60	53	45	44	52	44	42	37	42	57	51	52	62	64	59	61	57	47	50	55	60	62	51.3
Ryan	Maximum	60	70	75	75	78	78	80	70	82	80	78	65	68	60	57	47	65	70	79	72	88	89	77	84	73	67	64	76	80	80	77	73.0
	Minimum	30	31	45	54	41	53	53	50	52	53	60	54	43	51	42	40	38	48	56	54	50	51	62	66	61	53	44	49	51	59	61	50.2
Spencer §	Maximum	65	67	81	75	76	77	74	74	88	80	61	52	69	62	53	48	68	77	82	75	86	88	82	82	75	70	67	73	81	85	74	73.1
	Minimum	32	40	41	65	45	50	55	57	50	65	57	44	44	46	43	40	42	48	59	50	51	62	62	63	62	52	45	48	49	56	60	51.1
Sutton	Maximum	65	73	74	75	75	75	78	92	92	77	69	70	70	60	60	48	64	67	67	76	92	92	86	86	86	75	74	76	77	85	85	75.5
	Minimum	36	33	43	50	45	48	47	52	47	46	40	44	44	45	42	42	45	44	42	46	51	56	58	51	56	55	48	50	49	56	57	47.4
Union	Maximum	....	75	80	78	79	79	80	....	89	89	75	66	66	67	....	59	66	70	82	85	88	....	87	83	84	71	71	70	...	85	82	77.2
	Minimum	....	32	43	52	44	54	57	....	51	69	50	44	41	49	....	40	42	48	52	55	61	....	58	61	61	54	46	50	....	51	61	51.0
White Sulphur Spgs§	Maximum	78	84	73	81	79	83	72	94	82	78	58	71	69	62	56	70	78	90	89	90	92	82	90	80	74	74	53	64	90	77	....	77.1
	Minimum	21	40	50	43	53	55	58	48	60	49	46	42	47	44	41	45	45	51	53	62	56	59	61	59	50	46	48	59	52	59	50	49.5
Williamson§	Maximum	69	76	82	80	81	81	79	83	94	83	81	84	80	68	72	70	74	77	82	84	82	80	79	87	79	78	74	76	82	88	89	79.8
	Minimum	44	43	44	58	59	60	62	59	60	64	62	62	64	62	54	55	54	55	61	64	65	64	62	64	65	62	54	55	54	55	62	58.3

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 6-27-27--810)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXV PARKERSBURG, W. VA., JUNE, 1927 No. 6

GENERAL SUMMARY

With the exception of June in 1903 and 1907, the past month, with an average temperature of 65.7°, was the coolest June of State record. In 1903 the average temperature for June was 65.1°, and in 1907, 65.3. Until the 28th the month was nearly continuously cool, the temperature being only slightly above the normal for five or six days for that period. Light to heavy frosts also occurred in some of the mountain districts on the 2d, 6th, 16th, and 27th, with the temperature below the freezing point at Bayard, Davis, Pickens, and Terra Alta. These conditions were exceptionally unfavorable for plant growth. High temperature on the last two days caused a rapid advancement of crop growth. The precipitation was somewhat below the normal in nearly all localities, but was well distributed throughout the month and over the State. There was practically no damage from hail or high winds. At the close of the month corn was short, pastures were good, potatoes were making good growth, and a fair to good crop of wheat was being secured.

TEMPERATURE

The monthly mean for the State, determined from 47 stations, was 65.7°. The departure from the normal for 40 stations having ten or more years of record was —3.6°. The month opened cool and the temperature was also considerably below the normal from the 5th to the 8th, 13th to the 22d, and the 26th to the 28th, with the lowest readings occurring generally on the 6th. The 29th and 30th were warm days, with temperatures ranging generally from 90° to 95°.

PRECIPITATION

The average precipitation for the State, determined from 83 tations, was 4.08 inches. The departure from the normal for 7 stations having ten or more years of record was —0.33 inch. he rainfall was heaviest over the north-central counties and ightest over the southern and northwestern counties. The reater part of the rainfall was measured on the 3d-5th, 12-14th, 8-19th, 22-23d, and the 26th, the greatest 24-hour amounts eing noted on the 4th, 14th, and 18-19th.

HAIL

Light hail occurred in sections of the following counties on ates indicated: Grant, 5th; Harrison, 4th; Ohio, 4th and 5th; Preston, 4th, 12th, 23d, and 26th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 2d, 8th, and 12th; Bancroft, 6th, 8th, h, and 20th:- Charleston, 20th; Elkins, 1st, 8th, and 9th; lenville, 2d; Mannington, 1st, 2d, 6th, 9th. 15th, 25th, 28th, d 30th; Marlinton, 1st, 4th, 9th 11th, 16th, 20th, 25th, and om the 27th to the 30th, inclusive; Philippi, 20th; Pickens, th; Wellsburg, 15th.

Halos, lunar: Bayard, 10th, 17th, and 22d; Parkersburg, 9th.

Halos, solar: Bayard, 6th, 23d, and 25th.

Frost: Light to heavy frost occurred generally in the mountain sections on the 2d, 6th, 16th, and 27th.

Thunderstorms (dates and number of stations reporting): 4th, 9; 12th, 14; 13th, 2; 14th, 4; 19th, 2; 20th, 2; 22d, 2; 23d, 8; 25th, 4; 26th, 9; 27th, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity: Miles per hour	Max. velocity: Direction	Max. velocity: Date
Cincinnati, Ohio	30 02	77	58	66	326.6	73	4,498	6.2	27	sw.	4
Columbus, Ohio	30.02	82	67	67	309.9	69	6,537	9.1	43	w.	4
Elkins	30.03	87	60	70	211.9	48	3,351	4.7	26	w.	12
Lexington, Ky	30 02	82	72	....	224.8	51	8,033	11.2	40	sw.	21
Parkersburg	30.04	75	52	60	264.4	59	3,622	5.0	29	nw.	4
Pittsburgh, Pa	30.03	75	57	60	258.8	57	7,420	10.3	48	nw.	4
Wytheville, Va	30.00	81	61	73	270.0	61	3,607	5.0	26	w.	14

COMPARATIVE DATA FOR JUNE

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Year	Temperature			Precipitation				umber of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	[illegible]	......	......	5.02	......	......	......	......	......	......	......
1892	74.1	99	41	3.90	......	......	......	......	......	......	......
1893	70.2	99	40	3.81	6.41	1.83	......	10	13	10	7
1894	70.4	103	32	3.27	6 78	1.25	......	8	16	10	4
1895	72.1	102	38	2.92	5.66	1.20	......	7	15	10	5
1896	69.8	95	30	5.35	9.86	0.11	......	10	8	14	8
1897	69.3	96	35	4.31	6.77	1.31	......	10	12	12	6
1898	70.9	99	41	3.21	7.50	0.66	......	10	14	11	5
1899	72.0	98	35	4.99	8.93	1.46	......	11	14	9	7
1900	71.2	98	41	5.30	15.62	2.49	......	13	9	12	9
1901	70.7	104	32	5.67	11.10	1.37	......	13	12	12	6
1902	68.0	100	33	5.19	8.49	2.45	......	12	11	13	6
1903	65.1	93	34	4.80	12.30	2.01	......	13	8	11	11
1904	69.5	97	36	4.20	8.29	2.05	......	13	10	13	7
1905	70.6	100	34	4.38	7.72	1.47	......	11	13	11	6
1906	70.9	101	38	5.25	9.32	2.84	......	14	11	12	7
1907	65.3	97	33	6.00	11.95	1.93	......	14	10	11	9
1908	69.2	98	36	3.12	6.75	1.35	......	9	15	10	5
1909	71.1	101	35	5.73	9.19	2.47	......	16	9	13	8
1910	66.6	96	32	5.67	11.27	1.52	......	13	10	10	10
1911	70.7	101	40	4.44	9.34	1.88	......	11	14	10	6
1912	67.3	95	29	4.27	9.21	1.11	......	11	13	10	7
1913	69.5	99	29	3.44	6.55	0.86	......	9	18	8	4
1914	72.0	100	30	3.00	6.60	0.62	......	8	15	11	4
1915	67.7	95	33	3.63	7.09	1.21	......	9	15	8	7
1916	65.8	94	35	5.42	14.54	2.50	......	12	14	8	8
1917	67.7	99	31	3.81	6.58	1.38	......	12	14	9	7
1918	68.2	99	34	4.17	10.11	0.87	......	8	16	7	7
1919	73.0	100	40	5.06	10.15	1.67	......	10	16	8	6
1920	67.9	98	36	5.01	9.70	2.53	......	12	13	7	10
1921	72.4	101	38	4.01	8.67	0.47	......	9	15	9	6
1922	70.7	97	33	4.66	7.95	1.75	......	11	12	9	9
1923	70.2	102	35	4.54	10.37	1.25	......	11	16	7	7
1924	68.7	98	32	4.67	7.63	1.90	......	13	13	8	9
1925	72.2	109	35	3.51	8.06	1.05	......	9	16	8	6
1926	65.9	95	31	3.85	9.18	0.90	......	11	13	8	9
1927	65.7	99	29	4.08	9.93	2.10	......	11	12	8	10
1891-1927	69.6	109	29	4.42	15.62	0.11	......	11	13	10	7

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., June, 1927

See temperature and precipitation data in Climatological Tables, Pages 22, 23, and 24

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
rksburg	Evaporation	.077	.123	.189	.061	.128	.182	.080	.128	.172	.240	.300	.258	.165	.145	.000	.230	.156	.151	.012	.047	.131	.186	.149	.199	.165	.307	.102	.220	.220	.226	....	4.749
	Wind movement	50	50	64	46	78	81	20	25	27	38	63	49	49	54	48	60	30	39	31	40	29	33	44	43	70	33	95	27	29	55	....	1,400

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for June, 1927

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	26	60.6	− 2.7	90	30	29	6	49	9.93	+5.03	1.87	0	12	15	5	10	w.	U. G. Clark
Brandywine	Pendleton	1,586	11	62.1	− 5.8	91	30	36	6	39	3.20	−0.06	1.50	0	9	11	1	18	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	38	...	...	...	...	...	...	...	3.66	−0.04	1.17	0	10	...	...	...	...	J. C. Newcomer
Inwood	Berkeley	569	5	65.1[a]	...	95[a]	29	40	2	41[a]	3.64	...	1.08	0	11	20	2	8	nw.	L. E. Dills
Martinsburg	Berkeley	435	35	66.2	− 4.4	96	29†	40	2	43	4.84	+0.55	1.25	0	12	24	4	2	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	31	68.5	− 1.1	97	29	38	6	44	2.55	−1.61	1.14	0	8	26	3	1	...	M.S.Henkel
Piedmont	Mineral	1,053	14	64.4	− 4.4	94	30	39	6	39	3.99	+0.43	1.35	0	7	13	10	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	29	65.6[d]	− 4.3	95[d]	29	38[c]	2	43[e]	2.82	−1.30	1.18	0	6	9[c]	7[c]	11[c]	...	George E. Bergdoll
Stony River Dam	Grant	3,300	7	...	...	...	...	...	...	...	4.52	...	0.96	0	15	6	7	17	w.	A. C. Becker
Upper Tract	Pendleton	1,230	28	65.1[c]	− 2.8	93[c]	30	37[c]	2†	48	2.45	−1.74	1.85	0	3	8[d]	1[d]	17[d]	w.	J. M. Mallow
Averages and	extremes	...	...	64.7	− 3.6	97	29	29	6	49	4.16	+0.16	1.87	0	9	15	5	10	w.	
Northern Division																				
Aberdeen	Upshur	1,060	3	...	...	...	...	...	...	...	3.88	...	0.84	0	14	9	14	7	w.	L. Else Bond
Alma (near)	Tyler	...	0	...	...	...	...	...	...	...	3.61	...	1.33	0	9	8	12	10	...	D. N. Furbee
Bens Run	Pleasants	652	25	66.8	− 3.5	96	30	43	6	36	2.55	−1.97	1.20	0	6	12	13	5	...	J. D. Riggs
Benson	Harrison	1,080	4	65.4	...	92	30	36	6	46	3.17	...	1.07	0	10	10	17	3	...	R. D Marts
Brownsville	Lewis	1,032	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	W. B. Worley
Bruceton Mills	Preston	1,549	7	...	...	...	...	...	...	...	5.64	+1.06	2.08	0	9	4	17	9	w.	W. M. Wolf
Buckhannon	Upshur	1,411	30	64.5	− 4.1	88	30	40	2†	32	4.97	+0.08	1.48	0	9	16	7	7	...	H. A. Darnall
Clarksburg	Harrison	1,015	5	65.5	...	93	30	39	6	40	4.00	...	0.77	0	14	12	10	8	nw.	Clarksburg Water Board
Cortland	Tucker	3,300	16	...	...	...	...	...	...	...	4.82	+0.04	1.50	0	14	3	23	4	...	G. W. Harmon
Crawford	Lewis	1,107	4	...	...	...	...	...	...	...	5.47	...	1.63	0	13	13	12	5	w.	George W. Blair
Creston	Wirt	640	25	68.1	− 2.5	94	29	42	6	42	3.09	−1.18	1.38	0	7	21	0	9	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	6	...	...	...	...	...	...	...	3.64	...	1.55	0	11	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	11	...	...	...	...	...	...	...	4.99	+1.30	1.70	0	11	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	11	...	...	...	...	...	...	...	4.04	+0.54	1.26	0	11	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	6	...	...	...	...	...	...	...	5.87	...	1.99	0	15	...	...	...	...	Lockmaster
Davis	Tucker	3,093	18	...	...	...	...	...	...	...	6.37	+1.45	1.52	0	17	6	11	13	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	15	...	...	...	...	...	...	...	3.13	−0.69	0.95	0	12	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	26	62.0	− 4.9	86	30	36	6	36	5.23	+0.19	1.51	0	17	2	13	15	nw.	U. S. Weather Bureau
Evenwood	Randolph	3,240	2	...	...	...	...	...	...	...	4.45	...	1.09	0	17	0	15	15	...	Claude A. Cunningham
Fairmont	Marion	883	21	67.2[c]	− 3.2	95[c]	29†	40[c]	6	44[d]	7.17	+2.78	2.50	0	13	12[c]	7[c]	8[c]	w.	J. C. Robinson
Glenville	Gilmer	738	33	68.9	− 1.9	96	30	42	2†	41	4.37	−0.10	1.66	0	14	12	9	9	w.	Howard R. Brannon
Grafton (near)	Taylor	1,000	34	...	...	...	...	...	...	...	3.05	−1.54	1.46	0	8	...	...	...	...	Curtis Boice
Horner	Lewis	1,014	4	...	...	...	...	...	...	...	3.31	...	0.85	0	8	...	...	...	...	Thomas E. Miles
Horton	Randolph	2,840	2	...	...	...	...	...	...	...	2.68	...	0.57	0	13	12	3	15	w.	J. W. White
Janelew (near)	Lewis	1,020	4	67.0	...	95	30	37	6	44	3.48	...	1.00	0	7	17	8	5	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	29	64.8	− 3.0	93	30	35	6	47	2.62	−1.57	0.85	0	11	11	8	11	w.	Allen Smith
Mannington	Marion	985	24	65.6	− 2.5	91	30	37	6	39	4.23	+0.01	1.52	0	11	12	8	10	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	34	65.4	− 3.7	92	30	39	6	37	4.07	−0.44	1.60	0	7	4	18	8	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	29	62.8[a]	− 5.1	92[a]	29	38	2	41[a]	3.08	−1.59	1.06	0	14	8	8	14	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	33	66.9	− 4.5	95	30	39	6	37	3.55	−0.52	1.20	0	8	14	9	7	s.	Wm. Ankrom
Parkersburg	Wood	638	40	66.9	− 4.5	94	30	46	6	36	2.52	−2.13	1.28	0	11	11	7	12	nw.	U. S. Weather Bureau
Parsons ††	Tucker	1,649	27	...	...	...	...	...	...	...	6.31	+1.07	...	0	13	...	...	...	...	J. W. Swisher
Parsons No. 2	Tucker	...	1	...	...	...	...	...	...	...	5.89	+0.69	1.27	0	15	9[j]	7[j]	4[j]	...	Robert T. Deem
Philippi	Barbour	1,550	30	64.5[c]	− 3.9	90[b]	30	37[c]	6	36[c]	4.26	−0.26	...	0	15	12	11	7	w.	Prof Elwyn F. Chase
Pickens [a]	Randolph	2,697	24	61.0	− 4.1	86	30	30	6	42	3.98	−2.13	1.16	0	12	14	9	6	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	4	...	...	...	...	...	...	...	3.96	...	0.88	0	10	12	11	7	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	40	...	...	...	...	...	...	...	4.52	−0.50	0.99	0	12	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	18	...	...	...	...	...	...	...	3.07	−0.70	1.03	0	11	...	...	...	sw.	Wm. Hughes
Smithfield	Wetzel	850	21	68.2	+ 0.3	95	30	39	8	39	4.43	−0.16	1.97	0	8	20	7	3	...	Everett V. Price
Terra Alta	Preston	2,559	26	59.6	− 6.2	84	29†	31	2	40	5.42	−1.56	1.51	0	15	8	8	14	nw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	4	67.6	...	95	30	38	6	44	3.36	...	0.90	0	9	20	6	4	w.	J. C. Campbell
Wellsburg	Brooke	668	26	63.6	− 4.0	95	30	37	2	42	4.81	+0.32	1.93	0	6	16	10	4	w.	George P. Pfister
West Milford	Harrison	979	2	...	...	...	...	...	...	...	3.45	...	1.00	0	8	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	32	64.4	− 5.9	93	30	39	7	45	3.90	−0.65	1.20	0	8	3	25	2	...	Weston State Hospital
Wheeling	Ohio	645	40	65.0	− 5.9	99	30	35	8	48	3.82	+0.01	1.10	0	10	11	12	7	sw.	Miss M. B. Forsyth
Woodlands	Marshall	...	...	...	...	...	...	...	...	...	4.88	...	1.10	0	13	20	1	9	sw.	R. W. Rist
Averages and	extremes	...	...	65.3	− 3.8	99	30	30	6	48	4.15	−0.32	2.50	0	11	11	11	8	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	...	...	...	...	...	...	...	...	3.72	...	1.06	0	10	13	9	8	w.	H. S. Sutton
Bancroft	Putnam	574	23	67.4	− 3.5	95	30	45	16	41	5.56	+0.93	1.50	0	10	21	0	9	ne.	R. E. Dent
Bluefield [d]	Mercer	2 558	32	66.8	− 2.0	88	30	44	6	40	3.12	−1.66	0.75	0	10	10	11	5	...	Norfolk & Western Ry
Camden-on-Gauley	Webster	2,029	12	...	...	...	...	...	...	...	3.34	−1.80	1.10	0	4	6	0	24	s.	Miss Katie Jarvis
Charleston	Kanawha	600	24	66.9	− 6.1	92	30	41	2	41	4.18	−0.35	0.80	0	13	12	0	18	...	R O. Fields
Clay	Clay	706	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chilton Wilson
Dam 6 G. K††	Kanawha	598	...	...	...	...	...	...	...	...	3.80	...	0.76	0	13	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	11	...	...	...	...	...	...	...	3.39	−0.54	0.96	0	11	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	11	...	...	...	...	...	...	...	5.24	+1.36	2.26	0	12	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	11	...	...	...	...	...	...	...	4.01	...	0.95	0	12	...	...	...	...	U. S. Engineer Office
Gary	McDowell	1,426	11	68.7	...	90	30	46	6	35	3.15	−1.93	0.63	0	14	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	30	67.6[b]	− 2.9	...	...	44	6	33[b]	4.42	+0.19	1.66	0	13	2	9	19	...	Mrs J. R. Baber
Huntington	Cabell	538	31	67.9	− 4.7	92	30	46	6	31	5.13	+0.89	1.96	0	11	9	6	15	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	8	...	...	...	...	...	...	...	3.98	...	0.92	0	10	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	11	...	...	...	...	...	...	...	4.53	−1.23	1.48	0	14	...	...	...	...	Cabin Creek Con. Coal
Kermit	Mingo	579	1	...	...	...	...	...	...	...	2.99	...	0.75	0	9	...	...	...	...	E. B. Kirk
Lewisburg	Greenbrier	2,250	27	64.3	− 2.9	87	30	38	6	35	3.61	−0.63	1.24	0	11	15	5	10	nw.	Geo. T. Argabrite
Logan	Logan	700	24	...	...	...	...	...	...	...	4.19	−1.22	1.00	0	8	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	28	61.4	− 3.4	88	30	36	6	36	4.05	−0.91	1.12	0	9	7	18	5	sw.	S. L. Brown
Organ Cave	Greenbrier	...	1	...	...	...	...	...	...	...	2.10	...	0.45	0	9	13	1	16	w.	J. J Hedrick
Point Pleasant	Mason	595	34	67.8	− 4.6	95	30	41	6	43	3.53	−0.77	1.42	0	9	15	0	15	ne.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	12	66.4	...	96	30	41	6†	44	4.54	...	1.04	0	10	11	0	19	nw.	Lockmaster
Robertsburg	Putnam	570	27	66.0	− 5.3	95	30	42	6†	42	3.47	−0.58	0.69	0	12	16	0	14	...	M. Frazier
Ryan	Roane	700	24	64.0	− 5.1	93	30	36	6	42	5.86	+1.39	2.12	0	15	11	5	14	...	Wm. E. Ryan
Sharples	Logan	...	7	...	...	...	...	...	...	...	3.47	...	1.29	0	7	...	...	...	...	R. W. Howard
Sissonville	Kanawha	625	...	...	...	...	...	...	...	...	3.72	...	...	0	9	...	...	...	...	J. N. Johnson
Spencer††	Roane	789	23	64.6[a]	− 5.3	90[a]	29	40	2	41[a]	2.85	−1.50	0.58	0	12	10	14	6	...	A. M. McKown
Sutton	Braxton	850	21	65.4	− 7.4	94	30	42	6	40	4.68	−0.35	1.10	0	11	19	0	11	...	C. B. Eakle
Union [d]	Monroe	2,250	23	67.0	0	92	30	39	6	46	2.53	−1.79	0.86	0	10	9	6	11	...	W. M. H. Young
Wayne	Wayne	598	...	...	...	...	...	...	...	...	4.51	...	1.05	0	11	...	...	...	...	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	17	67.7[a]	− 0.3	96[a]	28†	39	5	48[a]	3.58	−0.98	1.00	0	15	17	10	3	...	H. E. Green
Williamson	Mingo	673	27	73.0	+ 1.0	95	30	50	6	32	3.93	−0.70	1.00	0	9	18	0	12	sw.	A. J. Maynard
Averages and	extremes	...	...	66.8	− 3.4	96	28†	36	6	48	3.95	−0.53	2.26	0	11	12	5	13	w.	
State averages and	extremes	...	...	65.7	− 3.6	99	30	29	6	49	4.08	−0.33	2.50	0	11	12	8	10	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for June, 1927

Stations	Drainage basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard⦀	Potomac				.17	1.29	.54	.12			T	.26		1.13	.71	1.34	T.			1.87	.59			.48			1.43	T					9.93
Brandywine	do		.50	.15	.05						.05		.20	T.	1.50				*	.25			.50										3.20
Burlington	do																																
Harpers Ferry ⦀	do	T.		.10	.03	.65		.01						.63	.35	.40				1.17	.07			.24									3.65
Inwood	do			.11	.25	.51	.02	.04						.35	.70	.38				1.08	.05			.12									3.61
Martinsburg ⦀	do	.05		.18	.05	1.05		.10						.45	.25	1.21				1.25		.05		.15			.05						4.84
Moorefield	do			.16	.35	.22								.14	1.11				.12	.35				.07									2.52
Piedmont	do			.06	1.28			.06							1.35				.06	.54							.14						3.49
Romney	do	.07	.52		.10	.55								.40	1.18																		2.82
Stony River Dam ⦀	do			.16	.15	.67	.02	.15	.03			.02		.46	.76	.68				.96	.04		.04		.04		.31						4.49
Upper Tract	do			.50									T.	T.	1.85			T.	.10					T.			T.						2.45
Northern Division																																	
Aberdeen	Monongahela			.27	.84	.05		.09			T.	.05	.80	.02	.71	.01		T.	.10	.32			.06	.19			.37						3.88
Alma	Ohio			.02	1.36			.01					.55		.69				.28	.25			.15				.30						3.61
Bens Run	do				1.20								.10						.40				.20	.05			.60						2.55
Benson	Monongahela			.15	1.07	.03		.05					.77		.40				.27	.26				.02			.15						3.17
Brownsville	do																																
Bruceton Mills	do		T.	.46	2.08	.05					T.	T.	.11	T	1.40			T.	.35	.41			.08			T.	.67						5.61
Buckhannon	do		T.	.38	.98	T.		.20			T.	.78	.30	.03	1.48			T.	.30					T.			.52						4.97
Cairo	Little Kanawha																																
Clarksburg ⦀	Monongahela			.38	.68	.77	.01	.02						.40	.35	.16			.14	.29			.02	.20	.01		.54						4.06
Cortland ⦀	do		.15	.20	.25	.30	.22				.25		.25	.85	.20				1.50	.25		.15	.15	.10									4.82
Crawford	Little Kanawha			.53	.88			.26					.52	.01	1.63	.01			.21	.05			.12	.66	.07		.52						5.47
Creston	Monongahela			.37		1.38								.31	T.	.22			.24	.14							.43						3.09
Dam 10, Mon. R.⦀	Ohio	.03		.22	.31	1.55								.02	.48	.21			.12	.55			.06				.09						3.64
Dam 12, O. R.⦀	do			.10	.31	1.70						.01			.90	.03			.02	.85	.01		.01				1.05						4.99
Dam 13, O. R.⦀	Monongahela			.30	.40	.30									1.26	.02			.05	.40	.02		.01	.08			1.20						4.04
Dam 15, Mon. R.⦀	do	.05		.63	.31	1.99	.18							.44	.48	.36			.09	.51	.05		.04	.06	.05		.63						5.87
Davis ⦀	do	.03		.10	.28	.88		.22	.02	T.	.23			.61	1.52	.61			T.	.93	.06		.05	.01	.18		.59	.02					6.37
Elizabeth (D'm 3 L K)	Little Kanawha				.95	.19		.04				.06		.55	.43	.14			.19	.18			.03	.12			.25						3.13
Elkins ***	Monongahela		.31	.02	.65		.04	.11			.15	.11	.39	.01	1.51			.10	.32	.26			.08	.86		.05	.26						5.23
Evenwood	do		.13	.19	.60	T.	.26		.11	.03	T.	.30	.47	.06	1.09	T.		.02	.19	.31		T.	.01	.39		.17	.12						4.45
Fairmont ⦀	do	.02		.70	.59	2.50	.09	T.						.84	.52	.30			.23	.60			.04	.02			.72						7.17
Glenville ⦀	Little Kanawha	.06		.48	.94	.72		.24				.04		.24	.33	.34			.22	.20				.03	.12		.41						4.37
Grafton (near) ⦀	Monongahela				1.46								.70	.02	.05			T.	.02	.04			.03	.03			.70						3.05
Horner	do			.30	.85								.50		.72				.12	.40				.12			.30						3.31
Horton	do			.13	.50	.04		.19				.14	.49	.06	.57				.17	.06			.05	.10			.18						2.68
Janelew (near)	do			.35	1.00								.68		.65				.10	.30							.40						3.48
Lost Creek	do			.20	.85	T.		.03					.35	.03	.48			T.	.20	.13			.09	.03			.23						2.62
Mannington	do		T.	.37	1.52	.12							.06		.55			.10	.48	.44			.05	.01			.53						4.23
Morgantown	do		T.	.16	1.60	T.									.67			.10	.34	.46			T.				.74						4.07
New Cumberland⦀	Ohio			.01	.48	.58	.03		.02			.46		T.	.68	.03	T.		.02	.14		.02	.10	.03			.48						3.08
New Martinsville	do				1.20	.10							.05		.75				.30	.10			.10				.95						3.55
Parkersburg ***	do		.01	.07	1.22	T.	T.				.10		.03	.05	.44			.03	.53			T.	T.			.02	.02						2.52
Parsons	Monongahela			*	*	*		1.72			*		*	*	2.43				*	.96			*	*	*	*	1.20						6.31
Parsons No. 2	do			*	*	1.42		*	*	*	*	*	.69		1.27	.52				.83					.11	.26	.79						5.89
Philippi	do			.16	.75	.35		.08	T.		.02	.04	*	*	1.15			T.	.35	.51	T.		.04	.27		*	.54						4.26
Pickens	do			.72	.31			.07				.10	.25	.15	1.16				.12	.34			.13	.08			.55						3.98
Roanoke	do			.41	.86			.13					.50	T.	.88			T.	.05	.51			.06	.31			.25						3.96
Rowlesburg ⦀	do			.51	.09	.99	.06							.30	.35	.42				.76	.04			.02	.32		.66						4.52
Saint Marys ⦀	Ohio			.02	1.03	.24					.02	T.		T.	.60	.12			.11	.38	T.		.02	.03			.50						3.07
Smithfield ⦀	Fishing Creek			.23	1.67									.09	.21				1.07	.90			.14				.12						4.43
Terra Alta	Monongahela		.01	.51	1.51	.21		.01				.01	.12	.01	.87				.04	1.06	.01		.02	.20			.83						5.42
Valley Chapel	do			.17	.82			.03				.01	.90		.58				.20	.25				.40									3.36
Vandalia	do																																
Wellsburg	Ohio			T.	1.93	.16									.75			T.	.19	.17			T.				1.61						4.81
West Milford	Monongahela			.20	.90							1.00			.50				.20	.30				.15			.20						3.45
Weston	do				1.20	.20							1.00	.60				.20	.10				.30			.30							3.90
Wheeling⦀	Ohio			.10	.40	.95	T					T.			.83	.02			.02	.38	.01		.01	T.			1.10	T.					3.82
Woodlands ⦀	do			.21	.64	.58	.03					.10			1.10				.16	.35	.02		.04	.88		.02	.75						4.88
Southern Division																																	
rbovale	Great Kanawha	.02		.70	.41			.22					.10	.14	1.06				.44	.38			.25										3.72
ancroft ⦀	do			.48	.79	.20		.15							1.50	.70			.77	.80			.07		.10								5.56
eckley	do																																
luefield	do			.75	.61		.10	.58			.10			.07	.48				.10		.06			.27									3.12
amden-on-Gauley⦀	do											.80									1.00		.44				1.10						3.34
harleston ⦀	do	.22		.62		.50		.27				.18		.06	.10	.80			.12	.43				.42	.22		.24						4.18
lay ⦀	do																																
am 6 G. K. ⦀	do	.14		.68	.04	.14		.44				.05			.50	.76			.08	.52				.23	.08		.14						3.80
am 19 O. R. ⦀	Ohio			.02	.96	.19						.27		.37	.60	.07			.48	.35			.03	T.			.05						3.39
am 20 O. R. ⦀	do			.03	2.26	.10						.56		.17	.40	.08			.84	.28			.02	.20			.30						5.24
am 26 O. R. ⦀	do	.02		.25	.75	.16		.08				.02			.45	.35			.95	.60					.10		.28						4.01
arv⦀	Big Sandy	.08		.62	.33	.09		.59	.02			.10			.63	.32			.05	.17				.11	.02		.02						3.15
inton ⦀	do	.09		1.66	.26	.22		.29	T.		.05	.16		.05	1.01	.17			.05	.24				.17									4.42
untington ⦀	Ohio	.04		.48	.24	.32		.14				.16	T.		.94	.52			.70	1.26				T.			.33						5.13
anawha Falls⦀	Great Kanawha	.20		.76		.27		.36						.45	.08	.92				.48				.14	.32								3.98
ayford⦀	do	.04		1.48	.12	.30	.32							.94	.03	.58			.05		.35		.01	.05	.15		.16						4.58
ermit ⦀	Big Sandy			.75	.25	.18		.50								.50				.25			.15			.20	.21						2.99
ewisburg	Great Kanawha			1.24	.27	.04	T.	.23			.43		.16	.37	.43				.17	.21			.06										3.61
ogan	Guyandotte			.65				.42							.21	1.00			.72	.31					.70		.15						4.19
arlinton	Great Kanawha			.78	.41		T.	.30			T.		.24	.08	1.12				.42	.22			.48										4.05
rgan Cave	do							.15	.20	.45	.30			.20	.30						.10	.15	.25										2.10
int Pleasant ⦀	Ohio			.20	1.42	.25									.41	.22			.61	.27			.03				.12						3.53
avenswood (Dam 22	do			.15	.84	.56						1.04		.05	.40	.18			.42	.35							.55						4.54
bertsburg ⦀	Great Kanawha			.11	.69	.58		.08				.03			.37	.37			.55	.33				.04	.14		.18						3.47
an	do		.16	.32	2.12	.01	.01					.28	.01	.25	1.77			.02	.45	.02			.02		.30		.12						5.86
arples⦀	Coal River			.55		.08						.08				.90			.30	.27			T.	T.	1.29		T.						3.47
sonville ⦀	Great Kanawha			.51	.17		*	.57						*	*	1.76			*	.71													3.72
encer ⦀	do	T.		.34	.24	.29		.08				.10		.06	.58	.41			.16	.10				T.	.12		.37						2.85
tton	do			.65	1.05						.25		.30	.15	1.10				.32	.11			.15	.10			.50						4.68
ion	do	.03		.86	.18			.19			.07			.04	.42				.14		.06			.54									2.53
ayne ⦀	Big Sandy	.18		.70		.40		.23	.01			.09			1.05				.20	.57					.33		.75						4.51
ite Sulpr. Spgs.⦀	Great Kanawha		1.00	.05	.20		.25	.03		.15	.12		.28	.73	.30			.04	.20	.10		.03	.10										3.58
illiamson ⦀	Big Sandy	T.		1.00	.30	T.		.16							.10	.95			.07	.38			T.		.45		.52						3.93

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

⦀ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete.

Daily Temperatures for June, 1927

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	65	72	66	73	68	63	63	76	83	83	81	84	77	62	65	70	71	67	58	72	80	82	75	77	82	82	74	85	86	90	....	74.4
	Minimum	44	30	50	49	57	29	47	38	37	44	63	48	51	48	43	31	42	51	46	50	46	60	58	56	48	53	34	36	49	65	....	46.8
Brandywine	Maximum	72	75	70	74	78	75	60	70	80	82	78	83	67	67	65	62	70	60	66	68	74	85	85	72	70	65	68	74	87	91	....	73.3
	Minimum	51	49	50	54	54	36	50	42	45	61	60	55	57	54	48	48	40	52	50	51	50	55	57	56	54	55	41	41	50	61	....	50.9
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Inwood	Maximum	64	71	63	73	77	67	66	78	85	90	87	86	75	63	69	72	72	68	70	71	73	91	85	78	87	83	80	84	95	....	....	76.8
	Minimum	49	40	49	54	55	44	53	47	51	60	70	58	55	54	49	45	50	50	56	60	55	61	62	50	54	62	45	43	57	65	....	43.4
Martinsburg§	Maximum	68	74	65	75	78	70	70	80	85	88	88	88	75	78	75	75	73	70	72	75	80	90	85	80	87	80	78	84	96	96	....	79.3
	Minimum	50	40	54	54	54	41	54	46	49	57	71	57	54	42	47	42	47	47	58	58	56	62	64	61	58	68	49	46	53	58	....	53.2
Moorfield	Maximum	76	77	75	77	81	79	70	83	88	94	92	90	92	74	73	75	77	72	69	78	86	94	91	82	95	92	78	89	97	96	....	83.1
	Minimum	55	39	55	57	67	38	54	46	48	57	68	58	58	53	50	39	40	54	52	52	54	68	65	60	57	66	45	46	53	64	....	53.9
Piedmont	Maximum	67	70	64	69	73	68	68	76	85	87	85	86	75	64	69	71	73	66	67	74	81	87	85	79	89	82	75	84	90	94	....	76.8
	Minimum	49	40	54	58	56	39	52	45	47	53	52	54	55	53	54	40	40	51	51	56	55	60	64	59	54	56	44	45	56	70	....	52.1
Romney	Maximum	75	60	64	72	72	68	....	....	....	89	85	89	75	70	70	74	75	70	72	82	85	90	82	89	92	75	77	88	95	....	....	78.3
	Minimum	46	38	53	55	62	39	53	....	....	....	45	57	55	52	49	39	52	55	50	57	53	64	65	62	55	65	43	45	54	66	....	52.9
Upper Tract	Maximum	78	77	70	70	78	77	76	77	....	87	88	85	86	65	68	70	....	70	67	68	....	78	78	80	89	86	87	90	89	93	....	78.8
	Minimum	40	37	53	55	56	37	38	42	....	47	57	66	56	51	49	49	....	64	50	51	....	52	51	56	57	63	60	42	41	69	....	51.4
Northern Division																																	
Bens Run	Maximum	67	68	77	80	76	63	75	80	85	87	84	84	73	65	70	76	76	69	72	79	86	82	83	79	88	81	77	87	92	96	....	78.6
	Minimum	49	45	50	62	60	43	57	50	53	60	65	59	50	53	48	45	53	57	52	52	57	56	69	60	57	60	47	51	58	68	....	54.9
Buckhannon	Maximum	68	72	72	77	72	66	67	73	79	82	80	83	73	65	66	65	75	65	65	72	83	82	80	73	81	65	71	80	84	88	....	74.1
	Minimum	49	40	46	68	61	40	52	47	48	58	67	61	61	55	52	44	63	55	55	53	53	67	64	62	57	53	46	48	55	66	....	54.9
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Clarksburg §	Maximum	62	77	72	78	71	66	73	79	85	85	82	88	79	57	68	75	80	67	68	79	88	85	81	80	88	67	77	86	90	93	....	77.5
	Minimum	46	42	52	59	57	39	53	47	47	57	69	58	55	54	47	41	52	57	54	50	52	62	67	62	57	62	45	46	53	63	....	53.5
Creston	Maximum	76	82	79	81	74	75	78	82	87	88	86	87	78	78	78	79	77	73	75	84	85	84	85	84	84	81	88	84	94	93	....	82.0
	Minimum	56	53	50	61	51	42	55	47	48	49	72	61	55	54	50	43	53	56	56	52	52	54	66	54	55	61	46	56	63	56	....	54.2
Elkins	Maximum	58	70	66	74	69	67	65	73	81	81	79	82	74	70	63	70	71	61	63	72	79	80	75	75	84	70	72	80	85	86	....	73.2
	Minimum	42	38	55	57	47	36	49	45	45	54	61	58	55	52	44	40	49	51	53	52	51	65	63	58	55	49	44	45	52	61	....	50.9
Fairmont§	Maximum	68	77	70	80	72	66	....	....	....	91	90	87	76	60	74	79	80	65	67	81	88	85	85	83	91	72	80	91	95	95	....	79.6
	Minimum	48	43	52	60	57	40	54	....	....	....	68	57	63	54	47	43	54	59	54	52	52	70	67	61	57	61	41	47	57	65	....	54.9
Glenville	Maximum	74	78	78	80	79	74	76	82	88	88	87	89	83	83	80	78	88	75	74	82	86	85	83	82	89	87	80	89	92	96	....	82.8
	Minimum	50	42	55	59	55	42	54	49	50	59	59	61	58	54	51	44	55	57	57	53	53	70	67	60	59	62	47	48	55	65	....	55.0
Lost Creek	Maximum	65	74	71	77	75	64	72	80	84	86	82	86	74	66	70	76	77	65	70	78	85	82	80	86	84	80	77	87	90	93	....	77.9
	Minimum	43	36	55	57	56	35	51	44	44	55	67	55	53	53	45	37	50	55	54	48	49	69	67	66	54	59	40	40	51	60	....	51.6
Mannington	Maximum	69	72	68	76	74	63	71	75	80	84	81	82	72	68	68	71	76	64	65	76	83	81	81	77	84	81	74	82	88	91	....	79.2
	Minimum	45	41	54	58	55	37	51	46	48	54	64	54	50	53	45	39	50	54	53	51	50	69	66	60	55	59	42	43	52	61	....	52.0
Morgantown	Maximum	70	72	66	76	77	64	73	78	84	85	84	82	74	70	69	74	78	63	62	76	85	83	83	78	84	82	76	85	91	92	....	77.2
	Minimum	45	42	54	59	57	39	52	52	52	60	63	57	48	52	46	41	54	51	51	54	58	67	67	59	58	56	43	48	59	68	....	53.7
New Cumberland§	Maximum	68	73	69	79	68	65	73	80	82	87	82	68	69	65	68	73	77	63	64	78	85	84	80	78	86	70	78	86	92	....	....	75.5
	Minimum	40	38	44	59	58	46	43	45	52	57	55	47	45	51	44	44	46	56	45	50	54	58	61	56	55	50	46	48	51	63	....	50.2
New Martinsville	Maximum	73	75	76	80	78	66	77	81	86	88	85	87	86	71	70	77	78	75	71	80	87	84	84	82	89	88	79	88	94	95	....	80.7
	Minimum	44	42	50	59	54	39	49	44	50	57	60	53	46	50	44	42	49	54	52	50	52	66	64	57	53	57	45	69	80	63	....	53.1
Parkersburg	Maximum	62	72	78	83	72	63	75	80	86	88	82	81	73	64	69	72	75	62	73	79	83	82	82	76	87	74	75	86	92	94	....	77.3
	Minimum	52	47	54	63	53	46	55	54	54	64	66	59	53	54	52	50	56	57	58	53	58	72	64	59	58	57	51	50	60	67	....	56.5
Parsons	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Philippi	Maximum	74	72	70	77	77	73	69	76	77	80	85	85	....	....	70	73	76	69	67	74	81	83	78	77	83	80	79	84	87	90	....	77.4
	Minimum	45	39	43	59	45	37	51	49	51	55	61	....	....	....	49	40	47	54	51	49	63	66	66	59	54	48	43	49	56	65	....	51.6
Pickens	Maximum	61	77	69	73	69	69	61	75	81	80	82	83	76	66	70	75	....	62	65	75	82	81	76	76	83	69	77	83	85	86	....	74.8
	Minimum	46	35	49	52	42	30	46	40	44	45	51	52	52	48	37	49	....	47	49	46	51	60	51	53	50	50	46	41	50	57	....	47.2
Terra Alta	Maximum	64	71	58	70	67	64	64	70	78	79	77	78	70	62	62	67	68	61	57	70	79	78	72	71	80	76	71	78	84	84	....	71.0
	Minimum	43	31	49	51	54	32	48	44	40	48	62	51	51	51	45	32	46	47	47	51	46	65	63	55	51	53	33	39	55	67	....	48.3
Wellsburg	Maximum	67	71	68	79	75	66	75	79	84	86	85	75	69	65	75	74	78	65	64	76	86	83	81	79	86	79	79	86	93	95	....	77.4
	Minimum	46	37	51	58	53	38	41	43	49	54	52	52	42	51	40	38	46	55	53	49	50	70	61	56	56	57	43	45	51	61	....	49.9
Weston	Maximum	71	70	73	75	75	70	70	78	82	85	85	86	80	72	74	74	75	75	68	70	88	85	85	84	85	85	80	88	88	93	....	79.0
	Minimum	42	40	40	45	42	53	39	42	48	50	52	62	54	49	48	42	40	45	45	59	68	60	62	42	40	48	50	55	62	68	....	49.7
Wheeling§	Maximum	66	77	70	79	72	68	80	83	87	91	88	76	76	62	72	78	81	64	68	80	88	88	85	82	89	71	79	89	95	99	....	79.4
	Minimum	46	40	50	59	55	40	44	35	50	55	60	54	42	50	40	40	45	57	52	48	53	58	74	55	53	55	44	47	52	63	....	50.5
Southern Division																																	
Bluefield	Maximum	70	73	78	76	....	79	67	79	82	79	78	....	84	79	68	71	71	60	....	76	77	81	80	79	79	....	85	83	86	88	....	77.2
	Minimum	56	50	59	60	....	44	52	47	57	64	65	....	62	63	57	46	57	51	....	50	59	64	65	58	60	....	45	54	58	62	....	56.3
Charleston	Maximum	71	82	78	83	76	70	70	81	87	87	87	89	80	64	74	78	85	65	76	83	78	73	80	82	82	77	70	78	84	92	....	78.7
	Minimum	54	41	47	58	61	44	45	53	52	55	65	65	57	59	52	47	49	56	55	55	56	60	66	60	61	62	50	50	52	65	....	55.1
Gary §	Maximum	74	80	81	83	77	74	69	80	85	80	85	87	86	83	71	76	75	68	75	80	83	84	82	80	87	79	81	85	88	90	....	80.3
	Minimum	59	51	59	58	58	46	51	50	52	58	64	64	66	63	57	48	51	58	57	54	55	66	65	61	60	64	50	50	56	63	....	57.1
Huntington §	Maximum	68	75	75	84	74	65	73	78	85	87	85	86	72	60	70	74	74	65	75	80	85	81	82	76	85	72	76	84	89	92	....	77.6
	Minimum	55	50	58	60	60	46	51	52	54	60	69	66	59	55	54	48	54	60	58	58	60	69	70	60	60	67	54	53	58	68	....	58.2
Lewisburg	Maximum	67	74	65	71	70	68	66	75	81	78	80	85	79	78	66	71	72	61	69	75	77	81	78	77	84	77	75	81	84	87	....	75.1
	Minimum	53	43	56	55	59	38	51	45	49	60	64	58	59	57	53	51	52	49	49	50	54	65	63	55	55	62	42	46	53	60	....	53.5
Marlinton	Maximum	76	72	58	68	58	70	68	70	78	78	80	82	78	74	66	64	68	58	66	74	72	76	74	76	78	72	66	78	84	88	....	72.3
	Minimum	44	42	54	52	50	36	48	46	46	54	62	62	56	54	48	46	46	46	46	48	56	62	60	52	54	52	40	42	52	56	....	50.4
Point Pleasant	Maximum	85	85	75	82	76	70	75	82	82	88	90	87	80	68	72	77	78	72	80	80	84	82	88	85	85	86	78	89	90	95	....	81.5
	Minimum	65	42	55	60	60	41	55	48	50	50	62	60	51	51	49	44	50	58	59	50	55	70	65	55	55	61	46	48	47	60	....	54.1
Ravenswood	Maximum	74	73	77	81	78	69	74	81	84	86	86	86	78	70	71	76	76	74	76	81	82	80	83	81	85	86	77	89	92	96	....	80.1
	Minimum	49	42	55	62	58	41	54	48	50	62	65	53	45	44	50	43	53	47	57	53	55	60	67	47	41	63	47	47	58	64	....	52.7
Robertsburg§	Maximum	72	76	76	81	72	65	75	82	88	86	85	85	75	62	74	74	78	63	76	84	83	83	85	72	86	72	80	88	91	95	....	78.8
	Minimum	50	44	53	53	58	42	44	47	50	57	66	61	53	53	49	42	51	55	55	53	53	65	65	57	56	61	47	46	51	63	....	53.3
Ryan	Maximum	67	60	70	75	70	64	72	75	80	84	82	83	75	65	70	75	75	63	70	78	80	80	75	75	82	73	68	85	90	93	....	75.1
	Minimum	46	39	54	59	53	36	52	44	44	59	64	47	51	52	48	38	49	54	55	58	62	66	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	65	....	52.8
Spencer §	Maximum	65	75	76	80	74	65	74	78	79	85	83	85	77	67	62	67	74	65	74	79	83	82	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	....	76.2
	Minimum	47	40	56	55	52	41	50	47	48	62	66	69	56	55	44	42	44	53	54	50	51	65	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	69	....	52.9
Sutton	Maximum	72	72	73	73	73	73	72	73	87	87	86	86	75	71	68	74	75	75	74	79	81	81	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94	....	78.6
	Minimum	51	45	55	51	54	42	54	48	49	59	61	57	55	51	53	46	49	52	51	52	53	53	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54	....	52.1
Union	Maximum	70	75	76	76	....	77	68	79	84	82	87	....	88	86	69	73	72	68	....	80	80	84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92	....	80.2
	Minimum	52	46	57	54	....	39	52	45	51	61	64	....	59	61	55	50	52	51	....	48	56	66	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	59	....	53.7
White Sulphur Spgs§	Maximum	78	65	79	80	72	73	85	92	85	90	91	88	85	70	70	71	60	80	85	80	89	86	[illegible]	93	84	85	90	96	96	....	....	82.2
	Minimum	42	56	55	58	39	43	47	51	60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51	49	57	64	62	[illegible]	53	62	43	42	50	59	63	....	53.2
Williamson§	Maximum	84	82	82	81	80	76	71	84	89	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	[illegible]	86	92	84	81	86	93	95	....	84.8
	Minimum	62	61	62	63	62	50	52	57	59	63	69	68	67	65	59	53	55	58	59	60	61	63	72	66	67	65	56	58	61	65	....	61.3

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 7-28-27—810)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXV PARKERSBURG, W. VA., JULY, 1927 No. 7

GENERAL SUMMARY

July averaged slightly cooler and somewhat wetter than usual. The highest and lowest temperatures, however, were well within previous July records. The nights were generally cool. Most of the precipitation occurred during thunderstorms, the rainfall being unevenly distributed over the State. Heavy to excessive rains occurred in many localities of the central and northern counties on the 7th and 22d, causing considerable damage to crops on creek bottoms. The greatest 24-hour amount noted, 4.30 inches, was at Sutton on the 22d. At Elkins 3.50 inches fell on the 7th. There was practically no damage from hail. During the warm periods of the month crops made rapid growth, but corn was backward and short at the close of the month. A good crop of wheat was secured under generally favorable conditions. The hay crop was large, but somewhat weedy. Potatoes made good growth.

TEMPERATURE

The monthly mean for the State, determined from 50 stations, was 72.3°. The departure from the normal for 41 stations having ten or more years of record was -0.5°. The month opened warm and the temperature was considerably above the average from the 12th to the 17th and the 28th to the 30th. Cool weather prevailed from the 3d to the 11th and the 22d to the 27th, with the lowest temperatures occurring generally on the 5th. The warmest weather occurred generally on the 1st and 13th.

PRECIPITATION

The average precipitation for the State, determined from 85 stations, was 5.09 inches. The departure from the normal for 56 stations having ten or more years of record was +0.42 inch. The rainfall was heaviest over the central and northern counties and lightest over the eastern and extreme southern counties. Most of the rainfall was received on the 2-3d, 7-8th, 14-17th, 22-23d, and 29th-31st, the greatest 24-hour amounts being measured on the 7th, 16th, 22d, and 31st. There were scattered and generally light showers on the 10th, 11th, 19th, 20th, and 28th.

HAIL

Light hail fell in sections of the following counties on dates given: Grant, 21st; Greenbrier, 8th; Upshur, 7th. Moderate ail fell in sections of Tucker County on the 6th, and in sections f Braxton County on the 22d.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 2d, 12th, 18th, 19th, 25th, and 27th; ancroft, 1st, 5th, 12th, 13th, 19th, 20th, 21st, 26th, 27th, nd 28th; Elkins, 1st and 26th; Fairmont, 1st.

Halo, solar: Bayard, 18th.

Frost, light: Bayard, 5th and 6th; Horton, 4th and 5th.

Thunderstorms (dates and number of stations reporting): 1st, 6; 2d, 3; 6th, 2; 7th, [illegible], 1; 10th, 3; 11th, 5; 13th, 2; 14th, 14; 15th, 14; 16th, 4; 17th, 8; 18th, 3; 20th, 5; 21st, 9; 22d, 17; 23d, 6; 27th, 1; 29th, 7; 30th, 9; 31st, 6.

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PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a.m.	local noon	8 p.m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity: Miles per hour	Max. velocity: Direction	Max. velocity: Date
Cincinnati, Ohio	30.01	77	53	62	355.2	78	4,258	5.7	25	nw.	14
Columbus, Ohio	30.01	77	63	66	308.1	68	5,997	8.1	46	nw.	14
Elkins	30.03	89	60	72	263.1	58	3,011	4.0	36	w.	7
Lexington, Ky	30.02	76	65	....	264.2	59	8,322	11.2	37	sw.	14
Parkersburg	30.03	76	55	68	243.8	54	3,434	4.6	27	nw.	2
Pittsburgh, Pa	30.01	75	56	59	286.0	62	6,964	9.4	44	sw.	14
Wytheville, Va	30.03	84	56	72	322.0	72	3,374	4.5	25	n.	2

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	67.5	......	......	5.59	......	......	......	......	......	......	......
1892	73.4	98	41	4.20	......	......	......	9	......	......	......
1893	73.8	98	42	2.96	5.95	1.37	......	9	20	10	1
1894	73.3	100	36	2.21	4.84	0.50	......	7	10	19	2
1895	70.5	99	39	4.35	7.04	1.65	......	9	11	13	7
1896	73.3	97	46	9.07	15.70	2.91	......	14	9	12	10
1897	74.2	102	46	5.43	9.92	2.85	......	13	11	12	8
1898	75.0	103	40	4.46	8.33	1.53	......	13	12	7	12
1899	73.3	100	33	3.78	7.92	0.20	......	9	14	10	7
1900	74.7	104	41	4.38	7.88	1.72	......	13	15	11	5
1901	77.4	104	47	3.16	6.21	0.69	......	9	14	12	5
1902	74.2	104	45	3.54	8.42	0.96	......	8	14	12	5
1903	72.5	100	37	3.74	8.30	1.82	......	10	16	10	5
1904	71.5	97	42	3.28	6.00	1.04	......	10	14	12	5
1905	73.3	98	43	5.92	10.64	3.00	......	14	12	11	8
1906	72.4	98	45	4.54	7.40	1.50	......	12	12	11	8
1907	72.7	98	42	6.66	13.36	1.99	......	13	12	14	5
1908	74.0	100	41	5.21	9.43	2.08	......	11	14	13	4
1909	70.2	96	36	4.17	10.50	0.60	......	11	14	11	6
1910	73.8	98	41	4.92	13.16	0.54	......	11	13	12	6
1911	73.3	106	40	2.82	6.94	0.40	......	5	16	12	3
1912	72.0	100	45	7.48	15.22	2.67	......	13	12	12	7
1913	74.2	103	40	5.80	10.07	2.14	......	12	15	12	4
1914	73.1	106	38	4.11	7.74	0.98	......	7	16	10	5
1915	71.9	99	38	4.63	11.31	1.82	......	13	12	11	8
1916	74.8	102	42	3.49	9.47	1.06	......	9	16	8	7
1917	72.6	104	44	4.83	8.27	1.25	......	12	14	10	7
1918	70.3	101	38	3.18	6.90	1.04	......	8	17	7	7
1919	74.3	104	41	5.51	13.08	1.96	......	10	18	7	6
1920	70.1	99	40	4.84	8.94	2.34	......	10	16	8	7
1921	75.6	101	44	3.58	8.90	1.08	......	9	16	10	5
1922	72.9	99	43	4.53	8.05	1.33	......	11	15	8	8
1923	71.7	100	37	4.70	9.46	2.22	......	10	16	8	7
1924	70.0	99	36	4.49	7.63	1.65	......	11	16	9	6
1925	72.2	102	31	5.05	7.84	1.08	......	11	13	11	7
1926	72.6	107	37	4.45	8.07	0.83	......	10	15	8	8
1927	72.3	100	36	5.09	12.40	1.65	......	10	15	9	7
1891 1927	72.8	107	31	4.60	15.70	0.20	......	10	14	11	6

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., July, 1927

See temperature and precipitation data in Climatological Tables, Pages 26, 27, and 28

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
larksburg	Evaporation	.224	.232	.240	.215	.205	.205	.150	.125	.235	.099	.245	.244	.244	.300	.210	.181	.226	.197	.244	.222	.145	.230	.137	.117	.221	.212	.201	.210	.249	.158	.031	6.154
	Wind movement	29	36	49	74	58	39	56	52	65	34	26	34	31	42	48	34	33	48	30	34	38	40	42	67	53	23	33	44	46	33	71	1,342

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for July, 1927

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	26	66.8	-0.8	90	13†	36	5	41	5.90	+0.96	1.23	0	10	18	10	3	nw.	U. G. Clark
Brandywine	Pendleton	1,586	11	68.8	-2.1	91	14†	40	5	36	5.70	+2.07	1.45	0	12	14	7	10	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	38	......	......	......	......	......	......	......	3.41	-0.08	1.10	0	10	......	......	......	......	J. C. Newcomer
Inwood	Berkeley	569	5	74.1^{a}	......	97^{a}	13†	50	6	33^{a}	2.56	......	0.70	0	5	15	7	9	se.	L. E. Dills
Martinsburg††	Berkeley	435	35	74.2^{a}	-1.2	98^{a}	13†	48	6	35^{a}	2.16	-1.66	0.60	0	8	25	6	0	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	31	75.4	+1.2	100	28	46	5	38	2.92	-0.50	0.65	0	11	30	1	0	......	M. S. Henkel
Piedmont	Mineral	1,053	14	72.0	+0.1	95	13	46	5	35	2.51	-1.18	0.92	0	6	16	8	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	29	73.6^{b}	-1.3	97^{b}	13	46	5†	36^{d}	3.43	-0.19	1.01	0	6	14	6	11	......	George E. Bergdoll
Stony River Dam	Grant	3,300	7	......	......	......	......	......	......	......	4.56	......	0.90	0	12	6	11	14	w.	A. C. Becker
Upper Tract	Pendleton	1,230	28	69.6^{d}	-2.4	90^{d}	13†	40^{d}	6	38^{d}	1.65	-2.03	0.80	0	7	18^{b}	2^{b}	9^{b}	w.	J. M. Mallow
Wardensville	Hardy	1,200	9	70.0^{a}	......	97^{a}	13	43	2	43^{a}	3.37	......	0.76	0	10	11^{g}	4^{g}	9^{g}	......	Luther F. Sutton
Averages and	extremes	......	......	71.3	-0.9	100	28	36	5	43	3.60	-0.14	1.45	0	9	16	7	8	w.	
Northern Division																				
Aberdeen	Upshur	1,060	3	......	......	......	......	......	......	......	5.61	......	1.39	0	10	12	13	6	w.	L. Else Bond
Alma (near)	Tyler	......	0	......	......	......	......	......	......	......	4.91	......	1.00	0	12	9	15	7	......	D. N. Furbee
Bens Run	Pleasants	652	25	74.2	-0.7	95	1†	49	4†	32	5.81	+1.26	1.78	0	9	14	12	5	......	J. D. Riggs
Benson	Harrison	1,080	4	72.0	......	94	14	38	5	48	6.92	......	1.70	0	12	16	13	2	......	R. D. Marts
Bruceton Mills	Preston	1,549	7	......	......	......	......	......	......	......	3.47	-1.83	0.85	0	10	1	25	5	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	30	70.2	-1.8	87	1†	44	5	31	5.92	+0.58	1.95	0	8	20	5	6	......	H. A. Darnall
Clarksburg	Harrison	1,015	5	72.5	......	95	13	43	5	37	4.59	......	1.55	0	10	11	13	7	nw.	Clarksburg Water Board
Cortland	Tucker	3,300	16	......	......	......	......	......	......	......	7.05	+1.05	1.42	0	8	7	20	4	......	G. W. Harmon
Crawford	Lewis	1,107	4	......	......	......	......	......	......	......	7.77	......	1.99	0	12	15	13	3	w.	George W. Blair
Creston	Wirt	640	25	74.0	+3.4	97	1	47	5	38	9.40	+5.83	2.61	0	11	20	0	11	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	6	......	......	......	......	......	......	......	3.53	......	1.25	0	10	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	11	......	......	......	......	......	......	......	3.13	-0.29	1.10	0	9	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	11	......	......	......	......	......	......	......	4.06	+0.21	2.00	0	9	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	6	......	......	......	......	......	......	......	3.19	......	1.33	0	9	......	......	......	......	Lockmaster
Davis	Tucker	3,093	18	......	......	......	......	......	......	......	4.78	-0.78	1.02	0	10	......	......	......	......	Ross C. Male
Elizabeth (Dam 3 L. K.)	Wirt	615	15	......	......	......	......	......	......	......	8.71	+4.42	2.05	0	13	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	26	68.4	-1.9	87	13	41	5	35	7.35	+2.71	3.50	0	12	4	18	9	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	2	......	......	......	......	......	......	......	7.09	......	2.09	0	10	11	12	8	......	Claude A. Cunningham
Fairmont	Marion	883	21	74.4	+0.6	99	13	45	5	37	3.55	-1.05	1.36	0	10	21	6	4	w.	J. C. Robinson
Glenville	Gilmer	738	33	75.0	+0.1	96	1	46	4†	38	7.57	+2.28	1.91	0	14	13	12	6	w.	Howard R. Brannon
Grafton^{b}	Taylor	1,000	34	73.8	+1.0	95	21	46	4	37	......	......	......	0	......	17	8	4	e.	Curtis Boice
Horner	Lewis	1,044	4	......	......	......	......	......	......	......	7.16	......	2.25	0	10	......	......	......	......	Thomas E. Miles
Horton	Randolph	2,840	2	......	......	......	......	......	......	......	5.34	......	1.21	0	14	13	5	13	w.	J. W. White
Janelew (near)	Lewis	1,020	4	73.4	......	99	21	41	5	44	5.24	......	1.29	0	6	21	8	2	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	29	71.1	-1.1	94	13	39	5	40	6.22	+1.44	2.18	0	9	15	9	7	w.	Allen Smith
Mannington	Marion	985	24	70.4	-1.6	91	13	42	5	34	3.15	-1.82	1.04	0	11	16	8	7	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	34	73.7	+0.2	98	13	44	5	36	1.97	-3.01	0.52	0	7	7	15	9	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	29	71.8^{a}	-1.0	95^{a}	13	44	5	37^{a}	5.22	+0.93	2.40	0	14	9	12	10	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	33	73.2	-2.1	96	13	43	5	39	3.85	-0.95	0.85	0	9	18	8	5	s.	Wm. Ankrom
Parkersburg	Wood	638	40	74.4	-1.0	94	13	51	5	30	4.45	-0.21	1.12	0	13	9	9	13	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	27	69.3^{i}	-0.8	93^{i}	12	......	......	33^{i}	5.02	-0.10	......	0	8	16^{i}	2^{i}	4^{i}	......	J. W. Swisher
Parsons No. 2	Tucker	......	1	......	......	......	......	......	......	......	4.89	-0.23	2.00	0	8	14^{f}	7^{f}	4^{f}	......	Robert T. Deem
Philippi	Barbour	1,550	30	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Prof Elwyn F. Chase
Pickens^{b}	Randolph	2,697	24	66.2	-2.4	88	13†	36	5	41	7.55	+1.18	1.51	0	10	22	2	5	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	4	......	......	......	......	......	......	......	5.47	......	2.00	0	11	21	7	3	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	40	......	......	......	......	......	......	......	4.31	-0.71	1.14	0	8	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	18	......	......	......	......	......	......	......	6.01	+1.90	1.65	0	10	......	......	......	sw.	Wm. Hughes
Smithfield	Wetzel	850	21	76.3	+4.3	99	1†	46	8	44	4.20	-1.19	1.71	0	7	21	9	1	......	Everett V. Price
Terra Alta	Preston	2,559	26	66.6	-2.5	86	1†	38	5	36	4.27	-1.29	1.46	0	13	8	12	11	nw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	4	73.2	......	94	13	42	5†	44	5.72	......	1.50	0	9	21	8	2	w.	J. C. Campbell
Wellsburg	Brooke	668	26	72.0	+0.2	95	1†	42	5	39	4.24	-0.07	2.01	0	8	18	10	3	w.	George P. Pfister
West Milford	Harrison	979	2	......	......	......	......	......	......	......	7.09	......	3.00	0	9	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	32	73.2	-1.1	92	1†	45	5	35	8.55	+3.58	2.00	0	8	2	28	1	......	Weston State Hospital
Wheeling	Ohio	645	40	73.0	-1.9	98	12†	44	5	40	3.57	-0.93	1.30	0	8	14	10	7	sw.	Miss M. B. Forsyth
Woodlands	Marshall	......	......	......	......	......	......	......	......	......	6.69	......	1.75	0	10	17	9	5	sw.	R. W. Rist
Averages and	extremes	......	......	72.2	-0.5	99	1†	36	5	48	5.46	+0.46	3.50	0	10	14	11	6	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	......	......	......	......	......	......	......	......	4.31	......	1.28	0	14	19	8	4	w.	H. S. Sutton
Bancroft	Putnam	574	23	72.5	+0.4	95	1†	49	5	41	4.84	+0.80	1.42	0	10	26	0	5	ne.	R. E. Dent
Bluefield^{f}	Mercer	2,558	32	72.1	+0.6	89	1†	48	5	39	5.93	+1.46	1.69	0	10	16	9	0	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	12	......	......	......	......	......	......	......	1.80	-3.25	1.00	0	2	18	0	13	s.	Miss Katie Jarvis
Charleston	Kanawha	600	24	75.0	+1.8	96	16	50	4†	38	5.73	+1.51	1.12	0	12	23	0	8	......	R. O. Fields
Dam 6 G. K.	Kanawha	598	......	......	......	......	......	......	......	......	5.25	......	1.24	0	12	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	11	......	......	......	......	......	......	......	5.24	+0.89	1.36	0	11	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	11	......	......	......	......	......	......	......	5.04	+1.25	1.67	0	11	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	11	......	......	......	......	......	......	......	4.80	......	1.80	0	12	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	11	73.7^{d}	......	91^{d}	2†	50^{c}	5	34^{g}	4.71	+0.43	1.46	0	13	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	30	76.6^{d}	+2.5	96^{d}	13	51	5	35^{c}	3.95	0	1.00	0	10	12	7	12	......	Mrs J. R. Baber
Huntington	Cabell	538	31	74.8	-1.6	93	1	52	5	28	3.21	-1.00	0.80	0	10	15	6	10	w.	L. H. Hutchinson
Kanawha Falls	Fayette	618	8	......	......	......	......	......	......	......	5.58	......	1.22	0	12	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	11	......	......	......	......	......	......	......	8.31	+3.59	2.00	0	15	......	......	......	......	Cabin Creek Con. Coal Co
Kermit	Mingo	579	1	......	......	......	......	......	......	......	3.79	......	1.35	0	8	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	27	69.4	-1.6	88	1	45	5	31	3.75	-0.33	0.67	0	12	18	8	5	nw.	Geo. T. Argabrite
Logan	Logan	700	24	......	......	......	......	......	......	......	3.28	-2.62	1.00	0	9	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	28	65.9	-2.7	86	1	38	5	40	4.56	-0.77	1.08	0	14	2	26	3	sw.	S. L. Brown
Organ Cave	Greenbrier	......	1	......	......	......	......	......	......	......	5.85	......	1.65	0	10	17	7	7	w.	J. J. Hedrick
Point Pleasant	Mason	595	34	75.5	-0.9	100	1†	41	5	40	6.42	+2.41	1.96	0	10	15	1	15	w.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	12	72.4	......	96	1†	45	5	42	6.89	......	2.10	0	12	14^{a}	0^{a}	16^{a}	se.	Lockmaster
Robertsburg	Putnam	570	27	73.3	-2.1	96	12	45	5	40	4.45	+0.71	1.30	0	12	21	0	10	......	M. Frazier
Ryan	Roane	700	24	70.0	-3.3	95	1	43	3	35	7.41	+2.85	1.99	0	14	12	9	10	......	Wm. E. Ryan
Sharples	Logan	......	7	......	......	......	......	......	......	......	5.79	......	1.63	0	9	......	......	......	......	R. W. Howard
Sissonville	Kanawha	625	......	......	......	......	......	......	......	......	4.30	......	1.10	0	5	......	......	......	......	J. N. Johnson
Spencer	Roane	789	23	71.8^{a}	-1.8	93^{a}	1	43	5	36^{a}	4.41	+0.12	1.02	0	11	9	19	3	......	A. M. McKown
Summersville	Nicholas	1,894	3	70.5^{f}	......	92^{f}	16	42^{e}	5	36^{f}	6.07	......	1.08	0	11	10^{e}	5^{e}	11^{e}	......	J. O. McMillion
Sutton	Braxton	850	21	72.4	-3.9	95	13†	47	5	36	12.40	+7.23	4.30	0	13	18	0	13	......	C. B. Eakle
Union^{c}	Monroe	2,250	23	72.6	+1.6	93	1	47	5	37	3.80	-0.82	1.24	0	9	14	8	4	......	W. M. H. Young
Wayne	Wayne	598	......	......	......	......	......	......	......	......	3.98	......	0.93	0	10	......	......	......	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	17	73.4^{a}	+2.5	97	12	44	4	43^{a}	3.44	-1.61	0.92	0	14	21	9	1	......	H. E. Green
Williamson	Mingo	673	27	78.8	+3.3	97	13	55	5	34	2.71	-1.55	0.68	0	9	25	0	6	sw.	A. J. Maynard
Averages and	extremes	......	......	73.0	-0.3	100	1†	38	6	43	5.06	+0.54	4.30	0	11	17	6	8	w.	
State averages and	extremes	......	......	72.3	-0.5	100	1†	36	5	48	5.09	+0.42	4.30	0	10	15	9	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for July, 1927

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖‖	Potomac		.34						1.23	T.		.31				.53	T.	.11					.42	1.11	.04						.69	1.09	5.90
Brandywine	do		.25					.20	.05		.65					1.20	.35				T.	1.00	.45	.20			.30				.95	.10	5.70
Burlington	do																		.30	T.										.30	1.10		+++
Harpers Ferry ‖‖	do			.08	.12			.01			.50	.08					.11		.36	.50				.55								1.10	3.41
Inwood	do										.66						.43			.26				.70								.91	2.96
Martinsburg‖‖	do							.05	.05		.25	.15					.16							.58				.32				.60	2.16
Moorefield	do		.04					.38				.31			.08	.55						.04	.65	.03						.02	.22	.60	2.92
Piedmont	do			.40				.16							.03								.92	.65								.35	2.51
Romney ‖‖	do							.60							.20	.40						.22	1.00									1.01	3.43
Stony River Dam	do		.15		.07			.73	.65				.49						.05			.02	.52	.90	.02						.36	.60	4.56
Upper Tract	do		.20				T.			.10	T.	T.	T.		T.	.80						.25	.10							.10	.10	T.	1.65
Wardensville‖‖	do	T.						T.	.05		.55		.04			.65	.07					.50	.04	.50							.21	.76	3.37
Northern Division																																	
Aberdeen	Monongahela			T.				.96							.05	.20		.11	.01				.86	1.39						.54	.26	1.23	5.61
Alma (near)	Ohio	.03						.09							.52	.93	.01	.29	.01				.91	.22						1.00	.30	.60	4.91
Bens Run	do							.57							.11	.68	.04						1.78	.38						.78	.47	1.00	5.81
Benson	Monongahela		.02					.17	.17						.03	.74	.31	.65					1.14	1.70						.31	.88	.80	6.92
Brownsville	do																					1.01							.40	.95	.35	1.04	+++
Bruceton Mills	do			T.			T.	.51		T.	T.		.03		T.	.12		.34				.30	.61	.85				T.		.08	.15	.45	3.47
Buckhannon	do			T.				1.95							T.	.30		.10					.85	.46						.58	.62	1.06	5.92
Cairo	Little Kanawha																																
Clarksburg ‖‖	Monongahela								.15							.36	.06	.40					.02	1.55	.05					.67	.71	.62	4.59
Cortland ‖‖	do	1.40					1.42			.50															1.40				.35	.52	.48	.98	7.05
Crawford	Little Kanawha		.26					1.41	.22						1.00	.07		.25	.60				1.99	.13						.45	.43	.96	7.77
Creston ‖‖	Monongahela			2.61					1.25		.16	.61				.34	.07		.74					1.51						.45	.22	1.44	9.40
Dam 10, Mon. R.‖‖	Ohio								.18							.32	.01	.46	.09			.46		1.25	.16						.10	.50	3.53
Dam 12, O. R ‖‖	do			.05												.67	.12	.01	.05			.14	1.10	.36								.63	3.13
Dam 13, O. R ‖‖	Monongahela			.03					.01							.45	2.00	.03					.80							.02	.02	.70	4.06
Dam 15, Mon. R.‖‖	do								.16							.42	.08	.50	.07					1.33						.07	.06	.50	3.19
Davis ‖‖	do		.63					.25	.79							.30		T.	.11			.24		.95	.10						.36	1.02	4.78
Elizabeth (D'm 3 L K)	Little Kanawha			1.40					.92		.04	.09				.08	.18	.07	1.40				.40	2.05						.26	.67	1.15	8.71
Elkins***	Monongahela			.04			T.	3.50		.01					.25	.01		.34				.96	.85	.14						.42	.40	.43	7.35
Evenwood	do	T.		.20				2.09		1.27	T.					.56						.36	.93	.32						.56	.48	.32	7.09
Fairmont‖‖	do							T.	.10		T.					.75	.04	.30	.02					1.36	T.				.03	.10	.05	.80	3.55
Glenville ‖‖	Little Kanawha		.20	.06				.10	1.37			.05				1.10	.20	.36	.24				.17	1.91						.40	.45	.96	7.57
Grafton‖‖	Monongahela																																
Horner	do							2.25	.12							.35		.13					.22		.98	.46				.65	.50	1.50	7.16
Horton	do	.28	.16					1.21			.46	.48		T.	.26	.18		.51				.04	.61	.28						.28	.12	.47	5.34
Janelew (near)	do							1.15										.50					.80	1.00						.50		1.29	5.24
Lost Creek	do	.04		T.				.40		T.						.59		.56					1.08	1.10						1.03	.57	.85	6.22
Mannington	do			T.				.02	.23						.33	.20		.10	T.				.68	.36				.10		.11	.36	.66	3.15
Morgantown	do							T.							.27	.10		.35			.15		.52					T.			.12	.46	1.97
New Cumberland‖‖	Ohio			.06			.02	.03	.21							.25	.70	.04	.03			T.	2.40	.80	.02				.05		.01	.60	5.22
New Martinsville	do							.40								.40					.05		.70	.45				.10		.45	.45	.85	3.85
Parkersburg ***	do	.01	.38				T.	.44			.31				.36	.09	.14	.10			.02		.77							.71	.45	.67	4.45
Parsons	Monongahela			T.					*	2.00								.22					.30	.95						.53	.45	.57	5.02
Parsons No. 2	do			T.					.96		.14	.06									.13	1.00		.60							1.00	1.00	4.89
Philippi	do																																
Pickens	do			.05				.73							1.45	.12		.30					1.50	.52						.64	1.51	.73	7.55
Roanoke	do							.65	.14			.06			.19	.14		.22					.95	.28						.77	.07	2.00	5.47
Rowlesburg ‖‖	do								.52							.62	.05		.08					1.14					.11		.94	.85	4.31
Saint Marys ‖‖	Ohio		T.	.10					.31			T.				.40	.12	.13					.25	1.65	T.					.55	1.20	1.30	6.01
Smithfield‖‖	Fishing Creek			.02												.54	1.71								.59				.04		.34	.96	4.20
Terra Alta	Monongahela		.06	.03				.24	T.	.03		T.			.34	.13		.08				.20	.74	.80						.06	.10	1.46	4.27
Valley Chapel	do		.02					.30	.19							.53							1.20	1.45						.50	.03	1.50	5.72
Vandalia	do																																
Wellsburg	Ohio			.19			T	.21				T.			.05	.46		.09					2.01	.68							T.	.55	4.24
West Milford	Monongahela		.30					.15	.29						.62	.22		.41						3.00						1.20		.90	7.09
Weston	do							2.00	.15									1.00						1.10	1.00					.30	1.00	2.00	8.55
Wheeling‖‖	Ohio			.03			T.		T.							.51	.27		T.			.30	1.30	.28	T.						.28	.60	3.57
Woodlands ‖‖	do								.14			.01					.15					1.65	.65	1.68					.32	.12	.22	1.75	6.69
Southern Division																																	
Arbovale	Great Kanawha	.03						1.28		.11	.23	.47		.25	.18	.37	.05						.45	.31						.18	.23	.17	4.31
Bancroft ‖‖	do			.44					.50							.22	.03	.24	.07					1.00						.85	.07	1.42	4.84
Beckley	do																																
Bluefield	do					.20		.16				.63			.09	.30	.08		1.20											1.27	.31	1.69	5.93
amden-on-Gauley ‖‖	do																						1.00								.80		1.80
harleston ‖‖	do			1.06					.20			.08				.04	.12	.75	1.12				.06	.40						.60	.20	1.10	5.73
lay ‖‖	do																																
am 6 G. K. ‖‖	do		.28	.62	.62				.12			.06					.07	.39	1.24					.52						.60	.02	.71	5.25
am 19 O. R. ‖‖	Ohio			.17					.77				T.			.38	.14	.12	.40				.52	.30						.58	.30	1.36	5.24
am 20 O. R. ‖‖	do			.44					.25			.12				.35	.15	.16					.17	.60						.25	.88	1.67	5.04
am 26 O. R. ‖‖	do			.25					.15							.15	.15	1.10	.25			.15	.10	.15						.25	.30	1.80	4.80
ary‖‖	Big Sandy			.21					.17	.03		.02	.10			.61	1.46	.42	.28				.34	.04							.28	.75	4.71
inton ‖‖	do		.18	.36					.18	.04		.02				.14			.86					.41							.76	1.00	3.95
untington ‖‖	Ohio			.80					.14							.48	.18	.40	.28			T.	.18	.13							.04	.58	3.21
anawha Falls‖‖	Great Kanawha		.45	.55				.10	.30			.28				.39	.07	.24	.73											.50	.75	1.22	5.58
ayford‖‖	do		.20	.85	T.			.77	.97			.03	.06			.40	1.10	.42	2.00				.14	.15						.05	.68	.49	8.31
ermit ‖‖	Big Sandy			.25												.20	.12	.40	1.35					.20							.35	.92	3.79
wisburg	Great Kanawha		.64	.12				.14	.43		.04				T.	.09	T.		.67			.07	.60	.22			T.			T.	.36	.37	3.75
gan ‖‖	Guyandotte			*				.24	.17			.42				.15		.25	1.00												.55	.50	3.28
rlinton	Great Kanawha		.22	T.				.62		.14	.16	1.08		.40	.16	.24	.11		.15				.32				T.			.14	.56	.26	4.56
gan Cave	do		1.65	.40				.20	.25									.30	.35				1.65	.45							.25	.35	5.85
int Pleasant ‖‖	Ohio			.42					.16							.42	.60					.21	.19	.88						1.96	.28	1.30	6.42
venswood (Dam 22	do								1.70		.06	.06				.10	.05	.43	.24				.18	2.10						.02	.23	1.72	6.89
bertsburg ‖‖	Great Kanawha			.24					.43							.10	.10	.13	.25			.02	.16	1.30						.26	.20	1.26	4.45
an	do		1.00					.80	.48		.19				.26	.02	.01	.12	.03				1.99	.21						.65	1.10	.55	7.41
arples‖‖	Coal River			.30				.15	T.			.80				.35	.17	.60	1.10											T.	1.63	.69	5.79
sonville ‖‖	Great Kanawha								1.10										.57					.98	.62							1.03	4.30
ncer ‖‖	do			.15					.52			.05				.09	.07	.72	.22					1.02						.41	.60	.56	4.41
mmersville	Gauley		.05					.93				.17			.32			.52	1.08				.63	.50						1.00	.65	.22	6.07
ton	do			.36				.30	1.75	.10					.40	.42		.72	.70				4.30	.85						.90	.70	.90	12.40
on	do		.25					T.	.14	T.		.45					.45		.44	T.			1.24	.32						.11	T.	.40	3.80
yne‖‖	Big Sandy		.04	.89												.50	.47	.42	.22				.28	.17							.17	.82	3.98
ite Sulpr. Spgs ‖‖	Great Kanawha	.10	.25					.05	.13	.04	.11	.90			.10	.35	.03	.13					.92								.25	.08	3.44
liamson ‖‖	Big Sandy				.38			.06	T.				.12			.42	.22	.24	.68					.11								.48	2.71

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete.

Daily Temperatures for July, 1927

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	87	84	80	74	74	79	77	76	75	80	82	87	90	90	86	88	89	86	83	82	81	77	77	76	81	84	84	90	84	81	74	81.9
	Minimum	56	60	57	44	36	38	58	49	41	57	48	49	50	56	57	61	61	61	50	41	48	46	57	54	48	46	47	51	58	57	59	51.6
Brandywine	Maximum	90	89	80	78	76	80	75	69	66	66	67	87	88	91	90	89	90	91	89	85	78	75	76	78	77	80	90	91	87	88	75	81.6
	Minimum	61	60	58	42	40	49	60	52	50	52	45	56	57	56	60	59	60	60	61	52	55	60	59	55	54	50	60	61	60	62	64	56.1
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Inwood	Maximum	85	88	85	76	75	80	86	81	82	80	89	93	97	97	96	91	89	89	85	86	85	75	81	83	86	89	90	96	86	86	....	86.2
	Minimum	59	60	64	51	53	50	62	56	56	64	66	60	65	69	65	66	68	71	65	60	58	64	64	60	61	60	60	63	66	68	67	62.0
Martinsburg§	Maximum	82	85	85	78	78	80	87	84	85	82	87	91	98	98	96	91	90	90	87	87	87	73	83	85	89	91	90	96	86	85	....	86.9
	Minimum	60	58	63	55	51	48	62	56	52	63	63	60	63	68	65	65	68	71	67	59	57	65	65	62	57	59	59	62	69	68	67	61.5
Moorfield	Maximum	94	88	88	85	80	85	87	83	83	85	90	96	99	97	99	97	94	93	90	90	91	83	86	85	91	93	95	100	95	89	88	90.3
	Minimum	68	64	65	48	46	47	63	60	52	63	60	59	61	65	65	67	71	71	60	55	56	59	66	56	54	58	58	65	65	67	66	60.6
Piedmont	Maximum	85	84	80	74	76	84	81	79	70	82	86	91	95	92	92	92	91	88	85	86	84	74	76	80	84	87	84	91	84	77	79	83.6
	Minimum	66	64	65	53	46	49	62	53	56	63	63	58	61	64	65	67	68	69	67	54	56	61	64	55	54	57	56	61	64	64	65	60.3
Romney	Maximum	85	85	....	82	78	82	75	82	79	84	90	92	97	96	94	94	92	92	88	89	89	77	81	83	88	92	91	96	83	82	....	86.8
	Minimum	....	62	66	....	46	46	60	55	55	63	59	58	61	67	65	67	68	74	60	59	57	61	65	58	55	57	57	61	65	65	65	60.4
Upper Tract	Maximum	89	88	82	80	75	78	82	83	81	80	82	....	90	89	90	....	88	....	87	84	82	79	78	79	....	84	85	90	88	84	80	83.6
	Minimum	63	63	61	61	45	40	48	46	50	51	52	....	56	62	64	....	63	....	58	51	56	58	51	57	....	51	52	57	57	64	64	55.6
Northern Division																																	
Bens Run	Maximum	95	92	81	75	79	85	84	80	85	90	90	94	95	91	87	87	87	85	81	87	93	85	70	82	86	88	89	92	88	76	83	85.9
	Minimum	65	67	67	49	49	54	67	54	56	58	61	64	66	70	65	70	69	59	64	62	62	67	64	50	60	62	62	66	65	67	62	62.4
Buckhannon	Maximum	87	85	78	68	72	79	79	73	65	82	82	84	86	85	85	85	87	80	80	81	85	79	76	76	79	87	82	85	82	85	75	80.2
	Minimum	65	65	67	49	44	54	62	58	55	54	60	60	62	66	62	67	64	68	59	55	54	67	64	56	54	58	58	64	67	66	66	60.3
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clarksburg §	Maximum	92	90	81	73	77	85	83	78	80	91	92	93	95	92	90	91	89	85	83	90	93	85	70	80	88	86	88	91	87	80	80	85.7
	Minimum	66	64	66	44	43	48	57	53	53	54	58	59	60	67	61	65	68	66	57	56	57	67	65	56	54	58	57	61	68	65	66	59.3
Creston	Maximum	97	92	81	75	83	86	83	84	79	88	89	94	95	90	91	90	88	87	88	90	93	85	76	84	87	89	90	95	90	82	79	87.1
	Minimum	66	56	66	48	47	50	61	56	54	56	66	56	66	67	67	65	66	64	55	62	60	67	64	66	55	67	60	62	68	60	66	60.9
Elkins	Maximum	86	84	75	66	72	81	79	75	68	81	84	85	87	84	86	85	84	79	77	82	83	78	68	74	79	80	82	85	83	81	73	79.5
	Minimum	65	64	57	46	41	46	58	56	51	53	54	56	59	64	60	65	67	62	56	51	55	62	60	54	52	56	55	60	64	64	64	57.3
Fairmont§	Maximum	95	93	84	77	81	87	83	81	81	92	94	96	99	91	93	95	90	90	86	92	94	85	72	84	88	89	91	95	88	72	84	87.8
	Minimum	68	67	68	46	45	50	60	54	56	56	61	62	63	69	63	67	69	66	58	58	59	67	64	56	58	59	60	63	68	65	66	61.0
Glenville	Maximum	96	95	93	84	83	85	86	82	82	89	92	94	95	94	91	92	92	90	87	91	95	93	86	82	89	89	91	94	93	90	85	89.7
	Minimum	68	65	67	46	46	50	60	58	55	56	59	60	62	65	62	65	67	67	59	60	62	65	64	55	57	60	60	63	68	62	60	60.4
Lost Creek	Maximum	92	92	82	77	79	83	80	78	78	89	90	92	94	90	86	90	85	86	84	85	92	80	72	79	85	85	87	90	84	80	79	84.7
	Minimum	64	62	64	41	39	44	60	54	49	52	55	56	58	59	59	64	65	65	62	55	52	65	61	60	52	55	55	60	65	64	65	57.5
Mannington	Maximum	90	87	81	75	74	81	80	76	79	84	86	88	91	88	87	86	85	82	81	85	87	83	75	78	82	83	84	87	85	76	79	82.7
	Minimum	64	63	66	43	42	47	63	50	49	54	59	59	60	64	61	66	67	63	55	53	56	65	64	53	53	55	56	59	67	63	66	58.2
Morgantown	Maximum	91	92	82	78	77	85	84	80	78	90	92	94	98	94	92	92	90	85	83	87	92	81	79	81	85	86	88	91	88	83	80	86.4
	Minimum	65	67	66	46	44	54	69	54	54	62	61	64	62	70	63	67	68	64	56	55	57	66	62	57	58	59	60	65	68	64	65	61.0
New Cumberland§	Maximum	93	92	78	72	78	85	83	80	83	87	90	94	95	90	87	87	84	84	82	86	92	80	70	80	84	86	88	92	82	74	....	84.6
	Minimum	67	66	57	48	44	51	58	52	50	50	59	61	64	72	65	69	62	58	56	59	58	65	64	49	54	57	60	64	71	64	56	59.0
New Martinsville	Maximum	95	93	82	75	80	85	83	82	85	91	94	95	96	91	89	92	90	86	86	90	94	95	82	82	86	88	89	92	89	75	84	87.6
	Minimum	67	74	64	44	43	48	63	51	52	54	55	58	60	65	60	66	66	60	55	58	58	64	61	53	55	57	57	62	65	62	63	58.7
Parkersburg	Maximum	91	92	79	71	79	86	83	78	78	86	89	93	94	89	89	88	87	83	84	87	92	85	74	81	85	87	89	92	89	78	83	85.3
	Minimum	70	68	60	52	51	56	64	57	59	62	61	66	67	68	67	70	70	64	58	64	64	67	64	61	59	60	64	67	70	68	68	63.4
Parsons	Maximum	....	....	....	....	....	....	....	....	....	....	....	93	....	90	84	76	90	80	83	76	78	72	63	63	70	73	75	73	78	71	70	76.7
	Minimum	....	....	....	....	....	....	....	....	....	54	56	60	60	73	70	60	64	63	64	63	64	60	58	53	58	60	62	68	68	63	60	61.9
Philippi	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Pickens	Maximum	87	84	75	69	72	79	82	....	69	84	86	87	88	83	85	88	83	80	88	82	....	83	68	73	78	81	85	87	79	83	70	80.6
	Minimum	60	58	58	43	36	43	54	....	50	43	51	53	60	59	53	58	60	49	47	49	....	55	53	49	42	43	46	54	58	58	57	51.7
Terra Alta	Maximum	86	82	75	70	70	77	72	74	70	78	81	83	86	83	83	83	81	79	76	80	81	75	72	73	77	78	79	83	79	74	70	77.7
	Minimum	60	60	60	46	38	41	60	47	48	69	51	55	54	63	61	64	64	61	61	46	49	58	51	53	52	50	50	60	46	59	61	55.4
Wellsburg	Maximum	95	91	89	76	77	84	84	80	84	92	86	95	95	90	88	85	86	84	83	86	93	84	75	82	84	85	88	91	85	76	85	85.7
	Minimum	65	62	64	44	42	50	62	50	45	55	57	57	62	65	62	68	70	58	53	54	58	65	61	51	52	55	58	63	68	65	66	58.3
Weston	Maximum	92	90	90	80	80	85	80	80	80	85	80	90	92	90	92	92	90	90	88	88	88	88	80	80	82	86	89	90	90	86	86	86.4
	Minimum	69	68	60	50	45	60	60	49	50	60	55	62	63	62	69	68	60	64	62	64	62	60	58	54	59	58	62	59	60	64	68	60.1
Wheeling§	Maximum	97	95	87	78	82	84	89	83	88	92	92	98	98	92	89	88	89	87	86	88	95	81	75	86	89	91	92	94	83	76	85	88.0
	Minimum	62	63	64	45	44	52	55	48	48	54	57	60	62	56	63	67	68	59	54	56	59	65	50	51	54	59	60	65	68	67	64	58.0
Southern Division																																	
Bluefield	Maximum	89	85	....	....	87	80	83	78	71	....	82	89	87	86	87	84	....	88	85	82	84	84	83	....	78	83	85	87	87	84	....	83.9
	Minimum	61	54	....	....	48	59	63	62	59	....	57	58	64	66	63	62	....	62	61	55	64	66	64	....	52	62	57	59	62	64	....	60.3
Charleston	Maximum	95	90	80	70	88	85	86	86	85	90	90	93	90	95	92	96	90	84	86	90	92	86	76	83	88	90	90	93	90	88	80	87.6
	Minimum	67	69	67	50	50	51	66	67	58	62	62	62	65	68	68	66	67	65	60	60	61	64	66	56	57	57	61	62	65	68	67	62.4
Gary §	Maximum	90	91	....	81	81	86	87	81	80	86	85	89	91	87	88	....	89	89	82	86	88	83	....	79	83	85	86	89	89	88	....	85.9
	Minimum	66	68	66	....	50	52	61	64	60	59	62	60	64	64	64	64	....	63	62	57	59	66	67	....	52	59	58	60	60	67	67	61.5
Huntington §	Maximum	93	89	80	71	78	85	85	79	82	85	85	89	91	88	88	87	87	85	83	85	85	86	75	80	82	85	86	89	87	83	83	84.4
	Minimum	73	75	69	57	52	57	61	60	60	61	67	67	68	74	69	68	68	67	60	64	64	65	66	61	60	62	64	67	72	71	70	65.1
Lewisburg	Maximum	88	84	80	76	76	80	83	75	68	81	83	85	87	84	85	86	85	82	78	83	81	79	73	74	81	81	83	85	85	85	76	81.0
	Minimum	63	62	64	52	45	49	63	61	60	58	55	56	59	61	60	63	63	61	58	52	57	62	61	50	50	57	53	54	57	63	63	57.8
Marlinton	Maximum	86	82	76	80	74	78	76	74	66	78	80	82	82	78	82	80	80	82	76	78	76	72	76	72	76	78	78	84	80	78	72	77.8
	Minimum	60	64	60	48	40	38	54	56	52	54	52	58	54	56	58	56	60	58	54	48	52	58	58	54	46	52	50	52	56	56	60	54.0
Point Pleasant	Maximum	100	100	97	80	81	88	85	82	90	99	90	96	91	94	90	90	89	89	90	95	95	90	90	84	85	89	90	98	98	98	82	90.8
	Minimum	69	70	65	50	41	50	65	49	54	60	60	61	61	69	65	65	65	60	55	60	60	55	64	59	55	59	60	61	65	69	64	60.2
Ravenswood	Maximum	96	96	93	81	78	86	84	79	78	87	89	93	94	92	85	92	91	88	86	87	93	90	86	82	86	90	90	94	93	82	80	87.8
	Minimum	67	66	66	49	45	52	62	56	55	52	50	55	54	61	57	57	59	51	46	51	51	58	55	55	56	57	60	61	69	67	66	57.1
Robertsburg§	Maximum	94	92	80	78	85	86	85	84	86	89	92	96	95	89	89	93	88	85	88	89	94	87	76	82	88	86	89	93	88	84	80	87.4
	Minimum	67	75	64	48	45	50	60	56	54	59	60	61	62	68	63	63	66	61	55	58	58	61	63	55	55	55	56	58	60	60	60	59.2
Ryan	Maximum	95	90	70	75	78	82	76	76	75	86	87	85	94	90	86	90	75	80	80	84	85	82	67	75	80	80	82	94	80	82	74	81.8
	Minimum	64	63	43	52	53	49	61	56	53	57	58	59	60	64	67	62	61	63	50	58	59	65	62	53	53	53	54	59	65	65	64	58.2
Spencer §	Maximum	93	91	80	69	77	84	81	78	86	86	87	90	92	89	90	90	86	83	83	86	90	71	72	81	85	85	87	91	88	81	....	84.7
	Minimum	64	64	64	46	43	48	58	56	53	57	60	60	60	72	63	64	65	61	52	56	59	62	62	54	53	58	57	60	63	64	64	58.
Sutton	Maximum	94	91	90	86	82	83	83	80	80	90	90	91	95	95	84	93	93	89	85	87	87	85	75	82	85	85	88	92	92	80	76	86.7
	Minimum	59	64	59	52	47	50	60	61	55	57	60	59	60	59	62	64	60	62	60	59	60	54	59	53	55	57	58	61	60	55	60	58.1
Union	Maximum	93	91	....	91	82	85	87	77	75	....	85	90	90	86	90	90	....	88	85	85	86	83	78	....	84	87	87	90	91	87	....	86.
	Minimum	61	65	....	56	47	52	65	62	59	....	56	56	61	64	59	62	....	61	64	53	57	62	64	....	51	61	55	56	58	64	....	58.
White Sulphur Spgs§	Maximum	94	85	87	87	90	79	91	72	86	91	93	97	92	95	94	93	90	88	90	85	82	80	83	87	90	90	93	91	90	81	....	88.
	Minimum	65	68	53	44	48	61	59	60	59	57	53	60	64	62	65	64	61	63	54	55	62	62	50	51	56	54	55	58	63	64	64	58.
Williamson §	Maximum	95	94	88	79	82	90	89	90	90	90	92	96	97	90	92	93	95	90	88	91	92	92	90	86	85	92	93	93	95	94	90	90.
	Minimum	73	72	70	63	55	56	61	65	62	63	66	68	70	73	70	70	70	71	66	66	67	69	70	69	62	63	65	66	69	72	71	66.

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 8-26-27—840)

VWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXV Parkersburg, W. Va., August, 1927 No. 8

GENERAL SUMMARY

The past month, with an average temperature of 67.1°, was not only the coolest August of State record, but had an average 1.8° below the exceptionally cool August in 1922. The month was characterized by nearly continuously cool weather. The nights were especially cool, and the highest temperature recorded at any station, 94°, was exceeded in every other August of State record, except in 1907. Light frosts were noted in sections of the northern mountain counties on the 10th, 16th, 20th, 25th, and 26th; but no damage resulted. The rainfall was somewhat above the August average and was unevenly distributed over the State. While there were several heavy showers, there was practically no damage from severe storms. No hail storms were noted. The month was exceptionally unfavorable for growth and farm work. Corn made but little progress and was generally in poor to fair condition at the close of the month. A large yield of potatoes was secured.

TEMPERATURE

The monthly mean for the State, determined from 48 stations, was 67.1°. The departure from the normal for 39 stations having ten or more years of record was —4.9°. The month opened with the temperature practically normal, and the averages for the 7-8th, 13th, and 23d were slightly above the normal. The other portions of the month were cool, with the lowest readings generally on the 25-26th. Low temperatures also prevailed on the 16th, 17th, 28th, and 29th.

PRECIPITATION

The average precipitation for the State, determined from 82 stations, was 4.33 inches. The departure from the normal for 55 stations having ten or more years of record was +0.22 inch. The rainfall was heaviest over the central and northern mountain counties and generally lightest over the extreme eastern and northwestern counties. The greater part of the rainfall was received from the 1st to the 3d, and on the 8-9th, 14-15th, 18-20th, and the 29th, the greatest amounts being measured on the 1st, 8th, and 14th.

MISCELLANEOUS PHENOMENA

Aurora: Elkins 6th.

Fogs, dense: Arbovale, 19th, 24th, and 30th; Bancroft, 5th, 10th, 12th, 16th, 22d, 23d, 25th, 28th 29th, and 31st; Bayard, 2d, 3d, 10th, 25th, and 26th; Elkins, 10th, 12th, 16th, 21st, 22d, 23d, 25th, 28th, and 31st; Fairmont, 12th, 13th, 16th, 22d, and 31st; Glenville, 9th; Marlinton, 5th, 10th, 12th, 13th, 16th, 23d, 24th, 30th, and 31st; New Cumberland, 10th, 16th, 17th, 24th, and 31st; Parkersburg, 12th, 21st, 23d, 29th, and 31st; Piedmont 18th; Terra Alta, 3d, 6th, 9th, 12th, 13th, 18th, 19th, 22d, 24th, and 28th; Wellsburg, 12th.

Frost, light: Bayard, 10th, 16th, 20th, and 26th; Davis, 25th; Terra Alta, 25th.

Halo, solar: Bayard, 28th.

Thunderstorms (dates and number of stations reporting): 1st, 10; 2d, 4; 6th, 1; 7th, 1; 8th, 5; 9th, 1; 14th, 2; 15th, 1; 19th, 2; 20th, 4; 21st, 1; 28th, 2; 29th, 2; 30th, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a.m.	local noon	8 p.m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity Miles per hour	Max. velocity Direction	Max. velocity Date
Cincinnati, Ohio...	30.03	82	58	66	301.3	71	3,617	4.9	19	ne.	23
Columbus, Ohio...	30.04	78	61	69	260.1	61	5,183	7.0	30	n.	23
Elkins........	30.04	95	64	83	181.6	43	2,462	3.3	17	nw.	15
Lexington, Ky.....	30.02	82	70	....	241.6	57	7,047	9.5	30	w.	8
Parkersburg.......	30.04	82	54	70	240.7	57	2,995	4.0	18	ne.	20
Pittsburgh, Pa.....	30.03	82	57	62	238.6	56	5,431	7.3	32	nw.	19
Wytheville, Va....	30.00	90	60	78	226.0	54	2,848	3.8	19	sw.	8

COMPARATIVE DATA FOR AUGUST

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Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 01 inch or more	Clear	Partly Cloudy	Cloudy
1891	69.8	.....	.....	5.48	.....	.....	.....	.....	.....	.....	.....
1892	72.1	96	41	2.55	.....	.....	.....	7	.....	.....	.....
1893	70.8	98	41	3.38	.....	.....	.....	.....		.....	.....
1894	71.5	103	38	2.07	5.15	0.27	.....	6	14	12	5
1895	73.3	104	40	3.01	7.69	1.15	.....	8	15	11	5
1896	72.6	97	40	2.82	5.69	0.88	.....	7	15	12	4
1897	70.9	100	42	2.91	5.93	0.77	.....	9	13	14	4
1898	73.7	96	44	7.51	11.57	4.40	.....	12	12	12	7
1899	73.5	100	34	2.64	6.37	0.34	.....	6	15	11	5
1900	76.0	100	45	3.15	7.20	1.03	.....	8	17	19	4
1901	73.6	98	43	5.14	13.70	1.64	.....	12	10	13	8
1902	70.4	98	35	2.40	6.05	0.97	.....	7	15	13	3
1903	71.4	105	38	2.64	5.85	0.99	.....	8	12	13	6
1904	70.7	95	32	2.88	6.71	0.67	.....	9	15	10	6
1905	71.3	96	40	4.25	8.32	1.32	.....	9	14	11	6
1906	75.4	98	47	5.15	10.72	2.18	.....	13	10	13	8
1907	69.4	93	41	4.64	10.12	1.55	.....	11	13	10	8
1908	70.9	101	37	2.82	5.63	0.84	.....	7	15	10	6
1909	70.8	99	37	3.03	5.79	0.81	.....	6	16	10	5
1910	70.8	98	39	2.03	5.58	0.70	.....	5	17	10	4
1911	73.5	105	40	6.71	12.14	2.38	.....	12	13	10	8
1912	69.3	95	35	3.64	11.70	0.25	.....	11	10	13	8
1913	72.7	102	37	3.18	8.20	0.79	.....	6	19	7	5
1914	71.8	100	40	4.86	9.29	1.38	.....	10	15	9	7
1915	69.4	99	36	4.84	8.36	2.46	.....	14	10	11	10
1916	72.9	104	40	4.76	15.35	1.46	.....	10	14	9	8
1917	71.6	102	39	3.53	8.80	0.94	.....	8	17	8	6
1918	76.0	110	43	3.96	9.15	0.63	.....	9	17	8	6
1919	70.2	100	40	4.54	8.67	0.95	.....	11	16	9	6
1920	71.1	95	42	4.27	9.28	1.69	.....	14	9	10	12
1921	69.7	98	37	5.20	9.46	2.13	.....	9	16	8	7
1922	68.9	98	31	3.87	7.51	1.20	.....	10	14	9	8
1923	71.0	99	33	4.39	12.42	1.60	.....	10	15	8	8
1924	71.7	104	34	4.63	9.34	0.69	.....	9	18	8	5
1925	70.7	100	33	1.86	4.92	0.20	.....	7	18	8	5
1926	74.0	105	38	6.94	15.36	2.95	.....	13	13	7	11
1927	67.1	94	34	4.33	8.03	1.34	.....	11	12	9	10
1891-1927	71.6	110	31	3.95	15.36	0.20	.....	9	14	11	6

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., August, 1927

See temperature and precipitation data in Climatological Tables, Pages 30, 31, and 32

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation..............	.039	.251	.188	.001	.145	.200	.143	.155	.000	.200	.177	.167	.145	.133	.051	.222	.167	.132	.076	.044	.073	.134	.175	.136	.144	.045	.266	.045	.132	.090	.176	4.052
	Wind movement.........	27	16	39	34	40	45	23	29	42	56	31	30	18	18	26	24	12	100	19	23	22	16	14	60	38	69	50	51	25	30	39	1,066

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for August, 1927

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	26	60.9	-5.1	87	7	34	25	42	6.73	+2.12	1.44	0	15	9	10	12	w.	U. G. Clark
Brandywine††	Pendleton	1,586	11	65.4	-5.1	89	13	45	16	30	4.00	+0.92	0.90	0	10	16	1	14	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	38	.....	.....	.....	.....	.....	.....	.....	5.01	+1.24	1.46	0	12	.....	.....	.....	.....	J. C. Newcomer
Inwood	Berkeley	569	5	68.4	.....	89	20	37	25	48	3.12	.....	0.73	0	13	17	0	14	w.	L. E. Dills
Martinsburg	Berkeley	435	35	69.5^{a}	-3.5	89^{a}	23	42	25	35^{a}	2.12	-1.69	0.70	0	10	19	10	2	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	31	69.0	-4.3	92	13	40	18	40	3.13	-0.11	0.66	0	12	26	2	3	.....	M. S. Henkel
Piedmont	Mineral	1,053	14	66.2	-4.2	88	7	43	25	34	2.91	-0.68	0.60	0	12	14	6	11	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	29	68.0^{e}	-4.9	89^{c}	23	43^{e}	25	38^{i}	2.52	-1.44	0.56	0	10	5^{b}	4^{b}	20^{b}	.....	George E. Bergdoll
Stony River Dam	Grant	3,300	7	.....	.....	.....	.....	.....	.....	.....	4.15	.....	1.13	0	20	1	13	17	w.	A. C. Becker
Upper Tract	Pendleton	1,230	28	65.2^{e}	-5.8	86^{e}	7	44^{c}	17†	36^{e}	2.01	-1.74	0.60	0	8	12^{d}	0^{d}	15^{d}	w.	J. M. Mallow
Wardensville	Hardy	1,200	9	65.0^{a}	.....	85^{a}	2†	39	20†	46^{a}	1.82	.....	0.30	0	11	7^{d}	13^{d}	7^{d}	.....	Luther F. Sutton
Averages and	extremes	.....	.....	66.5	-4.6	92	13	34	25	48	3.35	-0.33	1.46	0	12	13	7	11	w.	
Northern Division																				
Aberdeen	Upshur	1,060	3	.....	.....	.....	.....	.....	.....	.....	5.58	.....	2.25	0	14	6	16	9	nw.	L. Else Bond
Alma (near)	Tyler	.....	0	.....	.....	.....	.....	.....	.....	.....	4.30	.....	2.11	0	11	11	13	7	.....	D. N. Furbee
Bens Run	Pleasants	652	25	68.6	-5.2	89	13	50	25†	35	7.03	+2.79	3.40	0	6	14^{a}	11^{a}	5^{a}	.....	J. D. Riggs
Benson	Harrison	1,080	4	67.2^{a}	.....	89^{a}	5	39^{a}	25	40^{a}	3.21	.....	0.96	0	12	8	18	5	.....	R. D Marts
Brownsville	Lewis	1,032	4	.....	.....	.....	.....	44^{j}	25†	.....	2.11	.....	0.98	0	7	14	13	4	.....	George M. Myers
Bruceton Mills	Preston	1,549	7	.....	.....	.....	.....	.....	.....	.....	7.06	+2.41	2.00	0	9	1	22	8	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	30	64.9	-5.4	81	7	45	25	26	5.18	+1.08	1.44	0	12	12	10	9	.....	H. A. Darnall
Clarksburg	Harrison	1,015	5	67.6	.....	89	13	45	25†	35	3.31	.....	0.94	0	11	10	11	10	nw.	Clarksburg Water Board
Cortland	Tucker	3,300	16	.....	.....	.....	.....	.....	.....	.....	4.21	+0.07	1.40	0	13	1	24	6	.....	G. W. Harmon
Crawford	Lewis	1,107	4	.....	.....	.....	.....	.....	.....	.....	5.72	.....	1.75	0	14	10	15	6	.....	George W. Blair
Creston	Wirt	640	25	69.2	-4.2	92	23	46	25	34	3.87	+0.42	1.24	0	8	17	0	14	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	6	.....	.....	.....	.....	.....	.....	.....	2.51	.....	1.39	0	8	.....	.....	.....	.....	Lockmaster
Dam 12 O. R.	Ohio	660	11	.....	.....	.....	.....	.....	.....	.....	1.74	-3.03	0.57	0	9	.....	.....	.....	.....	Lockmaster
Dam 13 O. R.	Ohio	655	11	.....	.....	.....	.....	.....	.....	.....	2.06	-2.47	0.72	0	12	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	6	.....	.....	.....	.....	.....	.....	.....	3.56	.....	1.34	0	14	.....	.....	.....	.....	Lockmaster
Davis	Tucker	3,093	18	.....	.....	.....	.....	.....	.....	.....	6.28	-1.30	2.00	0	20	9^{f}	4^{f}	12^{f}	.....	Ross C. Male
Elizabeth (Dam 3 L. K.)	Wirt	615	15	.....	.....	.....	.....	.....	.....	.....	3.68	-0.69	1.11	0	12	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,947	26	63.3	-5.8	83	13	44	26	32	5.08	+1.43	1.23	0	15	4	14	13	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	2	.....	.....	.....	.....	.....	.....	.....	6.74	.....	1.03	0	15	7	12	12	.....	Claude A. Cunningham
Fairmont	Marion	883	21	68.3	-4.4	92	7	45	25	34	4.43	+0.74	1.29	0	10	17	4	10	w.	J. C. Robinson
Glenville	Gilmer	738	33	70.3	-2.8	91	13	46	27	32	5.24	+1.33	1.78	0	11	18	5	8	w.	Howard R. Brannon
Grafton	Taylor	1,000	34	67.6	-4.1	87	8	43	25	36	2.11	-1.79	0.70	0	9	13	7	11	ne.	T. D. Smith
Horner††	Lewis	1,044	4	.....	.....	.....	.....	.....	.....	.....	3.80	.....	0.70	0	10	.....	.....	.....	.....	Foster R. Hardman
Horton	Randolph	2,840	2	.....	.....	.....	.....	.....	.....	.....	5.26	.....	0.70	0	14	9	4	18	w.	I. W. White
Janelew (near)	Lewis	1,020	4	68.0	.....	88	7	44	25†	37	5.85	.....	2.35	0	7	22	3	6	nw	Dan Burkholder
Lost Creek	Harrison	1,026	29	66.2	-4.8	88	13	39	25	38	3.58	-0.44	0.95	0	9	10	14	7	w.	Allen Smith
Mannington	Marion	985	24	65.6	-5.3	85	7	41	25	32	3.55	-0.37	1.08	0	14	19	3	9	w.	Jas. A. Morgan
Morgantown^{a}	Monongalia	1,250	34	67.8	-4.8	90	7	43	25	35	2.51	-1.67	1.37	0	4	7	17	6	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	29	65.4^{a}	-5.5	89^{a}	13	45	28	41^{a}	2.39	-1.09	0.93	0	10	15	3	13	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	33	67.4	-6.7	90	7†	45	25†	34	2.45	-1.05	1.25	0	5	18	8	5	n.	Wm. Ankrom
Parkersburg	Wood	638	40	68.7	-5.2	90	7	51	25	30	3.76	+0.23	1.40	0	10	12	8	11	n.	U. S. Weather Bureau
Parsons	Tucker	1,649	27	61.4	-7.8	78	28	48	24	28	7.10	+3.31	2.63	0	12	15	10	6	.....	J. W. Swisher
Parsons No. 2	Tucker	.....	1	.....	.....	.....	.....	.....	.....	.....	7.14	+3.35	2.30	0	12	10	15	6	.....	Robert T. Deem
Philippi	Barbour	1,550	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Prof Elwyn F. Chase
Pickens	Randolph	2,697	24	61.7^{b}	-5.1	83^{b}	14	39^{b}	25	37^{b}	8.03	+2.92	1.34	0	12	12^{b}	6^{b}	11^{b}	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	4	.....	.....	.....	.....	.....	.....	.....	4.87	.....	1.60	0	14	11	14	6	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	40	.....	.....	.....	.....	.....	.....	.....	4.92	+1.05	2.47	0	10	.....	.....	.....	.....	Walter H. Bolyard
Saint Marys	Pleasants	577	18	.....	.....	.....	.....	.....	.....	.....	5.68	+0.92	2.30	0	11	.....	.....	.....	.....	Wm. Hughes
Smithfield	Wetzel	850	21	.....	.....	.....	.....	.....	.....	.....	1.34	-3.12	0.96	0	6	14	8	9	.....	Everett V. Price
Terra Alta	Preston	2,559	26	60.7	-7.2	81	13	34	25	36	5.77	+0.78	1.87	0	15	2	16	13	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	4	68.4	.....	89	7†	43	25	35	3.63	.....	1.29	0	8	15	7	9	w.	J. C. Campbell
Wellsburg	Brooke	668	26	65.8	-4.6	88	7	41	25	38	2.66	-1.18	0.63	0	8	13	11	7	.....	George P. Pfister
West Milford	Harrison	979	2	.....	.....	.....	.....	.....	.....	.....	2.90	.....	0.85	0	7	.....	.....	.....	.....	Miss Dicie E. Wagner
Weston	Lewis	1,026	32	68.5	-4.5	86	1†	46	27	37	2.45	-1.48	1.10	0	3	7	22	2	.....	Weston State Hospital
Wheeling	Ohio	645	40	67.0	-6.4	91	7	44	25†	39	2.39	-1.29	0.75	0	6	15	10	6	w.	Miss M. B. Forsyth
Woodlands	Marshall	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.51	.....	0.61	0	11	16	11	4	sw.	R. W. Rist
Averages and	extremes	.....	.....	66.5	-5.3	92	7†	34	25	41	4.20	+0.06	3.40	0	10	12	11	8	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	.....	.....	.....	.....	.....	.....	.....	.....	5.72	.....	1.20	0	14	14	6	11	w.	H. S. Sutton
Bancroft	Putnam	574	23	69.6	-4.0	90	13	50	17†	32	5.64	+1.22	0.83	0	13	18	0	13	nw.	R. E. Dent
Bluefield^{d}	Mercer	2,558	32	67.2	-3.7	86	8†	47	20	38	3.28	-1.14	1.08	0	9	13	10	4	.....	Norfolk & Western Ry.
Charleston	Kanawha	600	24	69.5	-6.1	92	13	51	25	33	6.15	+1.64	1.50	0	15	13	0	18	.....	R. O. Fields
Dam 6 G. K.	Kanawha	598	.....	.....	.....	.....	.....	.....	.....	.....	7.29	.....	1.38	0	13	.....	.....	.....	.....	Lockmaster
Dam 19 O. R.	Wood	600	11	.....	.....	.....	.....	.....	.....	.....	3.21	-0.88	0.98	0	13	.....	.....	.....	.....	Lockmaster
Dam 20 O. R.	Wood	600	11	.....	.....	.....	.....	.....	.....	.....	3.34	.....	1.29	0	9	.....	.....	.....	.....	Lockmaster
Dam 26 O. R.††	Mason	564	11	.....	.....	.....	.....	.....	.....	.....	4.27	.....	1.30	0	12	.....	.....	.....	.....	U. S. Engineer Office
Gary	McDowell	1,426	11	69.3	.....	88	7†	50	30	31	4.13	-0.54	0.90	0	10	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	30	70.6	-3.1	92	7	51	30	33	3.55	-0.31	1.35	0	9	6	10	15	.....	Mrs M. L. McClung
Huntington††	Cabell	538	31	.....	.....	.....	.....	.....	.....	.....	5.58	+1.74	1.76	0	9	.....	.....	.....	.....	L. H. Hutchinson
Kanawha Falls	Fayette	618	8	.....	.....	.....	.....	.....	.....	.....	7.46	.....	1.74	0	11	.....	.....	.....	.....	J. O. Brown
Kayford	Kanawha	1,336	11	.....	.....	.....	.....	.....	.....	.....	6.69	+2.83	1.37	0	16	.....	.....	.....	.....	Cabin Creek Con. Coal C
Lewisburg	Greenbrier	2,250	27	65.0	-4.9	83	7	45	25	30	4.02	+0.46	0.83	0	12	11	6	14	s.	Geo. T. Argabrite
Logan	Logan	700	24	.....	.....	.....	.....	.....	.....	.....	4.81	+1.16	1.22	0	8	.....	.....	.....	.....	J. R. Wampler
Marlinton	Pocahontas	2,131	28	61.9	-5.3	78	7†	42	25	28	5.55	+0.92	1.64	0	15	2	24	5	sw.	S. L. Brown
Organ Cave††	Greenbrier	.....	1	.....	.....	.....	.....	.....	.....	.....	3.50	.....	1.00	0	6	19	3	9	w.	J. J. Hedrick
Point Pleasant	Mason	595	34	69.3	-5.3	90	2†	46	25	35	5.43	+2.17	1.72	0	11	13	2	16	nw.	Miss Grace E. Henson
Powellton	Fayette	904	33	69.7	-3.2	90	1†	48	25	33	6.20	+1.93	2.10	0	8	.....	.....	.....	.....	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	12	66.8	.....	90	13	40	16	43	5.14	.....	1.30	0	13	15	0	16	ne.	Lockmaster
Robertsburg	Putnam	570	27	68.0	-6.4	91	13	45	29	39	4.67	+1.42	1.23	0	12	16	0	15	.....	M. Frazier
Ryan	Roane	700	24	65.7	-7.4	85	7†	46	25	33	4.94	+1.08	1.57	0	11	14	9	8	.....	Wm. E. Ryan
Sharples	Logan	.....	7	.....	.....	.....	.....	.....	.....	.....	5.21	.....	1.46	0	7	.....	.....	.....	.....	R. W. Howard
Sissonville	Kanawha	625	.....	.....	.....	.....	.....	.....	.....	.....	5.09	.....	1.52	0	7	.....	.....	.....	.....	J. N. Johnson
Spencer††	Roane	789	23	67.0	-5.7	87	7†	43	26	30	3.07	-0.49	1.10	0	7	9	15	7	.....	A. M. McKown
Summersville	Nicholas	1,894	3	66.1^{b}	.....	87^{b}	13	43^{b}	25	37^{b}	5.25	.....	1.30	0	9	12^{a}	4^{a}	14^{a}	.....	J. O. McMillion
Sutton	Braxton	850	21	67.3	-8.5	90	7†	49	18	33	6.87	+3.13	1.52	0	14	17	0	11	.....	C. B. Eakle
Union^{d}	Monroe	2,250	23	68.1	-2.5	89	8†	45	30	35	3.95	+0.10	0.80	0	10	6	6	15	.....	W. M. H. Young
Wayne	Wayne	598	.....	.....	.....	.....	.....	.....	.....	.....	4.05	.....	1.10	0	10	.....	.....	.....	.....	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	17	68.3^{a}	-2.2	92^{a}	6	45	24	39^{a}	2.92	-0.74	1.25	0	9	25	5	1	.....	H. E. Green
Williamson	Mingo	673	27	74.9	0	94	7	55	29	27	4.48	+0.94	1.00	0	7	16^{a}	0^{a}	14^{a}	sw.	A. J. Maynard
Averages and	extremes	.....	.....	68.1	-4.5	91	7	40	16	43	4.89	+0.65	2.10	0	11	14	5	12	sw.	
State averages and	extremes	.....	.....	67.1	-4.9	94	7	34	25	48	4.33	+0.22	3.40	0	11	12	9	10	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries. Reference letters ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for August, 1927

Stations	Drainage-basin	Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac	.87	.79	.19	.31					1.19	.14					.23			.11	.04	.96	.03		T.	.04				.41	1.03	.09		[illegible]
Brandywine	...do	.40		.65					.60				.10		.25				.90	.30	.15		.25						.40				4.00
Burlington	...do				T.	T.	T.		.40		.10	.80			.80																		†††
Harpers Ferry	...do	.05	1.00	.10					.22	.22					1.46	.32			.45					.11	.31					.12		.15	4.51
Inwood	...do	.04	.73		.11		.02		.40	.57					.05	.57			.30	.03					.12					.10	.08		3.12
Martinsburg‖	...do	.30	.10						.32	.70					.08	.27			.15	.05					.10			T.		.05		T.	2.12
Moorefield	...do	.22	.03	.29					.21	.04			.62		.16	.20					.66	.12	.13							.45			3.13
Piedmont	...do	.60		.25	.01	.29			.42	.10		.30			.22				T.	.04	.46									.12		.10	2.91
Romney‖	...do	.38			.38	.07				.35			.17			*	.28				.56	.03								.30			2.52
Stony River Dam	...do	1.13	.31	.15	.30			.09		.67			.24		.03	.22			.07	.10	.07	.05	.20	.06	.07			.04	.02	.26	.07		4.15
Upper Tract	...do			.60					.10						.10				.20		.10					.29			.02	.10			2.61
Wardensville‖	...do	.15	.05	.05	.30					.30			.21			.29					.15		.10	.07						.15			1.82
Northern Division																																	
Aberdeen	Monongahela	2.25	.03	.45	.04			.12	.80	.24					.46	.38			.27	.01		.51	T.		.03					.01			5.58
Alma (near)	Ohio		.05	.16	.01				2.11	.37					.51			.09	.16		.22				.01						.01		4.30
Bens Run	...do								3.40	.34					.42			.35	1.07			1.45											7.03
Benson	Monongahela		.15	.36			.65		.96	.16					.30	.31			.03	.04	.02				.12					.08			3.21
Brownsville	...do	.09	.01	.52	.05										.98				.45						.01								2.11
Bruceton Mills	...do	.50		.10					1.87		.10				.83			T.	1.10	T.	2.00		.33		T.					T.	.33		7.16
Buckhannon	do	1.20		.54			T.		1.44	.34		T.			.52	.20			.25	.05	.04		.20		.25				T.	.15			5.18
Cairo	Little Kanawha																																
Clarksburg‖	Monongahela	.37	.06	.06	.20				.42	.94					.01	.63			.02	.01		.59											3.31
Cortland‖	...do	.80	.15	.25	.15		.10		1.40									.10	.20	.15			.36			.10			.25	.20			4.21
Crawford	Little Kanawha	.70	.20	.60	.03		.03		1.36	.39					1.16	.55		.02	.34	.07					.07					.20			5.72
Creston‖	Monongahela			.24	.44			.19	.46	.91					.25	1.24																.14	3.87
Dam 10, Mon. R.‖	Ohio	.09	.03	.01	.06				.09	1.30						.43			.50			T.											2.51
Dam 12, O. R.‖	...do	.21		.02				.01	.43	.15						.57			.21												.12	.02	1.74
Dam 13, O. R.‖	Monongahela	.30	.20	.01	.01	.04			.72	.07					.02	.28			.12						.01						.28		2.06
Dam 15, Mon. R.‖	...do	.58	.05	.02	.12	.07			.12	1.22					.02	.81			.16		.04	.05			.09						.21		3.56
Davis‖	...do	2.00	.43	.06	.36	.11	.17	.15	1.04	.01			.01		.06	.30			.08	.06	.56	.40	.03		.01				T.	.31	.13		6.28
Elizabeth (D'm 3 L K	Little Kanawha	.16	.15	.08	.18				.90	.38					.22	1.11			.18			.01			.03							.30	3.68
Elkins***	Monongahela	1.15	.02	.65	.07	.06	T.		.95	.28					1.01			.14	.02	.15	.32		T.		.03				.19	.01			5.08
Evenwood	...do	1.03	.02	.07	.18	.05	T.		.61	.90					.81	.27			.98	.38	.60	.04	.10	T.				T.	.07				6.74
Fairmont‖	...do	.35	.40	T.	.15				.38	1.29						.70			.09			.04			.05						.98		4.43
Glenville‖	Little Kanawha	.64	.42	.16	.62			.30	.90	.23					.38	1.40			.13						T.			T.		T.	.06		5.24
Grafton‖	Monongahela	T.	.02	.02	T.				.70	T.					.01	.02			.27			.25	.22							.60			2.11
Horner	...do	.60	.38			.30	.35	.50		.50	.20					.70				.20					.07								3.80
Horton	...do	.63		.56	.04				.51	.70					.48	.41			.33	.26	.44	.21	.04		T.				.58	.07			5.26
Janelew (near)	...do	2.35		.45					.85	.55					.42				.48			.75											5.85
Lost Creek	...do	.95		.35	T.		.56		.90	.04					.67			T.	.04	T.	.02		T		.05								3.58
Mannington	...do		.03	.11	.01	.10			1.08	.35					.67			.04	.83	.01	.07	.03			.05					.17			3.55
Morgantown	...do				T.				1.37	T.			T.			.52			.52	T.	.10	T.											2.51
New Cumberland‖	Ohio	.25	.04						.70	.04						.93			.20	.12	T.			.02							.05	.04	2.39
New Martinsville	...do		.20						1.25						.35			.15	.50														2.45
Parkersburg***	...do	T.		.12				T.	1.40						.67			.22	.02		1.20	.01			.02					.02	.08		3.76
Parsons	Monongahela	2.63	.45	.55			.15	.09	.93	1.30					*	.30				.40		.10								.20			7.10
Parsons No. 2	...do	2.30	.56	.48			.40		2.30						.13	.17			.09		.46	.06		T.						.06	.13		7.14
Philippi	do																																
Pickens	...do	.52	.55	.62			.06		1.30	1.10					1.34			.42		1.34			.28		.08				.42				8.03
Roanoke	...do	.27	.23	.67	.03		.28		1.20	.40					.88	.50			.20		.04	.01			.02					.14			4.87
Rowlesburg‖	...do	.71	.47	.03	.30	.06				2.47						.47			.15		.14										.12		4.92
Saint Marys‖	Ohio	.05	.50	.03	.13				.65	2.30					.28	.26			1.20		T.	.26			.02								5.68
Smithfield‖	Fishing Creek	.16	.07							.96					.03	.11				.01													1.34
Terra Alta	Monongahela	.47	.06	.19	.06	.16			.89	.09		.22			.82	.06		T.	.26	1.28	.59	.03							T.	.59			5.77
Valley Chapel	...do	.88	.11	.35			.58		1.09	.20					.38	.04																	3.63
Vandalia	...do														.76					.52	.04					.07							†††
Wellsburg	Ohio	.21						.23	.61	.18					.55			T.	.12	.63	.13				T.								2.66
West Milford	Monongahela		.50	.34			.35		.85						.25							.55			.06								2.90
Weston	...do			.65						1.10	.70																						2.45
Wheeling‖	Ohio	.75	T.	T.				T.	.72	.05						.50			.15						T.						.22	T.	2.39
Woodlands‖	...do	.04	.17	.01	.01	.01			.61	.22					.03	.11			.28			.02											1.51
Southern Division																																	
rbovale	Great Kanawha	.18		.77	.07		.42		.55	.36					.95	.06			1.20	.18	.30		.27						.22	.19			5.72
ancroft‖	...do	.44	.54	.12	.62			.44	.40	.56					.36	.62			.49	.07	.15	.83											5.64
eckley	...do																																
luefield	...do			.40	.33				.09	1.08	.02					.34			.66		.16		.20										3.28
amden-on-Gauley‖	...do																						1.00								.80		1.80
harleston‖	...do	.20	.88	.10	1.04		.02	.34	.38	1.50	.06				.25	.76			.44	.02	.12										.04		6.15
lay‖	...do								3.20	.54		.90			.43	.69			.55	.07	.10		T.	.01	T.		T.	T.			.02		†††
am 6 G. K.‖	...do	1.22	.95	.07	.84		.05	.49	.07	1.38					.32	.78			.97		.08										.07		7.29
am 19 O. R.‖	Ohio	.02	T.	.04	.09			.01	.72	.30					.22	.43			.26	T.		.08			.02					T.	.04	.98	3.21
am 20 O. R.‖	...do	.05		.08	.06				1.29	.34						1.03			.24			.20			.02						.03		3.34
am 26 O. R.‖	...do	.42	.10	.10	.35			.01	.55	1.30					.25	.95			.04	.10											.10		4.27
ary‖	Big Sandy	.70			.90					.60		.10				.70		.08	.62		.40						.01	.02					4.13
inton‖	...do	.14	.08		.77					1.35						.60			.40	.02				*							.19		3.55
untington‖	Ohio	.24		.16	.80		.04	T.	.40	.86					T.	T.			.50	T.	1.76	.82								T.	T.		5.58
anawha Falls‖	Great Kanawha	.16	.93		1.63			.05	.05	.98	.88					1.74			.80	.10	.14												7.46
ayford‖	...do	.42	.21	T.	1.26	.02	.02	.03		1.37	.40	T.				1.08			.95	.58	.17		.01		T.	.03				.02		.12	6.69
ermit‖	Big Sandy																																
wisburg	Great Kanawha	.13		.97	.08				.83	.76					.32			T.	.23		.12		.20				.15		.16	.07	T.		4.02
gan‖	Guyandotte	.78			1.22					.18	.20	.25				1.01			1.02		.15												4.81
arlinton	Great Kanawha	.24	.04	1.64	.08		.04		1.02	.34					.79	.08		T.	.32	.04	.36	.08	T.				.06		.42				5.55
gan Cave	...do		1.00			.60			.70	.40					.35								.25										3.50
oint Pleasant‖	Ohio	.30	.58	.12	.30				.70	1.72					.61	.61			.10		.10										.29		5.43
owellton	Great Kanawha		.60	2.10	.10				.20	.80					.80				1.40	.20													6.20
venswood (Dam 22	Ohio	.30	.15	.16	.36			.24	.86	1.16					.44	1.30			.05	.05		.05			.02								5.14
bertsburg‖	Great Kanawha	.22	.81	.08	.25			.46	.60	1.23					.32	.47			.02	.03										.18			4.67
van	...do		.25	.49			.20		1.57	.28					1.49			.38	.03	.15	T.									.03	.07		4.94
arples‖	Coal River	.59		T.	1.35				T.	.61	.36	.02				.82			1.46						T.								5.21
ssonville‖	Great Kanawha	.55	1.52						*	1.37					*	1.10			.55								T.	T.					5.09
encer	...do	.04	T.	.10					1.05	1.10	T.				.12	.58			T.		T.										.08		3.07
mmersville	Gauley	.05		1.30			.25	.20	.65	.80					1.05			.35	.60														5.25
tton	...do	.15	.50	.55			.12		1.52	.73		.40			1.30	.25		.15	.45	.25			.25					.25					6.87
ion	...do	.63		.36	.22					.80	T.					.24			.60	.04	T.		.44		T.		.12			.50			3.95
ayne‖	Big Sandy	.29		.04	1.10				.18	.29					.17	.66			.96	.19	.17												4.05
hite Sulpr. Spgs‖	Great Kanawha	.15		.85					1.25						.55			.35			.52				.10				.05			.10	2.92
illiamson‖	Big Sandy	.80			.75					.90		.28				.65			1.00										.10				4.48

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete.

Daily Temperatures for August, 1927

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	81	72	64	73	75	81	87	83	78	76	76	78	86	81	73	72	78	77	72	71	78	80	75	59	67	71	67	71	67	74	77	74.8
	Minimum	58	56	50	54	54	40	46	51	54	36	48	46	48	55	60	35	36	55	53	49	47	47	49	46	34	35	44	37	49	43	42	47.0
Brandywine	Maximum	85	78	70	72	74	80	85	80	76	80	82	85	89	79	76	75	76	74	75	70	72	70	75	64	65	70	64	68	70	72	71	75.0
	Minimum	63	60	55	50	51	59	60	58	50	57	61	60	59	64	52	45	56	54	55	56	60	54	62	57	54	50	48	52	55	57	60	55.9
Burlington	Maximum	95	94	80	78	80	86	90	80	81	82	79	78	....	78	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	58	51	62	61	48	45	51	53	51	50	....	52	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Inwood	Maximum	81	83	77	68	78	82	83	88	81	82	84	85	86	88	75	76	78	83	68	89	82	81	82	88	85	87	82	86	84	88	86	82.1
	Minimum	67	60	58	58	61	52	58	64	70	46	49	55	56	65	64	48	54	60	58	59	55	53	54	51	37	43	45	51	48	47	49	54.7
Martinsburg§	Maximum	87	86	76	81	85	85	88	82	82	80	79	83	85	75	79	80	85	68	80	80	83	82	89	85	75	76	65	73	75	84	....	80.4
	Minimum	58	60	58	58	59	58	74	67	71	53	58	63	63	67	67	55	56	63	61	61	64	63	63	61	42	43	48	52	50	49	52	58.6
Moorfield	Maximum	86	82	78	83	85	87	91	90	85	83	81	86	92	85	84	87	88	80	76	78	83	79	89	84	76	74	72	75	77	87	85	82.8
	Minimum	65	61	58	60	54	52	55	65	59	48	55	60	61	65	47	48	50	40	49	61	58	58	63	61	47	47	53	49	55	53	54	55.2
Piedmont	Maximum	84	75	67	78	80	83	88	79	80	76	76	79	84	73	77	78	80	70	76	77	77	77	82	76	71	73	63	72	70	81	71	76.5
	Minimum	64	60	55	58	59	49	55	62	66	46	55	60	59	64	62	46	48	60	55	58	60	57	62	58	43	45	53	53	55	50	52	55.8
Romney	Maximum	85	79	69	81	....	88	88	87	84	....	82	83	88	....	80	82	86	81	76	78	82	77	89	72	75	74	66	72	85	....	....	80.3
	Minimum	....	61	56	59	58	....	50	63	71	46	....	56	59	61	....	45	51	59	57	60	59	58	62	58	43	45	51	53	55	50	....	55.6
Upper Tract	Maximum	83	....	76	76	....	84	86	80	79	....	80	80	80	78	78	80	80	75	76	78	78	79	80	....	....	78	79	70	70	80	80	78.6
	Minimum	61	....	56	57	57	51	53	52	51	....	47	56	57	58	59	48	44	58	58	56	53	49	44	....	....	44	44	45	44	49	48	51.8
Northern Division																																	
Bens Run	Maximum	88	79	75	80	84	86	84	79	78	79	74	86	89	76	76	79	75	75	75	76	78	81	86	78	75	77	78	71	74	79	82	79.1
	Minimum	66	59	58	60	56	58	63	69	66	51	59	57	54	68	62	52	55	57	58	58	55	58	63	55	50	50	52	58	57	60	56	58.1
Buckhannon	Maximum	80	72	64	72	76	78	81	78	74	76	78	78	80	73	73	72	76	70	70	75	75	79	80	74	70	70	66	67	67	76	76	74.1
	Minimum	64	62	60	59	52	54	57	65	67	50	60	54	58	57	64	48	51	59	58	52	56	57	58	51	45	48	52	49	51	55	54	55.7
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clarksburg §	Maximum	83	75	65	77	80	88	88	80	78	82	82	86	89	76	75	81	82	70	72	77	83	88	85	72	76	75	65	75	74	79	81	78.7
	Minimum	68	62	58	61	59	53	57	65	68	48	58	54	59	64	64	49	49	59	56	57	54	57	59	58	45	45	50	50	56	55	54	56.5
Creston	Maximum	88	87	69	79	83	85	89	82	79	84	85	87	91	78	89	82	79	73	74	76	83	90	92	87	77	79	69	74	70	80	84	81.4
	Minimum	66	61	60	60	56	57	59	67	68	50	60	54	58	68	62	50	52	57	58	58	55	56	58	57	46	48	48	56	52	56	57	57.1
Elkins	Maximum	78	70	62	71	75	78	83	78	73	79	78	81	83	72	71	74	77	71	69	68	75	77	81	65	71	68	59	66	66	76	76	73.3
	Minimum	61	56	56	59	54	51	54	61	51	47	58	56	55	62	50	46	48	60	56	54	54	55	57	47	45	44	49	46	53	55	52	53.3
Fairmont§	Maximum	84	77	65	82	83	88	92	77	81	83	86	86	91	73	79	81	80	70	77	77	82	85	89	74	78	77	64	75	71	81	84	79.7
	Minimum	69	62	58	61	61	54	59	59	67	49	60	55	60	66	64	50	51	55	58	56	57	58	58	56	45	47	53	52	55	55	54	56.9
Glenville	Maximum	85	83	74	77	83	86	89	86	82	84	85	88	91	85	81	83	82	75	72	80	83	90	88	87	79	80	71	73	77	82	87	82.2
	Minimum	68	62	59	61	59	58	58	66	69	53	63	57	60	68	68	52	51	60	59	57	58	60	60	58	47	49	46	55	52	57	59	58.4
Lost Creek	Maximum	81	75	66	77	81	84	84	80	78	83	84	86	88	77	78	81	80	69	68	76	82	83	87	79	75	71	68	74	71	80	84	78.4
	Minimum	65	60	57	60	58	50	55	64	66	45	52	57	55	65	60	45	45	57	55	55	51	55	55	55	39	42	45	46	55	54	51	54.0
Mannington	Maximum	82	79	70	75	79	80	85	81	76	77	80	81	84	75	73	74	75	69	72	73	76	82	81	75	73	74	65	69	69	76	79	76.1
	Minimum	65	61	55	60	59	50	56	66	66	45	56	51	58	65	63	46	47	57	57	55	56	55	58	55	41	44	46	50	55	55	52	55.0
Morgantown	Maximum	87	75	70	85	81	86	90	85	76	80	84	81	86	89	83	78	79	70	75	77	81	85	86	80	76	77	69	75	69	82	....	79.9
	Minimum	68	57	55	60	61	51	60	67	62	47	62	57	53	61	55	47	48	56	56	55	54	60	60	54	43	46	53	51	55	54	....	55.6
New Cumberland§	Maximum	88	72	74	81	78	84	87	83	75	80	82	84	89	70	72	78	71	76	77	78	86	85	70	75	74	77	71	67	74	76	....	77.8
	Minimum	64	56	51	52	54	50	46	66	59	47	50	52	55	56	56	47	49	55	54	55	57	57	52	47	47	48	50	45	56	59	55	53.1
New Martinsville	Maximum	86	80	71	80	82	85	90	85	78	79	86	86	90	77	76	79	77	73	77	77	81	88	88	84	76	78	73	70	77	79	81	80.3
	Minimum	65	58	54	55	57	53	57	66	52	46	54	53	58	64	59	48	49	54	52	52	54	54	58	52	45	45	47	53	52	55	54	54.4
Parkersburg	Maximum	85	74	65	79	81	85	90	82	77	79	83	85	88	78	75	76	74	72	74	75	79	85	86	71	74	75	67	69	74	76	81	77.9
	Minimum	68	64	60	62	64	59	64	70	61	55	59	55	63	69	62	55	56	59	60	59	56	60	62	56	51	53	54	58	54	60	58	59.5
Parsons	Maximum	71	75	70	70	75	73	75	68	66	68	72	74	73	70	68	69	68	69	69	71	70	71	65	65	71	61	63	78	71	68	70	69.9
	Minimum	63	61	60	56	60	56	53	52	52	49	52	50	56	58	55	54	51	49	50	52	53	52	49	48	52	49	49	50	49	49	51	52.9
Philippi	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Pickens	Maximum	78	71	64	70	75	80	82	70	73	82	81	81	....	83	73	77	78	72	69	76	79	82	80	65	73	68	62	68	78	78	....	74.8
	Minimum	59	52	49	51	50	48	52	60	50	45	55	48	....	49	48	40	46	56	50	45	49	51	57	42	39	42	41	40	47	47	....	48.6
Terra Alta	Maximum	77	68	62	69	73	76	79	75	72	73	75	79	81	75	68	72	76	67	68	68	75	75	79	74	70	65	59	69	62	73	74	71.9
	Minimum	59	54	49	55	58	41	50	56	61	37	52	49	53	58	60	39	40	56	53	49	50	48	50	50	34	42	46	40	51	50	46	49.5
Wellsburg	Maximum	85	76	73	82	81	85	88	85	76	81	86	85	87	82	75	78	75	71	77	76	79	84	85	72	75	76	70	68	70	78	80	78.7
	Minimum	63	58	52	50	54	47	58	65	58	43	49	50	58	64	54	45	55	57	55	54	55	52	58	53	41	43	45	49	51	49	52	52.8
Weston	Maximum	86	86	85	85	85	85	86	86	80	81	81	82	85	85	80	76	78	78	75	82	83	83	75	75	75	80	80	79	79	80	81	81.2
	Minimum	68	62	62	61	49	48	59	60	64	51	50	52	58	62	52	48	55	60	62	60	54	52	53	52	49	50	46	58	57	60	55	55.8
Wheeling§	Maximum	87	81	72	84	86	87	91	82	83	83	87	86	89	73	80	84	75	75	80	80	83	80	90	77	83	80	72	70	76	76	82	81.1
	Minimum	63	57	50	50	54	51	60	67	52	45	49	52	54	62	60	46	56	50	54	50	55	55	57	52	44	50	44	52	48	52	55	52.8
Southern Division																																	
Bluefield	Maximum	82	78	76	74	77	81	....	86	77	78	75	82	84	....	85	86	82	76	74	69	....	80	81	79	65	68	69	....	69	78	79	77.4
	Minimum	62	61	60	60	58	55	....	56	66	63	62	68	58	....	64	48	62	64	53	47	....	56	59	58	49	51	51	....	50	49	53	57.1
Charleston	Maximum	85	80	67	72	82	86	90	72	72	84	85	86	92	88	83	82	84	73	69	74	82	89	88	74	80	71	72	73	76	83	86	80.
	Minimum	68	61	61	61	59	61	61	66	69	56	56	59	59	62	68	54	54	58	55	59	58	62	62	60	51	52	56	55	53	53	56	59.
Gary §	Maximum	83	80	75	75	79	84	88	87	81	83	80	84	88	87	79	82	84	75	75	72	81	85	84	67	70	73	68	75	72	81	80	79.
	Minimum	67	62	63	64	60	57	59	65	68	64	61	62	58	61	68	54	57	62	63	59	59	59	61	60	52	51	54	52	51	50	52	59.
Huntington §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Lewisburg	Maximum	79	74	68	71	75	80	83	79	75	75	72	79	82	80	75	76	79	75	71	68	73	77	80	75	67	67	63	65	69	76	78	74.
	Minimum	63	57	57	57	55	52	55	63	65	56	57	59	56	60	62	46	56	64	57	58	54	56	60	55	45	53	49	49	47	46	48	55.
Marlinton	Maximum	74	70	62	70	72	74	78	72	74	72	70	76	78	68	70	72	76	72	78	66	74	72	76	66	68	66	60	68	66	74	72	71.
	Minimum	60	56	54	54	58	50	50	56	62	52	54	54	56	60	54	46	52	60	54	52	52	54	58	48	42	50	46	45	46	46	48	52.
Point Pleasant	Maximum	85	90	80	85	85	88	90	87	80	80	85	88	90	90	80	80	75	75	75	70	80	80	87	84	76	80	70	69	80	75	80	81.
	Minimum	65	60	59	59	60	60	59	70	65	63	50	55	60	69	60	50	52	55	55	59	55	56	56	59	46	50	60	55	51	55	55	57.
Ravenswood	Maximum	86	86	75	77	83	84	87	86	78	80	84	87	90	84	77	81	80	74	74	75	80	87	86	80	73	74	74	72	74	72	73	79.
	Minimum	65	63	59	61	58	59	53	51	57	42	49	44	50	59	53	40	52	58	49	59	55	57	60	56	45	50	51	54	52	51	52	53.
Robertsburg§	Maximum	85	77	66	80	84	85	88	84	79	80	82	89	91	77	78	81	75	74	75	76	81	88	86	72	76	75	71	79	84	82	81	80.
	Minimum	65	63	58	59	58	61	60	69	68	53	52	53	58	62	62	48	52	56	52	53	53	55	59	56	46	47	51	54	45	56	52	56.
Ryan	Maximum	80	75	68	75	83	82	85	75	75	80	80	83	85	70	70	80	70	71	70	70	70	82	80	80	75	70	70	70	75	80	80	76.
	Minimum	65	60	58	60	54	58	57	65	60	50	57	50	55	65	58	48	49	58	57	56	52	57	58	57	46	50	48	55	48	50	54	55.
Spencer §	Maximum	86	75	75	78	82	80	87	82	78	80	87	87	87	74	75	78	77	72	72	75	78	81	85	75	75	73	66	71	74	79	80	78.
	Minimum	66	59	57	58	58	57	60	63	67	51	57	60	58	62	63	48	50	55	56	56	52	54	58	56	50	43	49	51	48	50	54	55.
Sutton	Maximum	78	78	75	76	82	82	90	90	75	80	82	83	88	88	76	81	81	71	70	74	81	81	85	85	74	76	76	70	75	80	80	79.
	Minimum	59	61	60	61	55	56	57	60	58	55	60	56	55	57	56	51	54	49	50	55	54	50	54	53	50	55	50	55	54	55	54	55.
Union	Maximum	83	81	79	75	80	82	....	89	78	79	78	85	88	....	89	82	84	80	77	78	....	79	87	87	70	69	65	....	74	80	81	80.
	Minimum	63	58	59	58	57	56	....	55	67	59	59	57	57	....	60	47	59	64	59	59	....	56	57	56	46	53	53	....	47	45	50	56.
White Sulphur Spgs§	Maximum	83	67	79	84	87	92	85	79	77	89	75	89	88	84	85	85	79	78	73	80	82	91	76	73	74	68	77	74	83	82	....	80.
	Minimum	58	60	58	58	57	56	58	66	58	57	58	59	59	63	46	55	60	58	58	58	56	62	57	45	53	50	48	50	52	51	53	56.
Williamson §	Maximum	89	89	88	89	92	91	94	89	87	87	86	88	89	92	87	86	84	82	80	81	80	83	89	75	79	77	76	75	80	81	85	84.
	Minimum	70	68	66	64	65	66	70	72	73	70	67	66	67	67	68	66	64	66	66	68	65	66	68	65	56	57	59	57	55	57	61	65.

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 10 15 27 —840)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

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GENERAL SUMMARY

September was a pleasant month. As an average, there were but four cloudy days. While the temperature averaged but slightly more than 1.5° above the normal, the temperature was continuously above the normal from the 6th to the 19th. The last few days were also warm. Cool but fair weather prevailed from the 19th to the 25th, with light to heavy frosts on the mornings of the 21st, 22d, and 23d Heavy to dense fogs prevailed during the morning hours of the cool period, and there was but slight frost damage. The average temperature, 67.0°, was but 0 1° lower than for August, the preceding month. The rainfall was considerably below the normal and was mostly received before the 20th. The conditions were exceptionally favorable for the ripening of corn, which was exceptionally backward. Many fields were not fully matured at the close of the month Late plowing, however, was much retarded from lack of moisture in the soil.

TEMPERATURE

The monthly mean for the State, determined from 49 stations, was 67.0°. The departure from the normal for 39 stations having ten or more years of record was +1.3°. The month opened with the temperature near the normal, but slightly warmer weather set in on the 6th and continued until the 13th, when considerably warmer weather set in and continued until the 19th. It was cool from the 19th to the 25th, with light to heavy frosts on three or four mornings in most localities. The month closed moderately warm.

PRECIPITATION

The average precipitation for the State, determined from 85 stations, was 2.15 inches. The departure from the normal for 56 stations having ten or more years of record was —0.94 inch. Showers fell daily from the 8th to the 11th and on the 13-14th, 16th, 18-19th, and 29th, most of the rainfall being measured on the 5th, 11th, and 19th. The rainfall was heaviest over the central and north-central counties and lightest over the eastern and central-western counties.

MISCELLANEOUS PHENOMENA

Fogs, dense (dates and number of stations reporting): 1st, 10; 2d, 10; 3d, 7; 4th, 4; 5th, 5; 6th, 5; 7th, 10; 8th, 2; 9th, 4; 10th, 3; 12th, 12; 13th, 4; 14th, 3; 15th, 9; 16th, 6; 17th, 9; 18th, 4; 20th, 6; 21st, 3; 22d, 11; 23d, 7; 24th, 10; 25th, 8; 26th, 3; 27th, 5; 28th, 4; 29th, 3.

Halo, lunar: Bayard, 7th.

Thunderstorms (dates and number of stations reporting): 7th, 1; 8th, 6; 9th, 5; 10th, 6; 11th, 3; 13th, 4; 14th, 6; 16th, 2; [illegible]th, 4; 19th, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity Miles per hour	Max. velocity Direction	Max. velocity Date
Cincinnati, Ohio	30.03	79	50	60	298.9	80	3,645	5.1	24	nw.	7
Columbus, Ohio	30.03	79	55	61	277.3	74	5,638	7.8	39	nw.	7
Elkins	30.08	95	53	83	242.0	65	2,346	3.3	18	nw.	18
Lexington, Ky	30.04	74	53	....	251.0	67	7,020	9.8	47	sw.	29
Parkersburg	30.05	80	47	67	255.7	69	2,713	3.8	24	nw.	18
Pittsburgh, Pa	30.04	80	74	60	256.7	69	5,529	7.7	45	w.	18
Wytheville, Va	30.05	87	50	73	271.0	73	2,656	3.7	16	nw.	11

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 01 inch or more	Clear	Partly Cloudy	Cloudy
1891	66.8	......	......	1.66	......	......	......	......	......	......	......
1892	64.4	92	32	2.57	......	......	......	6	......	......	......
1893	65.0	91	29	2.28	4.50	1.05	......	6	......	......	......
1894	67.8	98	31	2.50	4.75	1.25	......	6	12	11	7
1895	70.3	107	29	1.70	4.25	0.42	......	4	17	8	5
1896	65.2	95	22	4.59	9.04	1.58	......	7	14	9	7
1897	66.4	103	27	1.14	4.00	0.02	......	3	22	6	2
1898	67.6	97	33	2.42	4.75	0.80	......	6	16	10	4
1899	64.0	100	26	3.65	6.35	1.65	......	8	14	9	7
1900	71.1	100	35	1.92	5.50	0.34	......	6	14	10	6
1901	64.8	95	27	3.35	7.64	1.46	......	8	13	8	9
1902	64.8	98	25	2.98	4.81	1.23	......	9	12	9	9
1903	64.7	97	25	1.30	2.78	0.10	......	4	21	6	3
1904	67.0	95	25	1.76	4.55	0.53	......	6	16	10	4
1905	65.6	97	29	2.21	4.21	0.54	......	4	18	8	4
1906	69.9	97	38	3.25	5.44	0.57	......	9	12	10	8
1907	66.3	93	30	4.41	7.10	2.00	......	11	12	10	8
1908	65.9	99	24	0.95	2.54	0.26	......	3	21	6	3
1909	63.7	95	28	2.74	8.75	0.63	......	6	15	9	6
1910	68.4	97	32	3.50	6.04	0.50	......	10	12	11	7
1911	68.8	100	32	4.67	8.30	1.80	......	11	12	11	7
1912	68.6	98	30	3.85	9.18	1.13	......	8	17	7	6
1913	64.2	100	25	2.88	6.38	0.86	......	8	14	7	9
1914	63.2	97	24	1.58	5.65	0.17	......	5	18	6	6
1915	67.6	100	31	3.84	7.18	2.00	......	9	16	8	6
1916	63.0	99	27	3.71	7.88	1.01	......	7	18	6	6
1917	62.4	98	28	2.79	6.62	1.16	T.	7	17	7	6
1918	60.5	93	24	2.92	4.73	1.37	T.	8	15	7	8
1919	66.0	98	31	2.11	4.37	0.12	......	5	18	7	5
1920	66.7	96	34	3.14	5.38	1.34	......	8	16	7	7
1921	70.9	97	39	4.76	9.07	1.65	......	12	12	10	8
1922	67.2	100	25	2.14	5.64	0.10	......	4	21	5	4
1923	66.5	96	29	3.31	5.36	1.00	......	7	16	8	6
1924	60.7	100	26	5.96	8.97	2.80	T.	12	11	7	12
1925	70.9	102	34	2.29	5.89	0.50	......	8	14	9	7
1926	68.6	98	31	5.35	10.57	1.44	......	13	10	8	12
1927	67.0	100	24	2.15	5.29	0.23	......	5	19	7	4
1891-1927	66.3	107	22	2.87	10.57	0.02	T.	7	15	8	7

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., September, 1927

See temperature and precipitation data in Climatological Tables, Pages 34, 35, and 36

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation	.156	.134	.200	.172	.173	.133	.135	.198	.030	.113	.217	.185	.167	.060	.135	.211	.150	.130	.253	.140	.141	.155	.078	.100	.111	.133	.111	.101	.106	.167	....	4.295
	Wind movement	35	27	24	26	10	58	25	13	11	27	26	44	33	23	21	35	30	20	50	34	45	43	28	40	15	16	16	12	32	27	....	846

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for September, 1927

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard[c]	Grant	2,375	26	62.3	+2.3	88	7†	24	23	47	0.97	−2.78	0.41	0	5	17	6	4	w.	U. G. Clark
Brandywine	Pendleton	1,586	11	64.4	+0.4	93	16	30	23†	38	2.30	−0.28	1.15	0	6	25	0	5	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	38	.....	.....	.....	.....	.....	.....	.....	0.23	−2.66	0.13	0	2	.....	.....	.....	.....	J. C. Newcomer
Inwood	Berkeley	569	5	67.0	.....	95	15	34	25	45	0.81	.....	0.51	0	5	21	3	6	nw.	L. E. Dills
Martinsburg	Berkeley	435	35	65.0[a]	−1.1	97[a]	15	30	25	50[a]	0.83	−2.04	0.22	0	5	25	4	1	se.	Dr. H. S. Gardner
Moorefield	Hardy	900	31	69.6	+2.9	99	18	32	22	53	0.41	−2.27	0.26	0	5	28	2	0	.....	M. S. Henkel
Piedmont	Mineral	1,053	14	66.8	+1.7	97	15†	34	22†	40	0.94	−1.42	0.30	0	7	14	9	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	29	66.4[c]	+0.3	96[b]	18	32[c]	22†	48[e]	1.05	−1.71	0.70	0	4	20	6	4	.....	George E. Bergdoll
Stony River Dam	Grant	3,300	7	.....	.....	.....	.....	.....	.....	.....	0.76	.....	0.32	0	6	8	9	13	w.	A. C. Becker
Upper Tract	Pendleton	1,230	28	65.6[d]	+0.1	90[d]	7†	32[d]	22†	43[d]	1.58	−0.81	1.30	0	2	25	0	5	w.	J. M. Mallow
Wardensville	Hardy	1,200	9	65.4[a]	.....	99[a]	17	28	24	52[a]	1.68	.....	0.83	0	3	19[d]	4[d]	3[d]	.....	Luther F. Sutton
Averages and	extremes	.....	.....	65.8	+0.9	99	17†	24	23	53	1.05	−1.75	1.30	0	5	20	5	5	w.	
Northern Division																				
Aberdeen	Upshur	1,060	3	.....	.....	.....	.....	.....	.....	.....	1.96	.....	0.73	0	5	16	9	5	w.	L. Else Bond
Alma (near)	Tyler	.....	0	.....	.....	.....	.....	.....	.....	.....	1.95	.....	1.25	0	9	17	12	1	.....	D. N. Furbee
Bens Run	Pleasants	652	25	70.4	+2.7	95	15	41	22†	40	1.19	−1.16	0.41	0	7	18	12	0	.....	J. D. Riggs
Benson	Harrison	1,080	4	65.4[c]	.....	90[c]	7†	32	22†	47[c]	2.37	.....	1.02	0	5	15	12	3	.....	R. D Marts
Brownsville	Lewis	1,032	4	68.4	.....	92	15†	34	22†	46	4.34	.....	1.56	0	8	22	7	1	.....	George M. Myers
Bruceton Mills	Preston	1,549	7	.....	.....	.....	.....	.....	.....	.....	2.85	−0.67	1.22	0	6	5	23	2	w.	W. M. Wolf
Buckhannon	Upshur	1,411	30	64.4	+0.4	85	16†	35	22†	34	2.39	−0.74	0.95	0	7	25	5	0	.....	H. A. Darnall
Clarksburg	Harrison	1,015	5	67.2	.....	94	7	35	22	45	2.70	.....	1.75	0	7	18	11	1	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	16	.....	.....	.....	.....	.....	.....	.....	1.75	−1.73	1.25	0	5	13	13	4	.....	G. W. Harmon
Crawford	Lewis	1,107	4	.....	.....	.....	.....	.....	.....	.....	2.65	.....	0.80	0	6	19	10	1	w.	George W. Blair
Creston	Wirt	640	25	69.8	+2.6	95	7†	35	23	45	0.92	−1.66	0.34	0	4	21	0	9	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	6	.....	.....	.....	.....	.....	.....	.....	2.04	.....	1.02	0	5	.....	.....	.....	.....	Lockmaster
Dam 12 O. R.	Ohio	660	11	.....	.....	.....	.....	.....	.....	.....	3.21	−0.53	0.97	0	6	.....	.....	.....	.....	Lockmaster
Dam 13 O. R.	Ohio	655	11	.....	.....	.....	.....	.....	.....	.....	2.77	−1.09	1.84	0	7	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	6	.....	.....	.....	.....	.....	.....	.....	2.43	.....	1.25	0	5	.....	.....	.....	.....	Lockmaster
Davis	Tucker	3,098	18	.....	.....	.....	.....	.....	.....	.....	1.98	−1.79	0.79	0	6	23	2	5	.....	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	15	.....	.....	.....	.....	.....	.....	.....	0.49	−2.20	0.17	0	4	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,947	26	63.8	+0.8	87	18	32	22	37	3.47	+0.60	1.99	0	7	7	17	6	nw.	U. S. Weather Bureau
Evenwood	Randolph	3,240	2	.....	.....	.....	.....	.....	.....	.....	3.07	.....	1.00	0	8	15	10	5	.....	Claude A. Cunningham
Fairmont	Marion	883	21	68.6	+1.7	93	15†	35	23	43	2.98	+0.09	2.10	0	4	19	9	2	w.	J. C. Robinson
Glenville[a]	Gilmer	738	33	70.4	+2.7	94	7†	37	23	43	3.93	+0.66	2.25	0	7	18	10	1	w.	Howard R. Brannon
Grafton	Taylor	1,000	34	67.6	+1.2	91	18	35	22†	39	2.78	+0.85	1.55	0	3	14	12	4	ne.	T. D. Smith
Horner	Lewis	1,044	4	.....	.....	.....	.....	.....	.....	.....	3.77	.....	1.37	0	8	.....	.....	.....	.....	Foster R. Hardman
Horton	Randolph	2,840	2	.....	.....	.....	.....	.....	.....	.....	1.72	.....	0.58	0	6	16	3	11	w.	J. W. White
Janelew (near)	Lewis	1,020	4	66.6	.....	92	16	31	22	45	2.45	.....	1.30	0	3	26	3	1	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	29	66.3	+1.4	92	7†	30	22	48	2.54	−0.24	0.96	0	7	20	8	2	w.	Allen Smith
Mannington	Marion	985	24	64.6	0	88	18	33	23	38	3.82	+0.65	2.16	0	13	20	9	1	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	34	68.6	+1.4	94	15	36	22†	38	2.52	−0.65	0.80	0	6	9	19	2	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	29	65.6[a]	+0.7	92[a]	15	33	25	45[a]	1.93	−1.16	0.74	0	5	17	3	10	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	33	68.7	+2.3	94	15	35	22	47	1.75	−0.90	1.05	0	4	17	11	2	n.	Wm. Ankrom
Parkersburg	Wood	638	40	70.0	+2.7	93	15	39	22	36	0.67	−2.05	0.20	0	6	15	9	6	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	27	59.2	.....	86	17	33	20†	39	2.26	−0.86	0.93	0	3	25	4	1	.....	J. W. Swisher
Parsons No. 2	Tucker	.....	1	.....	.....	.....	.....	.....	.....	.....	2.77	−0.35	1.44	0	8	22	6	2	.....	Robert T. Deem
Philippi	Barbour	1,550	30	67.1	+1.8	88	6†	34	22	35	5.29	+2.15	3.21	0	10	19	7	4	w.	Prof. Elwyn F. Chase
Pickens	Randolph	2,697	24	62.5	+0.9	86	6†	28	21†	44	2.52	−1.41	0.90	0	6	25	4	1	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	4	.....	.....	.....	.....	.....	.....	.....	3.09	.....	1.50	0	6	26	3	1	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	40	.....	.....	.....	.....	.....	.....	.....	1.94	−1.13	0.83	0	5	.....	.....	.....	.....	Walter H. Bolyard
Saint Marys	Pleasants	577	18	.....	.....	.....	.....	.....	.....	.....	1.09	−1.41	0.35	0	5	.....	.....	.....	.....	Wm. Hughes
Smithfield	Wetzel	850	21	66.0	+1.5	93	6	33	25	55	1.19	−2.00	0.84	0	5	13	14	3	.....	Everett V. Price
Terra Alta	Preston	2,559	26	60.8	−1.5	84	15	29	22	43	0.80	−2.83	0.29	0	6	10	9	11	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	4	68.2	.....	93	18	33	23	48	2.45	.....	1.05	0	6	25	4	1	w.	J. C. Campbell
Vandalia	Lewis	1,120	4	.....	.....	.....	.....	.....	.....	.....	1.95	.....	1.29	0	3	.....	.....	.....	.....	Creed H. McCue
Wellsburg	Brooke	668	26	65.6	+1.4	94	15	34	22†	46	1.93	−1.26	0.75	0	7	16	7	7	.....	George P. Pfister
West Milford	Harrison	979	2	.....	.....	.....	.....	.....	.....	.....	3.73	.....	1.80	0	7	.....	.....	.....	.....	Miss Dicie E. Wagner
Weston	Lewis	1,026	32	69.3	+2.5	91	16†	35	23	38	3.50	+0.61	1.25	0	4	13	15	2	.....	Weston State Hospital
Wheeling	Ohio	645	40	68.0	+1.6	100	15	35	21	44	3.21	+0.48	1.07	0	6	18	10	2	se.	Miss M. B. Forsyth
Woodlands	Marshall	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.57	.....	1.76	0	5	17	8	5	sw.	R. W. Rist
Averages and	extremes	.....	.....	66.9	+1.6	100	15	28	21†	55	2.50	−0.65	3.21	0	6	18	9	3	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	.....	.....	.....	.....	.....	.....	.....	.....	1.15	.....	0.78	0	6	24	3	3	nw.	H. S. Sutton
Bancroft	Putnam	574	23	69.6	+1.3	94	14†	41	22	37	1.57	−1.22	0.80	0	4	26	0	4	ne.	R. E. Dent
Bluefield[e]	Mercer	2,558	32	66.8	+1.1	89	16†	36	23	38	0.54	−2.12	0.20	0	4	17	6	2	.....	Norfolk & Western Ry.
Charleston	Kanawha	600	24	71.2	+1.1	96	14†	41	22†	40	1.88	−1.25	0.89	0	5	22	0	8	.....	R. O. Fields
Clay	Clay	706	13	.....	.....	.....	.....	.....	.....	.....	4.96	+1.50	3.21	0	6	.....	.....	.....	.....	Chilton Wilson
Dam 6 G. K.	Kanawha	598	.....	.....	.....	.....	.....	.....	.....	.....	3.32	.....	2.65	0	4	.....	.....	.....	.....	Lockmaster
Dam 19 O. R.	Wood	600	11	.....	.....	.....	.....	.....	.....	.....	1.37	−2.39	0.68	0	6	.....	.....	.....	.....	Lockmaster
Dam 20 O. R.	Wood	600	11	.....	.....	.....	.....	.....	.....	.....	1.52	−1.80	0.95	0	6	.....	.....	.....	.....	Lockmaster
Dam 26 O. R.	Mason	564	11	.....	.....	.....	.....	.....	.....	.....	1.30	.....	0.56	0	3	.....	.....	.....	.....	U. S. Engineer Office
Gary	McDowell	1,426	11	68.0	.....	72	18	37	23†	40	0.76	−2.69	0.37	0	7	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	30	70.0	+2.4	93	16	41	23†	36	2.67	−0.09	2.27	0	4	8	10	12	.....	Mrs. M. L. McClung
Kanawha Falls	Fayette	618	8	.....	.....	.....	.....	.....	.....	.....	1.91	.....	1.21	0	4	.....	.....	.....	.....	J. O. Brown
Kayford	Kanawha	1,336	11	.....	.....	.....	.....	.....	.....	.....	2.27	−1.65	1.22	0	7	.....	.....	.....	.....	Cabin Creek Con. Coal C
Kermit	Mingo	579	1	.....	.....	.....	.....	.....	.....	.....	2.94	.....	2.00	0	5	.....	.....	.....	.....	E. B. Kirk
Lewisburg	Greenbrier	2,250	27	64.1	0	86	16†	32	23†	37	3.26	−0.43	1.42	0	7	21	7	2	s.	Geo. T. Argabrite
Logan	Logan	700	24	.....	.....	.....	.....	.....	.....	.....	2.67	−0.32	1.05	0	6	.....	.....	.....	.....	J. R. Wampler
Marlinton	Pocahontas	2,131	28	60.6	−0.8	84	16	28	23	38	1.29	−1.82	0.36	0	5	10	19	1	sw.	S. L. Brown
Organ Cave	Greenbrier	.....	1	.....	.....	.....	.....	.....	.....	.....	2.20	.....	1.63	0	4	24	4	2	w.	J. J Hedrick
Point Pleasant	Mason	595	34	70.4	+1.2	100	16†	40	21†	46	1.73	−0.79	0.58	0	6	22	1	7	sw.	Miss Grace E. Henson
Powellton[a]	Fayette	904	33	68.2	+1.1	93	16	35	22	40	1.71	−1.29	1.11	0	2	.....	.....	.....	.....	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	12	68.2	.....	94	14†	35	23	49	1.15	.....	0.45	0	3	22	0	8	sw.	Lockmaster
Robertsburg	Putnam	570	27	68.8	+0.7	95	17	35	23	43	1.42	−0.89	0.89	0	4	21	0	9	.....	M. Frazier
Ryan	Roane	700	24	66.2	−0.1	95	17†	31	23	42	2.69	−0.10	1.32	0	7	21	5	4	.....	Wm. E. Ryan
Sharples	Logan	.....	7	.....	.....	.....	.....	.....	.....	.....	1.73	.....	0.83	0	5	.....	.....	.....	.....	R. W. Howard
Spencer	Roane	789	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. M. McKown
Sutton	Braxton	850	21	68.0	−2.1	96	16†	37	23	41	3.45	+0.29	1.45	0	4	26	0	4	.....	C. B. Eakle
Union[d]††	Monroe	2,250	23	67.2	+2.1	91	14†	32	23	42	3.08	+0.48	1.60	0	6	16	8	2	.....	W. M. H. Young
Wayne	Wayne	598	.....	.....	.....	.....	.....	.....	.....	.....	2.08	.....	1.46	0	4	.....	.....	.....	.....	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	17	67.8[a]	+3.4	97[a]	15	33	21†	44[a]	2.13	−1.00	0.82	0	8	26	3	1	.....	H. E. Green
Williamson	Mingo	673	27	72.4	+3.1	95	14†	42	23	35	1.04	−1.98	0.56	0	5	24	0	6	sw.	A. J. Maynard
Averages and	extremes	.....	.....	68.0	+1.0	100	16†	28	23	49	2.03	−1.05	3.21	0	5	21	4	5	sw.	
State averages and	extremes	.....	.....	67.0	+1.3	100	15†	24	23	55	2.15	−0.94	3.21	0	5	19	7	4	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for September, 1927

Stations	Drainage-basin	Day of month																															[illegible]
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard|||	Potomac									.17		.19			.12		.08			.41													0.97
Brandywine	do	.10							.15		.20	.55		T.	1.15					.15													2.30
Burlington	do																																
Harpers Ferry |||	do								T	.13										.10													0.23
Inwood	do	.04							.10	.05		.51									.11												0.81
Martinsburg|||	do								T.	.20		.22			.04					.20	.17												0.83
Moorefield	do								.04		.05	.03					.26		.03														0.41
Piedmont	do								.18	.03	.01	.28		.02					.12	.30													0.94
Romney |||	do								.02	.10		.70								.23													1.05
Stony River Dam	do	.02										.18	.04		.17		.03			.32													0.76
Upper Tract	do								1.30						.28																		1.58
Wardensville|||	do	.83								.45		.40								T.													1.68
Northern Division																																	
Aberdeen	Monongahela								.63		.06	.48		T.	.06		T.			.73										T.	T.		1.96
Alma (near)	Ohio								.02		1.25				.25		.14		.01	.13									.12	.02	.01		1.95
Bens Run	do								.06		.41		.06		.29		.06			.26										.05			1.19
Benson	Monongahela								.19			.80			.26					1.02										.10			2.37
Brownsville	do								.55		.88	.62		.05	.28		.38			1.56										.02			4.34
Bruceton Mills	do								.94		T.	.20		.27			*		1.22	.22										T.	T.		2.85
Buckhannon	do								.20	.15	.20	.73			.08		.08			.95											T.		2.39
Cairo	Little Kanawha																																
Clarksburg|||	Monongahela									.13		1.75			.01		.07		.07	.63										.04			2.70
Cortland |||	do							.10	.15	.05									.20	1.25													1.75
Crawford	Little Kanawha								.64		.06	.58			.25		.32			.80													2.65
Creston |||	Monongahela									.17		.34			.07					.34													0.92
Dam 10, Mon. R.|||	Ohio								.05			.50			.41		.06			1.02													2.04
Dam 12, O. R.|||	do									.97	.82				.12		.12			.80										.38			3.21
Dam 13, O. R.|||	Monongahela									.07	.08	1.84			.25		.05			.26										.22			2.77
Dam 15, Mon. R.|||	do											1.25		.03	.43					.61										.08	.03		2.43
Davis |||	do								.27	.13	.45				.79		.06			.28											T.		1.98
Elizabeth (D'm 3 L K)	Little Kanawha								.17			.09								.10										.13			0.49
Elkins ***	Monongahela								.55	T.	1.31	.68		.08		.01	T.		.43	.41													3.47
Evenwood	do								.19		1.00	.24	.50	.30	.15		.27		T.	.42													3.07
Fairmont|||	do										T.	2.10		T.	.30	T.				.48										.10	T.		2.98
Glenville |||	Little Kanawha								.60	1.65		.54			.21		.18			.63		T.								.12			3.93
Grafton|||	Monongahela								T.			1.55			.23					1.00													2.78
Horner	do								.50	.29		1.37			.40		.04			1.12										.03	.02		3.77
Horton	do								.22			.58			.51	.10	.13			.18													1.72
Janelew (near)	do								.55			.60							1.30														2.45
Lost Creek	do								.96		.31	.20		T.	.10				.20	.75									T.	.02	T.		2.54
Mannington	do								.01		.83	2.16		.05	.12	.01	.02		.35	.15		.01							.01	.07	.03		3.82
Morgantown	do								T.		.14			.30	.40		.58		.80	.30										T.			2.52
New Cumberland|||	Ohio								.28			.74								.47										.42	.02		1.93
New Martinsville	do										.40	1.05		.10					.20														1.75
Parkersburg ***	do							.17	.03		.12			.14		T.			.14		T.								.07		T.		0.67
Parsons	Monongahela							.93			.60								.73														2.26
Parsons No. 2	do								.18	T.		.45	T.		1.44	.06	.20		.05	.38	T.									.01			2.77
Philippi	do								.18	.02	.30	2.91	.02	.15	T.		T.		.42	1.26	.02				.01								5.29
Pickens	do								.42	.05	T.	.90			.60		.10			.45													2.52
Roanoke	do								.50			.54			.28		.23			1.50										.04			3.09
Rowlesburg |||	do								.06			.25			.83		.02			.78													1.94
Saint Marys |||	Ohio											.20			.21		.19			.35										.14			1.09
Smithfield |||	Fishing Creek										.06	.84			.07					.14											.08		1.19
Terra Alta	Monongahela									.07	T	.29		.04	.26		.12	.02		T.										T.			0.80
Valley Chapel	do								.39			.66		.01	.32		.02			1.05													2.45
Vandalia	do								.32		1.29						.34																1.95
Wellsburg	Ohio								.27	.10	T.			.07	.19				.75										.33	.22			1.93
West Milford	Monongahela								1.80		.48	.45				.10			.05	.80								.05					3.73
Weston	do									.25	1.25		1.00							1.00													3.50
Wheeling|||	Ohio								T.	.89		1.07		T.	.42		.08			.40										.35			3.21
Woodlands |||	do								.18	.02		1.76								.51										.10			2.57
Southern Division																																	
rhovale	Great Kanawha								.08	.03		.78			.17		.03			.06													1.15
ancroft |||	do								.10			.57								.80										.10			1.57
eckley	do																																
uefield	do								.18		.08		.20							.08													0.54
arleston |||	do								.03	.26		.53								.89										.17			1.88
ay |||	do								.34	.86		3.21			.06					.45										.04			4.96
am 6 G K. |||	do									.40		.17								2.65										.10			3.32
m 19 O. R. |||	Ohio								.08	.02		.68			.38					.10										.11	T.		1.37
m 20 O. R. |||	do								.20	.15		.95			.07					.03										.12			1.52
m 26 O. R. |||	do								.44			.56								.30													1.30
r |||	Big Sandy								.01	.37	.10	.16			.05					.03	.04												0.76
nton |||	do									.22		2.27			.13					.05													2.67
ntington |||	Ohio																																
nawha Falls |||	Great Kanawha									.20		1.21								.40										.10			1.91
vford |||	do			1.22						.11		.39					.25			.14	.06									.10			2.27
rmit |||	Big Sandy					.15				.55		.12								2.00										.12			2.94
visburg	Great Kanawha			.19	1.42				.08		T.	1.17			.11		.21			.08													3.26
ran |||	Guyandotte	T.				.38			.31	.50		1.05								.30										.13			2.67
rlinton	Great Kanawha								.28			.26			.36		.28		T.	.11													1.29
an Cave	do			.15	.10							1.63					.32																2.20
nt Pleasant |||	Ohio								.32	.04		.52								.58										.12	.15		1.73
velton	Great Kanawha											1.11	.60																				1.71
enswood (Dam 22	Ohio								.25		T.	.45								.45										T.			1.15
ertsburg |||	Great Kanawha								.89			.39								.10										.04			1.42
n.	do								.53		.09	1.32			.17					.49									.07	.02			2.69
rples |||	Coal River								.18	.65		.30								.42										.18			1.73
onville |||	Great Kanawha																																
ncer |||	do																																
mersville	Gauley																																
on	do								1.45			1.00				.45				.55													3.45
on	do					.57			.11		T.	*	1.60				.21			.59													3.08
ne |||	Big Sandy									.47		.04								1.46										.11			2.08
te Sulpr. Spgs. |||	Great Kanawha						.15		.12	.13	.43			.03	.30	.82			.15														2.13
iamson |||	Big Sandy								.20	.36		.08								.35										.05			1.04

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete.

Daily Temperatures for September, 1927

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	75	78	79	78	81	83	88	83	73	81	81	79	81	84	88	86	84	87	84	76	72	62	62	....	....	....	78	79	81	82	....	79.4
	Minimum	46	38	39	48	37	39	46	55	59	51	62	43	52	63	57	56	51	49	52	29	30	26	24	....	....	....	34	37	49	48	....	45.2
Brandywine	Maximum	74	75	86	87	85	86	90	80	85	82	78	75	85	86	91	93	90	89	80	75	70	62	60	65	64	65	75	65	72	84	....	78.5
	Minimum	55	57	50	52	55	56	52	58	57	56	54	53	49	60	60	63	62	57	60	45	40	32	30	31	30	35	40	48	56	54	....	50.2
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Inwood	Maximum	75	85	88	86	82	85	92	72	68	81	83	77	88	89	95	88	89	93	68	76	68	67	67	73	79	77	83	73	86	91	....	80.8
	Minimum	56	55	59	57	56	48	55	63	64	57	63	57	50	58	63	71	60	63	65	43	48	35	42	36	34	38	43	51	56	54	....	53.3
Martinsburg§	Maximum	77	88	91	88	87	86	85	73	71	82	84	80	91	91	97	88	91	85	71	78	70	70	70	75	80	80	85	72	87	....	....	81.8
	Minimum	52	53	54	52	50	49	48	52	61	55	60	49	46	50	57	63	55	59	60	41	45	32	32	32	30	33	38	40	52	50	....	48.3
Moorfield	Maximum	83	90	93	88	87	93	94	89	73	90	86	83	89	94	97	92	94	99	93	93	77	71	71	76	86	83	88	85	91	90	....	87.3
	Minimum	59	56	51	56	48	50	56	64	64	58	65	54	50	62	64	65	56	60	59	40	42	32	33	34	33	37	42	45	58	63	....	51.9
Piedmont	Maximum	80	84	86	85	80	84	91	78	67	83	85	85	88	92	97	94	94	97	88	80	66	63	64	71	75	81	83	84	78	70	....	81.8
	Minimum	56	50	50	55	48	48	53	63	64	61	66	51	50	64	65	65	59	60	59	40	43	34	34	35	36	42	47	57	50	45	....	51.7
Romney	Maximum	87	89	91	89	85	90	93	70	71	87	85	72	87	94	95	90	93	96	73	78	70	68	70	73	80	82	85	....	88	....	....	83.2
	Minimum	....	54	49	55	47	47	....	54	63	57	60	51	49	52	65	63	62	59	59	40	43	32	34	34	32	35	40	49	....	55	....	49.6
Upper Tract	Maximum	78	85	86	85	....	....	90	84	78	82	82	....	82	86	88	89	90	89	....	75	73	69	70	71	77	81	80	80	84	82	....	81.4
	Minimum	56	56	58	50	....	....	52	52	56	62	61	....	50	61	61	61	60	58	....	39	34	32	32	33	34	38	40	40	57	61	....	49.8
Northern Division																																	
Bens Run	Maximum	85	86	89	86	88	89	92	83	87	86	84	82	89	93	95	90	92	92	77	76	65	66	71	77	79	85	82	85	87	85	....	84.1
	Minimum	50	54	55	64	48	53	58	66	65	63	69	68	58	68	66	69	62	66	59	43	44	41	41	43	45	47	52	53	62	65	....	56.6
Buckhannon	Maximum	75	76	71	80	79	82	84	80	80	80	76	76	75	83	84	85	82	85	70	67	64	60	62	68	72	71	75	77	81	79	....	76.0
	Minimum	51	54	54	62	50	52	54	54	52	58	67	55	54	65	63	68	61	62	59	43	48	35	35	38	38	41	44	50	61	55	....	52.8
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Clarksburg §	Maximum	83	85	87	84	86	89	94	79	88	88	81	79	81	91	91	88	90	91	72	72	63	63	65	77	82	83	85	86	90	86	....	82.6
	Minimum	52	50	50	55	46	49	54	58	63	60	62	54	54	60	64	67	59	62	59	41	45	35	36	39	37	38	45	52	53	58	....	51.9
Creston	Maximum	85	88	92	90	92	93	95	81	89	87	84	81	82	94	95	95	94	95	77	72	68	68	71	79	82	83	87	85	87	85	....	85.2
	Minimum	57	50	55	60	50	51	52	65	66	60	69	66	67	51	65	67	67	65	60	41	43	36	35	37	37	42	48	50	61	63	....	54.5
Elkins	Maximum	75	77	81	80	82	85	85	70	81	80	76	72	77	83	85	85	83	87	67	68	58	57	59	69	74	74	78	76	82	80	....	76.2
	Minimum	54	50	51	52	49	51	55	63	61	58	62	54	51	67	63	65	62	59	48	42	37	32	34	36	37	39	43	47	64	60	....	51.5
Fairmont§	Maximum	84	85	89	86	89	92	92	79	85	89	83	80	84	90	93	90	89	93	72	72	65	67	67	75	82	81	85	85	89	92	....	83.5
	Minimum	53	52	52	60	48	53	56	63	65	59	65	55	56	61	67	68	58	63	56	45	46	36	35	40	39	40	46	51	60	61	....	53.6
Glenville	Maximum	86	87	91	92	92	92	94	92	90	88	86	87	86	94	94	94	92	93	92	74	71	68	73	79	82	84	86	85	90	....	....	86.7
	Minimum	53	52	56	60	50	49	55	65	62	61	67	55	55	65	66	69	65	63	60	41	45	38	37	39	40	42	46	47	60	....	....	54.0
Lost Creek	Maximum	82	84	88	87	88	90	92	80	86	87	84	83	80	90	92	90	90	90	75	72	65	64	70	78	80	82	85	83	87	85	....	83.0
	Minimum	49	45	47	56	41	46	53	61	60	57	66	50	51	61	61	65	58	60	58	36	41	30	32	34	33	34	40	45	59	58	....	49.6
Mannington	Maximum	79	78	83	82	82	84	86	77	82	82	79	76	78	86	87	85	83	88	71	69	60	61	64	69	72	74	77	80	82	79	....	77.8
	Minimum	49	49	47	58	44	48	54	65	63	59	68	52	54	62	62	66	55	60	58	40	42	34	33	35	36	37	44	47	58	60	....	51.3
Morgantown	Maximum	81	84	88	84	87	90	91	83	87	88	81	78	84	89	94	90	90	90	76	70	66	62	66	73	81	79	82	83	85	86	....	82.1
	Minimum	54	51	50	60	52	58	60	66	65	61	66	52	56	65	68	67	56	64	57	42	44	36	39	36	45	46	50	61	63	66	....	55.2
New Cumberland§	Maximum	79	78	88	84	83	86	88	82	82	85	78	79	84	89	92	87	90	84	70	70	68	62	66	75	78	81	84	81	84	....	....	80.6
	Minimum	52	50	50	47	44	49	54	57	63	54	56	54	55	64	64	67	55	50	53	43	36	38	41	39	33	42	45	52	53	61	....	50.7
New Martinsville	Maximum	82	86	89	86	86	91	93	85	89	88	83	81	77	92	94	89	92	92	82	74	68	65	69	85	79	82	86	85	88	84	....	84.1
	Minimum	57	50	50	60	50	51	54	71	70	58	65	55	54	63	63	66	58	61	56	40	38	35	37	38	37	43	45	49	59	65	....	53.
Parkersburg	Maximum	84	85	89	84	84	89	91	79	85	85	83	83	86	92	93	90	92	92	71	74	64	66	69	77	77	80	83	82	86	82	....	82.
	Minimum	56	53	57	64	56	55	55	67	64	65	65	58	60	69	68	71	62	68	52	45	44	39	39	42	47	52	55	57	67	67	....	57.
Parsons	Maximum	70	61	68	69	70	69	68	66	65	66	65	66	74	75	72	85	86	84	60	65	68	73	70	69	70	70	74	77	76	77	....	70.
	Minimum	49	51	51	53	52	50	53	52	50	52	50	52	53	54	53	55	56	54	38	33	33	34	33	34	35	40	46	53	54	53	....	47.
Philippi	Maximum	79	82	84	80	84	88	86	78	83	84	79	76	78	86	88	86	87	87	76	69	61	61	64	73	75	78	82	80	85	82	....	79.
	Minimum	50	53	55	59	49	61	64	64	60	61	65	53	54	65	67	67	60	65	56	40	45	31	38	38	43	46	50	57	63	62	....	54.
Pickens	Maximum	77	80	82	81	82	86	85	73	80	81	80	74	76	85	85	86	83	85	70	71	69	68	70	71	76	76	78	79	83	82	....	78.
	Minimum	46	46	48	52	44	50	49	55	52	51	49	45	46	60	57	61	56	56	46	33	28	28	33	34	32	37	42	46	56	58	....	46.
Terra Alta	Maximum	73	76	80	79	76	81	83	75	70	79	75	72	75	82	84	82	81	83	79	65	59	59	60	70	73	74	77	74	79	80	....	75.
	Minimum	46	41	41	52	43	44	53	59	60	53	63	44	45	45	64	63	51	55	52	34	42	29	30	30	30	31	36	47	54	51	....	46.
Wellsburg	Maximum	81	82	88	84	84	88	92	80	81	86	81	80	85	91	94	88	90	88	69	69	63	61	67	74	77	79	81	81	81	80	....	80.
	Minimum	49	51	42	56	45	46	50	61	62	58	65	50	53	63	61	65	54	59	5[illegible]	38	35	34	3[illegible]	34	36	36	45	46	59	65	....	50
Weston	Maximum	81	85	88	88	88	90	90	90	89	89	79	80	85	90	90	91	91	91	91	70	70	68	68	75	80	80	83	83	90	90	....	81.
	Minimum	51	51	55	52	50	52	55	60	58	58	62	65	55	62	64	68	54	68	56	42	46	36	35	40	50	51	51	56	64	68	....	54.
Wheeling§	Maximum	86	89	94	91	90	85	96	84	88	80	86	84	87	96	100	94	96	94	72	75	69	67	72	79	82	85	87	85	88	81	....	85.
	Minimum	49	50	50	52	49	49	54	55	63	60	53	52	53	63	63	65	55	58	54	42	35	37	37	38	40	44	44	48	52	56	....	50.
Southern Division																																	
Bluefield	Maximum	76	88	85	....	....	87	85	83	81	80	....	82	83	87	87	89	87	....	89	73	66	62	63	68	....	78	80	76	79	78	....	79
	Minimum	53	50	53	....	....	58	59	59	56	63	....	56	51	62	64	64	63	....	55	41	45	42	36	37	....	45	50	58	61	63	....	53
Charleston	Maximum	85	86	88	91	93	92	92	86	88	89	86	86	89	96	96	95	9[illegible]	94	81	75	67	69	74	80	80	84	89	86	90	87	....	8[illegible]
	Minimum	59	59	51	60	61	57	59	61	60	64	65	61	58	59	61	67	67	66	59	47	49	41	41	44	44	45	49	50	56	60	....	5[illegible]
Gary §	Maximum	81	85	88	87	87	87	88	73	84	86	83	80	85	89	88	90	89	92	65	75	63	64	65	75	78	80	83	83	85	82	....	81
	Minimum	57	54	56	61	61	59	60	61	61	62	63	61	56	57	64	63	64	62	63	49	47	39	37	37	38	46	49	50	52	55	....	5[illegible]
Huntington §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lewisburg	Maximum	77	79	80	80	79	81	83	78	78	80	78	76	80	85	84	86	83	86	77	69	63	60	60	69	69	73	76	75	79	78	....	7[illegible]
	Minimum	51	48	53	59	57	54	55	60	58	60	64	56	49	66	60	65	61	56	60	40	43	33	32	32	34	43	42	46	57	50	....	5[illegible]
Marlinton	Maximum	70	76	78	80	78	80	78	68	76	78	74	72	74	82	80	84	78	82	68	64	58	56	58	68	66	70	74	70	78	72	....	7[illegible]
	Minimum	48	48	46	52	54	54	54	56	58	58	58	54	48	60	58	62	58	52	52	38	36	30	28	30	32	38	42	44	56	46	....	4[illegible]
Point Pleasant	Maximum	85	85	92	86	88	90	92	82	85	85	85	83	90	95	98	100	100	99	89	76	70	65	70	78	80	80	96	82	88	86	....	8[illegible]
	Minimum	52	52	56	63	52	52	55	65	61	61	69	67	59	61	61	68	60	61	59	41	40	40	40	40	42	42	50	55	61	60	....	5[illegible]
Ravenswood	Maximum	82	85	91	85	85	89	92	91	86	86	83	84	87	94	93	94	90	92	91	74	72	66	70	76	78	80	84	82	86	82	....	8[illegible]
	Minimum	42	40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61	61	62	56	50	41	43	37	35	39	41	48	50	52	64	67	....	5[illegible]
Robertsburg§	Maximum	82	85	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70	80	82	82	86	83	88	86	....	[illegible]
	Minimum	52	54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	43	47	46	56	63	....	[illegible]
Ryan	Maximum	78	82	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	49	48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Spencer §	Maximum	....	....	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	....	....	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Sutton	Maximum	81	84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	50	52	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Union	Maximum	82	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	53	57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
White Sulphur Spgs§	Maximum	86	87	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	51	53	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Williamson §	Maximum	[illegible]	89	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Minimum	62	63	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 10/31/27—840)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXV PARKERSBURG, W. VA., OCTOBER, 1927 No. 10

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GENERAL SUMMARY

Like the preceding month, the weather for October was exceptionally pleasant and favorable for the ripening of corn and other late crops. At the close of August the prospect for a good corn crop was exceptionally unfavorable, but at the close of October corn was completely matured that crop was generally large. While freezing temperature and killing frost occurred in most regions on the 15th, the corn crop was not damaged. The highest temperature of October State record occurred at most stations at the beginning of the month. From the 20th to the clos of month the weather was sunshiny and averaged the warmest of October State record for the last decade in October, being the most delightful weather of the year. The season of fall growth was about ten days longer than usual. The average temperature for the month, 57°, was 2 1° above the average. The average rainfall, 4 13 inches, was 1.03 inches above the normal. The snowfall was normal and confined mostly to the highest altitudes of the State. The greatest monthly amount, 12.0 inches, was measured at Stony River Dam.

TEMPERATURE

The monthly mean for the State, determined from 51 stations, was 57.0°. The departure from the normal for 42 stations having ten or more years of record was +2.1°. The month opened exceptionally warm and the temperature continued above the normal until the 8th The last decade was also exceptionally warm for that period of the year. Moderately cold weather prevailed from the 13th to the 20th, with killing frosts in most sections of the State on the 15th, when the lowest temperatures of the month were noted. The highest temperatures occurred on the 1st and 2d.

PRECIPITATION

The average precipitation for the State, determined from 85 stations, was 4.13 inches. The departure from the normal for 58 stations having ten or more years of record was +1.03 inches. Rain was general on the 3d-4th, 7-8th, 12-13th, and from the 17th to the 20th, the greatest amounts being measured on the 3d-4th. 12-13th, and 18-19th. The rainfall was heaviest over the extreme eastern counties and lightest over the southern counties. Most of the snow fell from the 18th to the 20th. The greatest falls were as follows: Stony River Dam, 12.0 inches; Cortland, 7.5 inches; Davis, 6.5 inches; Pickens, 4.0 inches; Bayard, 2.0 inches.

MISCELLANEOUS PHENOMENA

Fogs, dense (dates and number of stations reporting): 1st, 3; 2d, 5; 5th, 14; 6th, 11; 7th, 1; 9th, 3; 10th, 10; 11th, 12; 12th, 1; 13th, 2; 15th, 12; 16th, 8; 20th, 2; 21st, 6; 22d, 4; 24th, 22; 25th, 12; 26th, 17; 27th, 15; 28th, 16; 29th 1; 30th, 8; 31st, 2.

Halo, solar: Bayard, 11th.

Haze light: Bayard, 1st, 2d, 24th, and 28th; Bens Run 29th and 30th; Terra Alta, 10th, 26th, and 29th.

Sleet: Smithfield, 12th.

Thunderstorms: Mannington, 31st; Parkersburg, 12th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity 8 a. m.	Mean relative humidity local noon	Mean relative humidity 8 p. m.	Sunshine Total hours	Sunshine Percentage of possible	Wind Total movement miles	Wind Average hourly velocity	Max. velocity Miles per hour	Max. velocity Direction	Max. velocity Date
Cincinnati, Ohio...	30 05	82	50	58	273.0	79	4,871	6.5	29	se.	11
Columbus, Ohio...	30.04	80	54	58	247.1	72	7,227	9.7	43	w.	12
Elkins	30 08	91	54	77	202 0	58	3,485	4.7	30	s.	12
Lexington, Ky.....	30 08	73	54	....	243.5	70	9,185	12 3	36	s.	11
Parkersburg.......	30.06	80	48	62	216.6	63	3,870	5.2	24	nw.	19
Pittsburgh, Pa.....	30.03	83	57	64	205.4	60	7,358	9.9	45	se.	12
Wytheville, Va....	30.05	84	52	66	225.0	65	4,017	5.4	28	sw.	12

COMPARATIVE DATA FOR OCTOBER

Year	Temperature Mean	Temperature Highest	Temperature Lowest	Precipitation Average	Precipitation Greatest	Precipitation Least	Snowfall (in inches)	Number of days With precip. .01 inch or more	Number of days Clear	Number of days Partly Cloudy	Number of days Cloudy
1891..............	51.5	95	21	1.97	2.91	T.	......	7			
1892..............	52.6	89	24	0.83	1.45	0.21	......	4	......	......	......
1893..............	54.1	86	16	4.74	7.22	1.00	......	5	21	6	4
1894..............	54.4	88	22	2.32	3.85	1.17	T.	7	16	8	7
1895..............	48.1	89	8	1.29	2.25	0.16	T.	5	22	5	4
1896..............	51.0	82	20	2.08	4.37	0.45	T.	7	14	9	8
1897..............	58 2	95	22	0.53	2.27	0.07	0	3	18	7	6
1898..............	55.6	95	19	4.84	8.50	2.48	T.	11	11	10	10
1899..............	56.8	91	19	1.42	3.81	0.23	0	5	15	7	9
1900..............	60.9	97	24	2.33	4.80	1.15	0	5	16	8	7
1901..............	54.3	86	19	0.54	1.95	0.12	0	3	19	6	6
1902..............	56.5	87	17	2.63	5.50	0.90	T.	6	16	8	7
1903..............	54.2	96	15	2.55	4.75	0.80	T.	6	17	7	7
1904..............	54.5	92	16	1.59	3.02	0.37	T.	5	18	8	5
1905..............	54.2	95	19	4.71	8.26	2.46	T.	6	13	8	10
1906..............	54.5	86	12	3.09	8.15	1.64	1.3	12	11	6	14
1907..............	50.3	87	19	2.65	5.12	0.54	0.1	7	15	9	7
1908..............	55.1	91	16	1.60	6.88	0.33	T.	5	18	7	6
1909..............	50.0	88	14	2.79	5.27	0.60	0.1	7	16	7	8
1910..............	58.1	95	15	1.85	2.96	0.80	0.7	6	18	7	6
1911..............	56.3	88	23	5.28	9.65	3.27	0	11	12	7	12
1912..............	55.5	93	20	1.34	3.10	0.20	T.	4	18	7	6
1913..............	54.5	92	12	4.50	8.11	1.78	0.3	11	12	6	13
1914..............	57.3	91	14	2.94	6.72	1.37	T.	9	12	8	11
1915..............	56.6	89	20	4.11	5.55	0.74	T.	6	17	7	7
1916..............	54.1	97	16	2.38	4.35	0.91	T.	7	19	5	7
1917..............	49.2	89	16	4.35	6.49	1.18	5.5	10	15	6	10
1918..............	58.2	89	24	3.68	7.53	1.59	T.	8	15	7	9
1919..............	62.3	102	28	5.84	11.88	2.13	0	14	9	7	15
1920..............	57.5	90	21	1.15	2.53	0.10	0.1	4	22	4	5
1921..............	53.7	88	21	2.48	5.76	0.30	0.1	8	18	5	8
1922..............	55.4	93	18	2.45	4.81	0.39	T.	6	19	5	7
1923..............	52.1	93	12	1.39	2.41	0.65	T.	6	19	5	7
1924..............	54.6	87	14	0.40	1.28	0.00	T.	2	23	4	4
1925..............	49.3	86	14	7.30	13.08	2.19	4.3	16	5	7	19
1926..............	54.9	92	20	4.79	8.74	1.04	0.3	12	10	8	13
1927..............	57.0	100	21	4.13	11.10	1.14	0.4	8	19	4	8
1891-1927..........	54.7	102	8	2.83	13.08	0.00	0.4	7	16	7	8

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., October, 1927

See temperature and precipitation data in Climatological Tables, Pages 38, 39, and 40

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Clarksburg	Evaporation..............	.144	.151	.197	.186	.188	.118	.108	.072	.050	.123	.067	.139	.083	.085	.055	.067
	Wind movement..........	37	17	21	54	59	18	26	51	4	86	27	11	99	100	36	23

Station		17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation..............	.120	.087	.005	.023	.078	.144	.181	.177	.091	.074	.057	.048	.083	.056	.067	3.124
	Wind movement..........	72	105	80	113	72	61	71	62	25	23	8	14	17	19	24	1,435

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for October, 1927

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.: Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation, in inches: Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	No. of days: Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Panhandle Division																				
Bayard	Grant	2,375	26	52.6	+ 3.8	91	2	21	26	53	7.50	+4.05	1.84	2.0	9	17	4	10	w.	U. G. Clark
Brandywine	Pendleton	1,586	11	54.0	+ 0.6	91	1	25	15	50	3.95	+2.03	2.40	0	6	22	0	9	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	38	......	......	......	......	......	......	......	11.10	+8.41	4.80	0	10	......	......	......	......	J. C. Newcomer
Inwood	Berkeley	569	5	57.4^{i}	......	95^{i}	1	32	16	......	6.33	......	2.39	0	9	......	......	......	se.	L. E. Dills
Martinsburg	Berkeley	435	35	56.0^{a}	+ 1.4	98^{a}	1	30	15†	46^{a}	8.20	+5.64	3.00	0	11	24	2	5	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	31	60.4	+ 4.8	100	1	27	26	47	6.05	+3.87	1.40	0	8	25	1	5	......	M. S. Henkel
Piedmont	Mineral	1,053	14	56.2	+ 2.7	93	1	31	15	46	5.73	+2.93	2.23	0	7	21	1	9	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	29	57.3^{a}	+ 2.1	98^{a}	1	29	15	52^{a}	4.93	+2.55	1.50	0	7	18	4	9	......	George E. Bergdoll
Stony River Dam	Grant	3,300	7	......	......	......	......	......	......	......	3.38	......	1.66	12.0	8	12	7	12	w.	A. C. Becker
Upper Tract	Pendleton	1,230	28	56.7^{c}	+ 1.2	91^{c}	1	31^{c}	26	46^{c}	4.85	+2.85	2.05	0	5	21	0	10	......	J. M. Mallow
Wardensville	Hardy	1,200	9	56.4^{a}	......	99^{a}	1	25	15†	59^{a}	7.02	......	1.95	T.	10	19	5	7	......	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	3	......	......	......	......	......	......	......	4.12	......	1.17	0	11	17	5	9	w.	L. Else Bond
Alma (near)	Tyler	......	0	......	......	......	......	......	......	......	5.06	......	1.75	0	8	19	6	6	......	D. N. Furbee
Bens Run	Pleasants	652	25	59.8	+ 3.1	92	1†	38	15†	42	3.31	+0.20	1.13	0	7	20	3	8	......	J. D. Riggs
Benson	Harrison	1,080	4	55.2^{g}	......	......	......	28	22	48^{g}	4.30	......	1.08	0	9	18	6	7	......	R. D. Marts
Brownsville	Lewis	1,032	4	58.6	......	92	1†	30	22	47	5.00	......	1.35	0	11	20	5	6	......	George M. Myers
Bruceton Mills	Preston	1,549	7	......	......	......	......	......	......	......	5.30	+1.52	1.68	T.	6	13	8	10	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	30	55.8	+ 2.4	84	2	32	15†	37	4.89	+1.43	1.20	0	8	21	2	8	......	H. A. Darnall
Clarksburg	Harrison	1,015	5	57.2	......	94	1	31	22	45	4.25	......	1.58	0	9	19	3	9	w.	Clarksburg Water Board
Cortland	Tucker	3,300	16	......	......	......	......	......	......	......	3.47	+0.11	1.25	7.5	7	14	10	7	......	G. W. Harmon
Crawford	Lewis	1,107	4	......	......	......	......	......	......	......	4.31	......	0.83	0	9	18	6	7	w.	George W. Blair
Creston	Wirt	640	25	59.4	+ 3.6	94	1	31	22	48	4.07	+1.06	1.34	0	7	21	0	10	se.	J. M. Reed
Dam 10 Mon. R.	Marion	826	6	......	......	......	......	......	......	......	5.42	......	1.70	0	8	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	11	......	......	......	......	......	......	......	3.27	+0.07	1.49	0	7	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	665	11	......	......	......	......	......	......	......	3.30	+0.24	1.40	0	7	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	6	......	......	......	......	......	......	......	4.91	......	1.34	0	8	......	......	......	......	Lockmaster
Davis	Tucker	3,093	18	......	......	......	......	......	......	......	5.24	+1.09	1.70	6.5	10	18	4		w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	15	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	26	54.4	+ 2.1	87	2	30	15	45	4.56	+2.14	1.14	T.	10	13	8	10	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	2	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Claude A. Cunningham
Fairmont	Marion	883	21	57.9	+ 3.0	93	2	32	15	44	4.61	+1.75	1.46	0	6	19	2	10	w.	J. C. Robinson
Glenville	Gilmer	738	33	60.1	+ 4.1	95	1	31	22	50	4.06	+1.01	1.27	0	8	21	4	6	w.	Howard R. Brannon
Grafton	Taylor	1,000	34	58.7	+ 3.1	93	1	31	15†	46	3.75	+0.61	0.80	0	7	21	0	10	e.	T. D. Smith
Horner	Lewis	1,044	4	......	......	......	......	......	......	......	5.13	......	1.25	0	6	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	2	......	......	......	......	......	......	......	6.00	......	1.40	T.	9	21	0	10	w.	J. W. White
Janelew (near)	Lewis	1,020	4	57.8	......	92	1	30	15†	48	4.80	......	1.80	0	5	22	1	8	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	29	56.0^{f}	+ 1.2	94	1	30^{f}	16†	50^{f}	4.52	+1.79	1.80	0	8	20	1	10	w.	Allen Smith
Mannington	Marion	985	24	55.1	+ 0.6	85	1	29	22	44	5.10	+2.16	1.14	0	11	20	3	8	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	34	58.4	+ 2.9	92	2	32	15	38	4.00	+0.86	1.13	0	6	9	10	12	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	29	55.2^{a}	+ 0.7	89^{a}	1	29	17	42^{a}	3.01	+0.23	1.00	0	9	17	1	13	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	33	58.4	+ 1.3	92	2	31	22	48	4.40	+1.52	1.20	0	7	19	2	10	s.	Wm. Ankrom
Parkersburg	Wood	638	40	60.0	+ 3.9	91	1	36	15	40	1.99	−0.45	0.87	0	7	19	2	10	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	27	57.4	+ 4.4	86	2	31	13†	39	4.79	+1.91	1.30	T.	6	24	2	5	......	J. W. Swisher
Parsons No. 2	Tucker		1	......	......	......	......	......	......	......	5.09	+2.21	1.32	T.	11	20	1	10	......	Robert T. Deem
Philippi	Barbour	1,550	30	57.2^{c}	+ 2.7	90	1	31^{c}	15	43^{c}	4.57	+1.69	1.61	0	11	18	2	11	w.	Prof Elwyn F. Chase
Pickens	Randolph	2,697	24	53.8	+ 1.4	89	2	24	15	44	5.73	+1.66	1.27	4.0	8	20	4	7	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	4	......	......	......	......	......	......	......	4.61	......	1.21	0	9	23	1	7	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	40	......	......	......	......	......	......	......	4.80	+1.77	1.27	T.	9	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	18	......	......	......	......	......	......	......	3.60	+0.20	1.30	0	8	......	......	......	......	Wm. Hughes
Smithfield	Wetzel	850	21	57.3	+ 3.7	88	5	33	29	49	2.04	−1.39	0.73	0	6	14	11	6	......	Everett V. Price
Terra Alta	Preston	2,559	26	52.4	+ 0.5	85	2	26	15	45	6.05	+2.43	1.23	1.2	13	16	5	10	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	4	58.8	......	92	2	31	22	47	4.75	......	1.80	0	7	21	1	9	w.	J. C. Campbell
Vandalia	Lewis	1,120	4	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Creed H. McCue
Wellsburg	Brooke	668	26	54.4	+ 0.3	88	1†	29	17	46	3.54	+0.63	1.18	0	7	21	1	9	......	George P. Pfister
West Milford	Harrison	979	2	......	......	......	......	......	......	......	4.78	......	1.65	0	6	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	32	59.5	+ 4.0	91	1†	29	23	46	4.95	+1.84	1.70	0	6	12	13	6	......	Weston State Hospital
Wheeling	Ohio	645	40	56.8	+ 1.9	96	1†	30	17†	51	3.10	+0.54	1.20	0	8	20	5	6	w.	Miss M. B. Forsyth
Woodlands	Marshall	......	......	......	......	......	......	......	......	......	3.79	......	1.38	0	8	20	7	4	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	......	......	......	......	......	......	......	......	3.72	......	2.00	0	7	19	5	7	w.	H. S. Sutton
Bancroft	Putnam	574	23	58.6	+ 1.2	90	1†	33	15†	45	2.76	−0.42	1.03	0	7	21	0	10	ne.	R. E. Dent
Bluefield	Mercer	2,558	32	57.8^{e}	+ 1.7	85^{e}	6	29^{e}	15	35^{c}	2.11	−0.77	0.82	0	8	16^{d}	5^{d}	6^{d}	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	12	......	......	......	......	......	......	......	4.95	+2.01	1.20	0	5	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	24	60.1	+ 0.8	94	2	35	22	48	3.01	+0.24	0.98	0	9	23	0	8	......	R. O. Fields
Clay	Clay	706	13	......	......	......	......	......	......	......	4.07	+0.80	1.19	0	9	......	......	......	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	......	......	......	......	......	......	......	......	3.45	......	1.00	0	5	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	11	......	......	......	......	......	......	......	1.96	−1.51	0.92	0	9	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	11	......	......	......	......	......	......	......	2.32	−1.27	1.02	0	9	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	11	......	......	......	......	......	......	......	1.14	−2.23	0.65	0	5	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	11	57.8	......	91	1	32	15†	48	1.78	−1.89	0.73	0	8	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	30	58.2	+ 1.6	92	1	35	15	42	1.93	−0.63	0.67	0	7	10	4	17	......	Mrs. M. L. McClung
Huntington	Cabell	538	31	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	L. H. Hutchinson
Kanawha Falls	Fayette	618	8	......	......	......	......	......	......	......	3.30	......	1.48	0	4	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	11	......	......	......	......	......	......	......	4.35	+0.90	1.65	T.	9	......	......	......	......	Cabin Creek Con. Coal Co
Kermit	Mingo	579	1	......	......	......	......	......	......	......	2.61	......	1.00	0	4	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	27	54.8	− 1.4	84	1	27	15	44	3.18	+0.33	1.73	0	7	20	5	6	nw.	Geo. T. Argabrite
Logan	Logan	700	24	......	......	......	......	......	......	......	3.31	+0.56	1.60	0	5	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	28	50.7	+ 0.4	76	6	26	15†	40	4.28	+1.29	1.86	0	7	13	12	6	sw.	S. L. Brown
Organ Cave	Greenbrier	......	1	......	......	......	......	......	......	......	3.03	......	1.08	0	9	23	0	8	w.	J. J. Hedrick
Point Pleasant	Mason	595	34	57.8	+ 0.2	90	1†	30	15†	50	2.47	−0.12	0.97	0	7	18	1	12	nw.	Miss Grace E. Henson
Powellton	Fayette	904	33	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	12	57.4	......	89	1	29	10	55	2.34	......	0.90	0	6	20	0	11	nw	Lockmaster
Robertsburg	Putnam	570	27	57.8	+ 1.9	93	1†	30	15	49	2.70	−0.08	1.18	0	7	24	0	7	......	M. Frazier
Ryan	Roane	700	24	55.2	+ 0.4	92	1	27	15†	52	3.90	+0.45	1.31	0	7	19	4	8	......	Wm. E. Ryan
Sharples	Logan	......	7	......	......	......	......	......	......	......	3.07	......	0.90	0	6	......	......	......	......	R. W. Howard
Sissonville	Kanawha	625	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. N. Johnson
Spencer	Roane	789	23	57.7	+ 2.5	92	1	29	15	47	2.70	−0.51	1.32	0	5	19	3	9	......	A. M. McKown
Summersville	Nicholas	1,894	3	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. O. Mc Million
Sutton	Braxton	850	21	57.8	0	92	1†	33	22	42	4.55	+1.46	1.15	0	6	25	0	6	......	C. B. Eakle
Union	Monroe	2,250	23	57.2^{e}	+ 3.1	89^{e}	2	29^{e}	15	44^{f}	2.36	−0.48	1.24	0	9	18^{e}	1^{e}	7^{e}	......	W. M. H. Young
Wayne	Wayne	598	......	......	......	......	......	......	......	......	2.01	......	0.95	0	8	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	17	56.2^{a}	+ 3.5	88^{a}	5	27	14	53^{a}	3.70	+0.88	1.20	0	10	26	1	4	......	H. E. Green
Williamson	Mingo	673	27	61.6	+ 3.1	93	1†	42	19†	35	2.64	−0.12	0.72	0	5	24	0	7	sw.	A. J. Maynard
State averages and extremes				57.0	+ 2.1	100	1	21	26	59	4.13	+1.03	4.80	0.4	8	19	4	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means.

† Also on other dates. †† Received too late to be included in means and summaries

Reference letters ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for October, 1927

Stations	Drainage basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard	Potomac				1.19			T.	.26	.14				1.61	.23				1.14	1.03	1.19	.71											7.50
Brandywine	do			*	2.40					.40								*	*	1.15													3.95
Burlington	do																																
Harpers Ferry |||	do				4.80				.16	.10	.08		.01	1.18				.19	2.31	1.76	.48												11.07
Inwood	do				2.39				.13	.21	.01			1.16				.22	.84	1.11	.20												6.27
Martinsburg |||	do				3.00			.25	.10	.10	.08		.10	1.30				.25	1.30	1.25	.47												6.95
Moorefield	do			1.05	.70					.30			1.40					.18	1.55	.81	.26												6.25
Piedmont	do			1.22					.03				1.60	.06			T.	.25	2.23	.34													5.73
Romney |||	do			1.45				.20	.10			.09	1.50				.15	1.13															[illegible]
Stony River Dam	do												.05	1.66	.05			.08	.20	.36	.92	.06											3.38
Upper Tract	do				2.05					.20			1.90					T.	.10		.60												4.85
Wardensville |||	do			*	1.65					.04	.28		T.	1.95				.19	1.49	1.20	.12	.10											7.02
Northern Division																																	
Aberdeen	Monongahela			.35	.31				.48	.05			.61	.08	.03			.03	.57	1.17	.44												4.12
Alma (near)	Ohio			1.75	.02			.05	.18				1.17	.09					1.20	.60													5.06
Bens Run	do			.51	.02			.10					1.13	.03					.84	.68													3.31
Benson	Monongahela			1.08	.23			.06	.32				.88	.07					.57	.91	.18												4.30
Brownsville	do			1.35	.42			.02	.46	.08			.78	.13	.02				.50	.75	.49												5.00
Bruceton Mills	do							T.	.27				1.32	.05	T.				1.68	1.31	.67												5.30
Buckhannon	do			.54					.75	.10			.75	.15				T.	.80	1.20	.60												4.89
Cairo	Little Kanawha																																
Clarksburg |||	Monongahela				1.58				.26				.05	.75	.04			.02	.13	1.03	.39												4.25
Cortland |||	do			.55				.30					1.25						.75	.22	.15	.25											3.47
Crawford	Little Kanawha			.67				.04	.64	.05			.82	.10					.72	.83	.44												4.31
Creston |||	Monongahela			.10	1.24				.34				.12	.82					.19	1.26													4.07
Dam 10, Mon. R. |||	Ohio				.99				.40					.62	.05	.04			.42	1.70	1.20												5.42
Dam 12, O. R. |||	do				.37				.26				T.	.67	.03				.29	1.49	.16												3.27
Dam 13, O R |||	Monongahela				.51								.12	.75	.04				.30	1.40	.18												3.30
Dam 15, Mon. R. |||	do				1.54				.35				.02	.86	.08				.31	1.27	.68												4.91
Davis	do				.97				.32	.07			.05	1.70	.09			T.	.33	.79	.88	.04											5.24
Elizabeth (D'm 3 L K)	Little Kanawha			.10	.18								.30	.77	.05				.22	1.24	.05												2.91
Elkins ***	Monongahela			.50				.20	.21	.10			1.12	.04			T.	.29	.79	.99	.32										T.		4.56
Evenwood	do																																
Fairmont |||	do				1.46				.28					.82	.06					1.36	.63												4.61
Glenville |||	Little Kanawha			.06	.85				.38				1.08	.10					.20	1.27	.12												4.06
Grafton |||	Monongahela			.20	.50			T.	.25				.80						.50	.73	.77												3.75
Horner	do			.71									1.12	.30					1.25	.75	1.00												5.13
Horton	do			.52					.22	.18			1.40	.08				.80	.85	.67	1.28												6.00
Janelew (near)	do			1.80					.45				.70						.65	1.20													4.80
Lost Creek	do			1.80				.09	.11				.83	.05	T.				.62	.84	.18												4.52
Mannington	do			.97	.08			.01	.39				1.13	.17	.01			.01	.79	1.14	.40												5.10
Morgantown	do			.96	T.			T.	.35				.56	.10	T.				1.13		.90												4.00
New Cumberland |||	Ohio				.33				.40				.12	.88	.04				.25	.75	.22	.02											3.01
New Martinsville	do			1.10				.10	.10				.90	.20					1.20	.80													4.40
Parkersburg ***	do			.21				.19	.03				.87	.02					.63	.04													1.99
Parsons	Monongahela			.70					.62				1.23				.24	1.30	.70												T.		4.79
Parsons No. 2	do				.72				.51	.05			.03	1.12	.07			.01	.49	1.32	.76	.01											5.09
Philippi	do			.54	.02			.09	.39	.09			.89	.13	.02			.02	.74	1.64	T.												4.57
Pickens	do				.61					1.10			.79	.10				.11	.77	1.27	.98												5.73
Roanoke	do			1.16	.05			T.	.50	.09			.76	.11					.55	.88	.51												4.61
Rowlesburg |||	do				.71				.29				.09	.90	.10				.50	1.27	.90	.04											4.80
Saint Marys |||	Ohio			T.	.50				.35				.10	.86	.05				.33	1.30	.11	T.											3.60
Smithfield |||	Fishing Creek				.27								.19	.53					.21	.73	.11												2.04
Terra Alta	Monongahela			.72	.05			.02	.25	.04			1.20	.08	.06		T.	.15	1.02	1.23	1.20	.03											6.05
Valley Chapel	do			1.80				.10	.30				.92						.55	.78	.30												4.75
Vandalia	do																	1.02	.51	.39		.53											+++
Wellsburg	Ohio			.38	.07			T.	.32				.88	T.	T.				1.18	.61	.10												3.54
West Milford	Monongahela			1.65					.35					1.00					.75	.80	.23												4.78
Weston	do			1.70									1.20	.25				.50	.75	.55													4.95
Wheeling |||	Ohio				.38				.32				.06	.67	.02				.25	1.20	.20												3.10
Woodlands |||	do				.60				.16			.11	.88	.02					.48	1.38	.16												3.79
Southern Division																																	
rbovale	Great Kanawha			.90				.30	.23				2.00					.07		.10	.12												3.72
ancroft |||	do			.25	.15				.50				.05	1.03					.05	.73													2.76
eckley	do																																
luefield	do			.25					.23		.06		.82					.05	.21	.45	.04												2.11
amden-on-Gauley |||	do								.84					.81					1.20	1.00	1.10												4.95
harleston |||	do			.04	.60				.98	.04				.04	.58				.06	.65	.02												3.01
lay |||	do			.04	1.19				.64				.06	.62	.02			T.	.32	1.05	.13												4.07
am 6 G. K. |||	do				.95				.72					1.00				.03		.75													3.45
am 19 O. R. |||	Ohio				.01			.01	.28				.04	.92	.02				.16	.50	.02												1.96
am 20 O. R. |||	do				.02			.05	.25				.05	1.02	.08				.20	.62	.03												2.32
am 26 O. R |||	do												.05	.65	.04				.05	.35													1.14
ary |||	Big Sandy				.16	.01			.02	.32			.05	.47						.73		.02											1.78
inton |||	do			T.	.43				.12	.20			.04	.67						.27	.20												1.93
untington |||	Ohio																																
anawha Falls |||	Great Kanawha				1.25				.50										.07	1.48													3.30
ayford |||	do				1.10				.78	.02			.06	.54	.05				.10	1.65	.05												4.35
ermit |||	Big Sandy			.10					1.00					.95						.56													2.61
ewisburg	Great Kanawha			.70					.11	.40			1.73					.07	.03	T.	.14												3.18
gan |||	Guyandotte				.31				.78				T.	.52					.10	1.60													3.31
arlinton	Great Kanawha			1.10					.69	.11			1.86					.26	T.	.14	.12												4.28
gan Cave	do			1.08				.15	.10			.90				.15	.20	.10	.15	.20													3.03
int Pleasant |||	Ohio	.15						T.	.40				.05	.97	.08				.02	.80													2.47
welton	Great Kanawha			1.00	.30			.80				1.40							1.10	.70													5.30
venswood (Dam 22	Ohio				.05				.38					.90	.08				.08	.85													2.34
bertsburg |||	Great Kanawha			.08	.30				.54				.02	1.18					.13	.45													2.70
an	do			1.04				.07	.20				1.31	.01					.72	.55													3.90
arples |||	Coal River				.32				.56					.52	.05			.72	.90														3.07
sonville |||	Great Kanawha																																
ncer |||	do				1.32				.36					.10				.10	.82	T.													2.70
nmersville	Gauley																																
ton	do			1.10					.75				.80	.20					.55	1.15													4.55
ion	do			.55	.05				.12				1.24	.05				.10	.06	.14	.05												2.36
yne |||	Big Sandy			.07	.10				.24				.02	.95	.02				.07	.54													2.01
ite Sulpr. Spgs |||	Great Kanawha		.50	.55				.08	.30	.70		.10	1.20					.12	.10	.05													3.70
liamson |||	Big Sandy				.70				.58				T.	.72					.04	.60													2.64

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete.

Daily Temperatures for October, 1927

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	88	91	88	66	74	79	81	73	73	62	73	70	56	46	66	67	61	41	38	52	56	67	73	73	68	74	77	74	74	68	76	68.5
	Minimum	47	46	43	55	30	36	33	46	49	30	28	51	33	36	22	24	38	30	31	36	41	38	52	36	30	21	35	36	37	34	33	36.7
Brandywine	Maximum	91	84	72	74	80	85	84	74	75	72	65	60	62	55	52	60	60	52	52	57	68	70	75	78	60	70	68	67	72	69	72	68.9
	Minimum	60	58	52	54	40	35	44	38	39	32	40	42	35	38	25	28	41	39	34	40	38	32	42	43	35	29	34	31	36	39	40	39.1
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Inwood	Maximum	95	90	73	77	75	82	84	63	65	70	73	68	64	57	62	70	48	48	55	....	....	....	....	....	....	....	....	....	....	....	....	69.4
	Minimum	58	58	59	63	43	46	56	58	45	40	45	49	42	41	33	32	47	42	44	46	52	41	47	42	46	34	34	37	44	43	45	45.5
Martinsburg§	Maximum	98	92	75	78	83	85	65	70	67	70	75	70	66	60	65	70	49	49	55	63	63	74	85	79	69	73	76	78	78	70	....	71.7
	Minimum	55	54	54	58	40	44	49	42	42	33	34	38	38	40	30	30	32	39	41	43	49	37	44	38	39	30	32	32	37	40	37	40.4
Moorfield	Maximum	100	97	91	79	83	90	92	84	68	76	79	72	66	59	66	74	70	60	50	62	67	79	86	80	75	72	76	79	85	87	78	76.8
	Minimum	56	56	56	58	41	45	53	59	58	47	39	59	39	41	29	35	46	33	30	46	57	38	51	43	29	27	35	32	42	40	44	44.0
Piedmont	Maximum	93	91	73	72	75	85	83	68	67	69	73	68	58	53	60	70	54	44	43	60	60	72	76	80	73	70	74	78	82	64	68	69.7
	Minimum	55	57	55	57	40	43	42	55	45	36	38	50	41	43	31	32	42	34	34	43	50	41	44	43	37	32	36	36	46	42	40	42.6
Romney	Maximum	98	93	75	77	80	87	73	63	65	72	75	60	57	57	62	70	48	45	59	62	75	84	84	76	67	75	84	82	74	69	....	71.6
	Minimum	57	56	56	62	40	44	49	57	44	37	35	40	38	43	29	33	44	36	39	44	50	43	56	44	36	30	32	32	44	41	41	43.0
Upper Tract	Maximum	91	90	87	80	78	84	76	65	64	65	69	68	68	66	55	....	....	56	56	55	58	60	63	75	74	74	76	80	....	76	75	70.9
	Minimum	56	57	54	55	38	46	55	47	46	46	40	38	38	38	41	....	....	35	35	34	40	45	42	40	38	31	32	34	....	41	47	42.5
Northern Division																																	
Bens Run	Maximum	92	92	76	73	82	87	79	66	69	70	80	65	57	53	66	58	55	50	58	70	63	74	81	75	71	75	75	81	82	83	82	72.3
	Minimum	60	61	66	60	46	56	63	53	45	44	41	56	45	44	38	39	39	39	44	45	42	38	55	42	42	38	38	39	44	49	52	47.3
Buckhannon	Maximum	82	84	72	68	72	75	75	65	60	63	72	74	62	50	58	64	58	58	48	58	59	66	75	68	68	70	72	71	76	69	74	67.3
	Minimum	57	57	62	50	40	55	53	54	48	42	38	54	42	43	32	34	45	48	39	41	40	32	52	42	40	35	35	35	44	43	45	44.4
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Clarksburg §	Maximum	94	92	72	70	81	84	80	59	66	69	79	76	53	52	66	67	55	46	67	66	60	72	79	72	70	78	76	79	79	84	81	71.7
	Minimum	56	57	55	60	43	44	52	54	45	41	39	41	42	43	34	32	39	38	38	42	37	31	49	41	37	33	37	34	38	44	44	42.6
Creston	Maximum	94	91	78	78	84	87	78	67	71	73	79	72	72	64	68	67	62	58	48	68	69	75	83	80	78	79	82	82	83	85	82	75.4
	Minimum	57	56	59	56	41	48	58	55	46	40	39	40	44	46	32	33	34	39	42	44	36	31	46	41	37	43	34	35	40	44	49	43.4
Elkins	Maximum	86	87	69	66	77	80	75	62	59	63	72	71	48	46	62	66	50	39	42	58	55	71	76	69	71	76	78	76	76	77	77	67.1
	Minimum	55	56	59	44	39	43	49	52	40	40	37	47	40	35	30	31	38	33	33	42	43	37	54	43	37	31	34	34	40	43	54	41.7
Fairmont§	Maximum	92	93	71	73	82	88	80	60	67	70	82	73	59	51	67	65	61	46	49	63	60	72	80	75	76	78	79	80	82	82	75	72.0
	Minimum	59	60	59	59	45	46	52	54	46	42	40	42	43	43	32	34	41	39	39	43	42	34	39	43	39	34	35	36	39	48	50	43.8
Glenville	Maximum	95	93	92	76	85	87	78	78	70	73	81	70	74	67	70	66	67	60	47	76	67	77	84	78	78	81	83	85	85	88	86	77.3
	Minimum	57	56	57	59	43	47	54	50	48	40	40	45	46	39	35	34	45	39	42	42	36	31	42	38	39	32	36	35	39	42	42	42.9
Lost Creek	Maximum	94	92	90	72	83	86	77	65	66	68	79	72	60	53	67	66	57	50	43	65	60	72	79	76	72	77	79	81	78	83	79	72.3
	Minimum	54	60	....	....	....	....	....	....	38	38	33	51	41	40	32	30	41	37	40	40	36	32	54	39	35	30	33	31	40	42	43	39.6
Mannington	Maximum	85	84	76	68	73	81	76	68	62	64	74	74	61	51	59	61	55	50	48	64	60	70	77	70	69	72	74	76	76	76	77	68.7
	Minimum	54	56	53	60	40	42	52	52	44	38	37	48	41	43	31	32	41	35	43	45	35	29	43	40	33	31	32	32	40	44	44	41.5
Morgantown	Maximum	91	92	80	68	78	84	75	67	64	63	78	76	63	52	63	64	56	50	45	61	58	68	78	71	67	76	76	79	77	79	77	70.2
	Minimum	61	64	64	58	42	53	62	50	43	44	46	57	43	42	32	38	36	36	40	42	42	38	56	41	38	38	41	41	53	46	56	46.5
New Cumberland§	Maximum	89	88	77	69	76	85	78	61	66	65	78	65	52	54	58	62	54	48	52	65	55	74	74	71	69	68	70	80	70	75	....	68.3
	Minimum	60	53	62	56	44	44	48	50	41	41	41	42	47	43	34	34	29	35	44	43	46	34	40	37	37	34	35	38	38	35	40	42.1
New Martinsville	Maximum	91	92	85	75	81	87	80	67	69	69	80	71	62	78	65	66	56	51	48	68	63	74	82	76	73	79	81	82	82	83	82	74.3
	Minimum	56	58	56	57	42	44	58	50	41	38	39	55	42	42	33	32	31	36	40	41	35	31	43	39	38	33	34	34	40	45	49	42.4
Parkersburg	Maximum	91	88	73	73	79	87	77	62	68	70	78	69	54	54	64	59	54	47	54	69	62	77	82	76	72	77	78	80	82	81	30	71.5
	Minimum	64	68	64	52	45	57	62	55	48	44	44	52	46	44	36	39	39	41	42	47	48	38	59	45	47	38	39	40	47	52	59	48.4
Parsons	Maximum	76	86	70	68	70	73	73	68	70	75	73	70	60	64	69	70	70	62	69	70	71	73	79	70	70	69	70	70	73	75	70	70.8
	Minimum	54	56	57	53	42	46	48	44	45	43	46	50	31	36	38	49	49	41	44	40	43	40	42	31	32	43	48	48	42	40	40	44.0
Philippi	Maximum	90	89	76	69	80	83	77	63	63	66	77	72	57	49	63	64	66	45	45	61	57	70	78	74	71	76	76	78	77	81	79	70.1
	Minimum	61	61	....	57	....	40	57	50	44	....	46	56	42	39	31	35	42	35	36	39	45	37	42	43	39	39	41	41	43	44	55	44.3
Pickens	Maximum	84	89	88	69	79	82	75	65	65	67	73	69	52	59	65	70	61	45	38	51	55	69	75	68	72	73	78	76	76	78	77	69.1
	Minimum	56	54	51	58	35	47	40	45	40	34	35	46	35	33	24	33	30	29	29	29	28	27	44	37	35	35	36	35	41	43	48	38.5
Terra Alta	Maximum	85	86	80	64	74	81	73	63	59	62	72	66	58	44	61	62	50	38	40	55	53	64	73	68	68	73	75	77	75	68	75	65.9
	Minimum	50	50	49	55	32	35	46	48	42	34	34	53	39	37	26	29	37	32	33	36	42	39	54	42	32	28	30	34	38	37	37	39.0
Wellsburg	Maximum	88	88	76	68	75	83	75	68	65	62	75	66	59	53	60	52	54	50	49	65	61	72	74	71	65	71	71	78	72	73	76	68.2
	Minimum	55	56	54	58	38	44	54	50	36	37	35	49	43	43	30	32	29	40	43	45	36	30	42	34	35	31	32	32	40	38	42	40.7
Weston	Maximum	91	91	90	70	81	83	80	65	68	69	70	70	70	60	65	68	68	60	55	60	62	70	75	79	79	78	78	81	81	82	84	73.6
	Minimum	62	65	60	59	42	59	50	50	50	48	49	52	54	40	42	40	42	41	41	40	42	38	29	39	42	36	34	36	39	42	44	45.4
Wheeling§	Maximum	96	96	70	76	82	90	78	66	72	68	82	66	57	56	68	52	60	48	51	70	64	76	80	77	74	67	80	86	88	80	84	72.9
	Minimum	56	58	54	55	42	43	48	50	39	38	39	41	47	40	33	39	30	30	41	41	36	32	36	35	36	30	34	35	37	43	43	40.7
Southern Division																																	
Bluefield	Maximum	84	....	83	72	77	85	81	78	....	70	72	69	63	55	57	....	69	45	41	69	64	71	....	77	70	75	76	77	77	....	75	70.5
	Minimum	62	....	59	56	42	54	54	60	....	40	47	58	42	37	29	....	36	31	34	37	41	40	....	48	42	47	42	43	42	....	48	45.2
Charleston	Maximum	91	94	76	77	86	89	80	63	70	74	80	75	57	62	69	75	62	45	52	68	68	79	84	78	81	80	82	84	86	86	84	75.4
	Minimum	61	59	60	57	47	47	52	59	48	43	43	43	46	41	36	37	41	37	40	39	39	35	36	44	44	38	39	42	43	45	45	44.8
Gary §	Maximum	91	89	77	73	80	88	85	73	67	73	77	73	55	57	68	72	53	41	49	63	66	77	81	78	79	81	81	81	80	81	79	73.2
	Minimum	57	55	62	55	44	45	51	54	55	40	40	41	44	37	32	33	40	39	39	37	38	32	33	40	39	41	41	39	35	36	45	42.5
Huntington §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lewisburg	Maximum	84	81	74	69	73	79	77	69	61	66	70	66	59	52	60	67	60	46	42	60	59	71	76	73	73	67	73	69	77	72	70	67.6
	Minimum	52	50	58	56	38	42	46	59	53	33	36	55	37	36	27	29	42	38	37	37	42	50	43	43	37	36	34	32	33	41	46	41.9
Marlinton	Maximum	72	74	64	66	66	76	71	68	58	62	64	60	52	50	56	64	54	42	38	54	56	68	74	70	70	66	70	68	72	70	68	63.4
	Minimum	46	44	46	44	36	42	52	54	40	34	36	48	36	36	26	26	36	34	36	36	38	32	48	40	32	26	32	30	32	34	46	38.0
Point Pleasant	Maximum	90	90	85	80	85	90	80	70	71	70	89	79	60	55	69	65	55	50	53	53	55	58	85	80	73	70	70	85	85	85	80	73.1
	Minimum	60	49	60	60	40	51	50	52	45	40	40	55	40	39	30	35	30	40	40	41	40	30	50	30	35	35	34	35	47	45	40	42.5
Ravenswood	Maximum	89	88	88	87	86	87	87	67	69	70	78	77	61	54	63	65	57	51	49	69	68	68	72	78	74	77	80	81	87	87	84	74.1
	Minimum	59	54	53	48	31	45	56	54	36	29	31	51	32	33	31	35	38	40	42	35	36	38	40	41	39	33	33	34	47	47	45	40.8
Robertsburg§	Maximum	93	93	77	75	84	90	73	63	72	75	80	69	56	51	70	60	55	45	52	70	65	78	82	80	80	80	80	83	85	85	83	73.7
	Minimum	57	56	58	55	39	45	48	53	47	39	39	50	42	37	30	35	38	38	38	39	37	32	37	40	38	34	32	34	37	43	50	41.8
Ryan	Maximum	92	90	70	70	80	85	70	60	60	70	77	65	55	53	64	67	53	43	44	56	63	75	80	75	65	75	78	81	82	83	82	69.8
	Minimum	55	54	58	50	50	44	53	54	44	35	34	55	44	35	27	29	40	35	38	39	32	27	39	35	35	29	29	29	36	46	45	40.5
Spencer §	Maximum	92	88	88	84	82	85	78	58	68	79	80	82	81	57	68	51	46	50	50	66	64	74	82	75	70	75	77	80	80	83	81	73.4
	Minimum	56	60	60	57	39	50	52	54	44	39	37	40	41	35	29	37	37	36	39	38	36	31	50	38	37	32	32	33	40	44	50	42.0
Sutton	Maximum	92	92	86	73	73	80	80	75	63	68	74	74	67	57	65	65	63	58	50	62	62	75	76	76	71	73	73	76	81	84	84	72.5
	Minimum	56	57	50	53	44	47	53	47	49	40	39	52	44	40	35	35	47	40	42	41	36	33	41	40	39	35	38	36	41	43	47	43.2
Union	Maximum	88	89	....	75	77	85	86	79	....	72	73	69	69	58	65	....	72	47	42	64	64	75	....	79	76	73	75	74	78	....	79	72.4
	Minimum	54	....	53	55	40	47	48	60	....	34	59	59	39	36	29	....	30	38	37	33	48	34	....	40	37	38	36	34	34	....	41	42.0
White Sulphur Spgs§	Maximum	84	73	79	80	88	83	73	70	72	73	71	60	60	70	74	53	48	49	65	67	78	82	81	81	82	77	75	84	73	70	....	72.5
	Minimum	53	55	57	39	40	48	53	55	35	35	42	40	35	27	32	33	39	40	39	44	37	37	40	35	34	35	32	31	34	42	40	39.9
Williamson §	Maximum	93	93	80	78	79	83	80	72	70	69	80	70	58	59	62	66	70	62	58	59	60	64	78	77	76	78	78	80	80	82	81	73.4
	Minimum	58	61	61	61	56	58	60	54	52	47	45	46	48	43	44	45	48	49	42	42	44	45	43	45	46	48	50	49	50	51	52	49.8

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 11-28-27—840)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXV Parkersburg, W. Va., November, 1927 No. 11

GENERAL SUMMARY

November was exceptionally cloudy, warm and wet. The average temperature, 48.1°, was exceeded in only two Novembers of State record, in 1902 and 1909, when the temperature averages were 50.3° and 49.1°, respectively. The average rainfall, 4.35 inches, was exceeded in only five Novembers of State record, 1897, 1900, 1913, 1919, and 1921. For some of the stations in the central and western counties the rainfall was the greatest of November State record. The last decade was exceptionally pleasant. The conditions were generally favorable for outdoor work. Corn husking was well advanced at the close of the month and winter wheat was in good condition. Moderately high winds prevailed on the 30th.

TEMPERATURE

The monthly mean for the State, determined from 50 stations, was 48.1°. The departure from the normal for 41 stations having ten or more years of record was +5.3. The temperature was much above the normal on the 1st-2d, 11-12th, 14-16th, and from the 22d to the close of the month, with the highest readings occurring on the 1st, 2d, 15th, and 29th. From the 3d to the 10th and the 18th to the 21st the temperature was considerably below the normal, with the lowest readings generally on the 7th and 20th.

PRECIPITATION

The average precipitation for the State, determined from 83 stations, was 4.35 inches. The departure from the normal for 57 stations having ten or more years of record was +1.73 inches. The precipitation was greatest over the central and western counties and lightest over the eastern panhandle counties. The greater part of the precipitation was received on the 2d-5th, 8-9th, 16-18th, and from the 23d to the 28th, the greatest amounts being measured on the 17th. Light to moderate snow fell in many localities on the 4th, 5th, 6th, and the 18th and 19th. At most of the southern stations only traces of snow were noted, but in the highest locations of the State the monthly amounts ranged generally from 5 to 10 inches.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 10th; Bancroft, 11th and 26th; Brownsville, 26th; Clay, 11th, 12th, 22d, 24th, and 25th; Davis, 9th; Elkins, 9th, 10th, 13th, and 26th; Hinton, 11th and 24th; Mannington, 10th and 26th; Marlinton, 1st, 10th, 11th, and 30th; Morgantown, 13th; Pt. Pleasant, 10th; Ravenswood, 10th; Terra Alta, 9th, 10th, and 17th, Wheeling, 20th and 26th.

Hail: Marlinton, 17th.

Halos, lunar: Bayard, 15th and 17th; Morgantown, 9th.

Halo, solar: Bayard, 2d.

Sleet: Arbovale, 8th; Bayard, 8th; Brownsville, 5th; Lost Creek, 5th and 19th; Marlinton, 9th.

Thunderstorms: Davis, 1st; Martinsburg, 18th; New Cumberland, 1st; Rowlesburg, 30th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

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Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.13	80	66	70	134.2	45	6,683	9.3	38	w.	28
Columbus, Ohio	30.11	80	71	73	77.5	26	8,973	12.6	55	nw.	30
Elkins	30.16	83	69	77	70.7	23	5,700	6.5	35	w.	17
Lexington, Ky	30.15	82	69	71	108.7	36	11,537	16.0	52	nw.	30
Parkersburg	30.14	75	62	70	51.1	17	5,011	7.0	42	nw.	30
Pittsburgh, Pa	30.11	76	70	73	77.9	26	9,850	13.7	54	nw.	30
Wytheville, Va	30.18	83	63	71	137.0	45	4,891	6.8	28	sw.	27

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	42.5	80	8	3.04	......	......	......	8	......	......	......
1892	41.7	81	3	3.10	......	......	......	......	......	......	......
1893	41.4	74	3	2.12	3.22	0.47	......	8	13	6	11
1894	39.8	82	5	2.11	3.47	0.25	......	8	12	6	12
1895	44.6	87	12	2.35	4.00	0.20	......	9	12	8	10
1896	48.1	80	10	3.50	5.07	1.56	......	8	10	8	12
1897	45.0	76	13	4.45	7.15	0.30	......	13	9	9	12
1898	41.4	75	−3	2.84	4.74	1.00	......	10	9	11	10
1899	45.6	76	14	1.93	3.49	0.20	T.	8	11	9	10
1900	45.5	86	9	5.20	8.88	2.71	2.8	10	8	8	14
1901	38.0	79	7	2.51	5.35	1.23	4.3	7	8	6	16
1902	50.3	83	12	3.27	4.56	1.23	0.7	7	11	6	13
1903	38.0	80	−4	2.46	4.98	0.67	4.6	9	11	8	11
1904	41.2	75	9	0.64	3.05	0.07	1.4	4	12	7	11
1905	41.8	74	10	2.44	5.67	0.67	T	9	13	7	10
1906	44.2	84	13	2.39	5.50	0.35	2.2	6	15	5	10
1907	41.8	74	13	3.40	7.05	1.41	1.0	9	10	8	12
1908	43.3	81	0	1.14	2.73	0.48	5.2	5	15	8	7
1909	49.1	84	12	1.34	3.85	0.23	0.2	7	14	7	9
1910	37.3	75	5	1.95	4.41	0.66	1.8	9	8	7	15
1911	40.5	83	7	2.74	5.54	1.27	2.0	8	10	7	13
1912	42.8	78	2	1.69	4.08	0.40	0.9	6	14	7	9
1913	44.5	82	−1	4.49	7.50	0.61	13.4	10	12	5	13
1914	42.6	84	2	1.32	2.27	0.50	2.9	5	16	6	8
1915	45.2	85	11	3.06	5.99	1.15	1.1	9	13	8	9
1916	43.8	81	8	1.77	3.07	0.75	0.3	6	16	5	9
1917	39.6	78	0	0.89	3.65	0.05	1.5	10	16	4	10
1918	42.9	79	12	1.89	4.60	0.64	0.2	6	13	5	12
1919	44.4	80	10	4.51	7.53	0.85	0.3	10	12	6	12
1920	41.6	80	5	3.21	5.69	1.47	4.1	10	9	4	17
1921	46.1	85	11	5.99	8.81	2.52	0.8	13	7	6	17
1922	43.8	80	2	1.15	2.49	0.17	1.3	6	12	4	14
1923	42.3	73	10	3.49	5.35	1.70	0.7	11	13	3	14
1924	42.9	87	9	2.05	4.11	0.45	4.1	9	10	6	14
1925	40.6	78	6	3.66	6.62	0.65	0.9	9	11	5	14
1926	40.7	82	4	3.59	6.67	1.59	0.6	9	10	5	15
1927	48.1	82	7	4.35	7.61	0.91	1.6	12	7	7	16
1891-1927	43.1	87	−4	2.76	8.88	0.05	2.1	8	12	6	12

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., November, 1927

See temperature and precipitation data in Climatological Tables, Pages 42, 43, and 44

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation	.066	.089	.049	.007	.031	.035	....	.331	....	.011	.033	.067	.081	.089	.031	.117	.076	.052	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Wind movement	6	27	85	52	110	160	74	46	20	22	31	82	46	39	5	87	56	91	62	36	29	32	71	74	91	32	58	57	79	47	....	1,707

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for November, 1927

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	26	43.6	+ 5.4	73	1	17	20	46	6.29	+3.45	1.61	11.0	13	11	4	15	sw.	U. G. Clark
Brandywine	Pendleton	1,586	11	45.2	+ 3.2	75	2	15	20	40	2.15	+0.36	0.90	3.0	4	10	2	18	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	38	......	......	......	......	......	......	......	2.52	+0.30	1.60	......	7	......	......	......	......	J. C. Newcomer
Inwood	Berkeley	569	5	46.8^{f}	......	77^{f}	11	20^{e}	20	41^{f}	......	......	......	T.	......	8	6	11	......	L. E. Dills
Martinsburg	Berkeley	435	35	48.2^{a}	+ 5.5	79^{a}	11	20	20	44^{a}	2.44	+0.18	1.20	T.	7	12	14	4	se.	Dr. H. S. Gardner
Moorefield	Hardy	900	31	50.8	+ 7.1	81	2	21	19	41	1.39	−0.25	0.61	2.5	3	24	2	4	......	M. S. Henkel
Piedmont	Mineral	1,053	14	46.2	+ 6.4	78	2	18	20	39	2.04	+0.03	1.22	0.2	8	5	10	15	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	29	47.6^{b}	+ 4.9	80^{b}	1	18^{a}	20	48^{c}	1.31	−0.65	0.53	T.	5	5	10	15	......	George E. Bergdoll
Stony River Dam	Grant	3,300	7	......	......	......	......	......	......	......	3.29	......	0.75	8.0	11	2	5	23	w.	A. C. Becker
Upper Tract	Pendleton	1,230	28	47.9^{c}	+ 4.3	80^{c}	1	19^{c}	20	46^{c}	0.91	−0.62	0.60	2.0	3	15	0	15	......	J. M. Mallow
Wardensville	Hardy	1,200	9	48.9^{a}	......	74^{a}	4†	15	20	55^{a}	1.75	......	0.95	0.2	4	10	14	6	......	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	3	......	......	......	......	......	......	......	4.35	......	1.45	2.7	17	4	9	17	w.	L. Else Bond
Alma (near)	Tyler	......	0	......	......	......	......	......	......	......	6.52	......	1.68	0	19	2	9	19	......	D. N. Furbee
Bens Run	Pleasants	652	25	48.6	+ 5.3	79	1	25	20	32	6.65	+4.10	1.85	1.0	17	4	15	11	......	J. D. Riggs
Benson	Harrison	1,080	4	48.8	......	79	11	17	7	44	4.33	......	1.04	T.	17	3	16	11	......	R. D. Marts
Brownsville	Lewis	1,032	4	49.2	......	76	14	17	7	46	4.07	......	1.25	0.8	13	6	6	18	......	George M. Myers
Bruceton Mills	Preston	1,549	7	......	......	......	......	......	......	......	5.54	+2.89	1.61	0.9	16	2	8	20	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	30	48.1	+ 6.7	72	11†	20	7	35	3.80	+0.34	1.45	T.	12	7	5	18	......	H. A. Darnall
Clarksburg	Harrison	1,015	5	47.2	......	75	1†	19	7	47	4.45	......	0.95	1.0	13	6	3	21	w.	Clarksburg Water Board
Cortland	Tucker	3,300	16	......	......	......	......	......	......	......	3.50	+1.20	1.00	10.0	7	4	20	6	......	G. W. Harmon
Crawford	Lewis	1,107	4	......	......	......	......	......	......	......	5.02	......	1.13	1.3	15	6	9	15	w.	George W. Blair
Creston	Wirt	640	25	49.4	+ 5.7	79	1	19	7	42	3.57	+1.07	0.96	0	9	8	0	22	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	6	......	......	......	......	......	......	......	4.72	......	1.40	0	12	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	11	......	......	......	......	......	......	......	6.26	+3.42	2.00	0	14	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	11	......	......	......	......	......	......	......	6.28	+3.56	1.90	0	16	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	6	......	......	......	......	......	......	......	4.11	......	1.14	0.5	15	......	......	......	......	Lockmaster
Davis	Tucker	3,093	18	......	......	......	......	......	......	......	4.32	+1.35	1.15	9.2	17	5	7	18	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	15	......	......	......	......	......	......	......	4.40	+1.93	0.98	0	12	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	26	46.6	+ 6.3	73	1	20	7	38	4.47	+1.61	1.71	8.7	18	1	6	23	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	2	......	......	......	......	......	......	......	3.12	......	0.56	6.1	14	0	12	18	s.	Clande A. Cunningham
Fairmont	Marion	883	21	47.8	+ 5.4	78	15	20	20	39	4.05	+1.18	1.10	1.5	13	5	6	19	w.	J. C. Robinson
Glenville	Gilmer	738	33	50.6	+ 7.0	80	1	18	7	45	4.34	+1.36	1.05	1.0	15	6	6	18	w.	Howard R. Brannon
Grafton^{g}	Taylor	1,000	34	47.0	+ 4.1	79	1†	20	20	38	......	......	......	0.1	......	6	3	14	ne.	T. D. Smith
Horner	Lewis	1,014	4	......	......	......	......	......	......	......	4.70	......	1.63	0	11	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	2	......	......	......	......	......	......	......	2.99	......	1.13	10.0	6	10	1	19	sw.	J. W. White
Janelew (near)	Lewis	1,020	4	49.3	......	79	29	19	7	45	4.05	......	1.30	T.	9	13	5	12	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	29	47.8	+ 5.6	75	11	19	7†	43	4.53	+2.03	1.48	0.5	16	2	5	23	sw.	Allen Smith
Mannington	Marion	985	24	47.2	+ 5.9	75	16	18	20	37	5.37	+2.87	1.41	2.0	18	4	8	18	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	34	48.4^{a}	+ 5.0	75^{a}	15†	20	20	37^{a}	5.99	+3.11	1.30	T.	13	0^{a}	5^{a}	24^{a}	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	29	45.6^{a}	+ 4.3	75^{a}	1†	20	20	40^{a}	6.88	+4.76	3.23	T.	19	7	2	21	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	33	50.4	+ 5.9	79	1†	19	20	48	6.00	+3.36	1.85	T.	15	6	1	23	n.	Wm. Ankrom
Parkersburg	Wood	638	40	49.5	+ 5.7	77	1	26	20	36	5.59	+2.76	2.21	0.2	18	2	5	23	se.	U. S. Weather Bureau
Parsons ††	Tucker	1,649	27	44.6^{j}	+ 3.7	78^{j}	1	21^{b}	7	43^{j}	5.61	+3.07	......	0.5	13	1^{a}	12^{a}	16^{a}	......	J. W. Swisher
Parsons No. 2	Tucker	......	1	......	......	......	......	......	......	......	4.19	+1.65	1.57	3.5	16	7	8	15	......	Robert T. Deem
Philippi ††	Barbour	1,550	30	49.3	+ 6.2	79	1	21	7	39	4.58	+1 79	1.33	3.0	17	5	6	19	......	Prof. Elwyn F. Chase
Pickens	Randolph	2,697	24	43.0	+ 2.4	72	2	7	7	41	4.79	+0.94	0.90	13.0	13	5	6	19	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	4	......	......	......	......	......	......	......	4.74	......	1.54	5.6	15	8	6	16	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	40	......	......	......	......	......	......	......	5.22	+2.18	1.22	......	14	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	18	......	......	......	......	......	......	......	7.61	+5.13	1.85	0	18	......	......	......	sw.	Wm. Hughes
Smithfield	Wetzel	850	21	49.2	+ 8.1	76	13	27	19	45	5.08	+2.11	1.74	0.2	11	5	5	20	......	Everett V. Price
Terra Alta	Preston	2,559	26	44.8	+ 3.3	75	1	14	20	49	4.61	+1.53	1.61	5.5	18	2	5	23	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	4	50.6	......	75	11†	18	7	42	4.09	......	1.10	0	14	9	6	15	w.	J. C. Campbell
Vandalia ††	Lewis	1,120	4	......	......	......	......	......	......	......	5.83	......	1.43	0	7	......	......	......	......	Creed H. McCue
Wellsburg	Brooke	668	26	46.9	+ 5.6	75	15	18	20	36	6.89	+4.48	2.90	1.2	16	3	7	20	w.	George P. Pfister
West Milford	Harrison	979	2	......	......	......	......	......	......	......	5.01	......	1.35	0	12	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	32	53.2	+ 9.9	75	1†	21	7	41	4.67	+1.03	1.40	1.5	13	2	22	6	......	Weston State Hospital
Wheeling	Ohio	645	40	46.4	+ 4.0	79	1	20	5	40	6 31	+3.80	1.93	T.	15	5	8	17	se.	Miss M. B. Forsyth
Woodlands	Marshall	......	......	......	......	......	......	......	......	......	6.15	......	1.61	0	16	9	6	15	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	......	......	......	......	......	......	......	......	3.31	......	1.41	5.0	8	8	5	17	w.	H. S. Sutton
Bancroft	Putnam	574	23	51.6	+ 7.1	79	11†	20	7	45	3.28	+0.88	1.10	T.	10	11	0	19	ne.	R. E. Dent
Bluefield^{e}	Mercer	2 558	32	49.4	+ 5.0	77	1	20	21	42	3.32	+1.04	1.90	0	8	7	9	9	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	12	......	......	......	......	......	......	......	4.09	+0.39	1.10	T.	5	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	24	50.5^{f}	+ 2.3	81^{f}	1	20	7	46^{f}	3.39	+0.32	0.98	T.	9	16	0	14	......	R O. Fields
Clay	Clay	706	13	......	......	......	......	......	......	......	3.68	+0.59	1.20	0.5	13	......	......	......	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	......	......	......	......	......	......	......	......	2.91	......	0.87	0	6	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	11	......	......	......	......	......	......	......	6.65	+3.29	2.22	......	17	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	11	......	......	......	......	......	......	......	6.01	+2.92	2.28	......	17	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	......	......	......	......	......	......	......	......	4.82	......	2.20	0	14	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	11	......	......	......	......	......	......	......	4.93	......	2.20	0	10	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	11	48.2	......	78	1†	19	7	44	4.47	+1.53	1.85	0	11	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	30	47.9	+ 3.9	77	1†	22	7	45	3.60	+1.40	1.23	0	8	11	11	8	......	Mrs. M. L. McClung
Kanawha Falls	Fayette	618	8	......	......	......	......	......	......	......	3.69	......	1.33	0	10	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,336	11	......	......	......	......	......	......	......	3.71	+0.68	1.19	......	12	......	......	......	......	Cabin Creek Con. Coal C
Kermit	Mingo	579	1	......	......	......	......	......	......	......	3.87	......	1.35	0	9	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	27	46.0	+ 4.5	73	2	16	20	37	3.17	+0.71	1.18	T.	5	9	7	14	nw.	Geo. T. Argabrite
Logan	Logan	700	24	......	......	......	......	......	......	......	3.68	+0.81	0.85	0	8	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	28	40.5	+ 2.7	68	2	14	20	38	4.03	+1.29	1.48	2.0	9	3	18	9	sw.	S. L. Brown
Organ Cave	Greenbrier	......	1	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. J. Hedrick
Point Pleasant	Mason	595	34	47.6	+ 2.6	80	1†	18	18	45	5.47	+2.66	2 49	T.	12	8	0	22	sw	Miss Grace E. Henson
Powelton^{b}	Fayette	904	33	53.3	+ 8.6	76	1†	20	7	39	4.10	+1.37	1.30	0	6	......	......	......	......	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	12	48.8	......	79	1	18	7	40	4.28	......	1.68	T.	12	10	0	20	ne.	Lockmaster
Robertsburg	Putnam	570	27	50.9^{j}	+ 7.7	80	15	22^{j}	20	41^{j}	3.80	+1.43	1.48	0	11	12	0	18	......	M. Frazier
Ryan	Roane	700	24	46.7	+ 3.8	78	1†	14	7	42	4.92	+2.44	1.77	2.8	14	4	7	19	......	Wm. E. Ryan
Sharples	Logan	......	7	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	R. W. Howard
Sissonville	Kanawha	625	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. N Johnson
Spencer	Roane	789	23	49.3	+ 5.9	77	1†	16	7	37	3.94	+1.46	0.97	T.	10	2	8	20	......	A. M. McKown
Summersville	Nicholas	1,894	3	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. O. Mc Million
Sutton	Braxton	850	21	49.2	+ 5.4	76	11†	19	7	40	4.80	+0.84	1.10	T.	13	16	0	14	......	C. B. Eakle
Union^{d}	Monroe	2,250	23	48.2	+ 7.2	74	2	16	21	47	3.85	+1.86	1.61	T.	7	6	8	12	......	W. M. H. Young
Wayne	Wayne	598	......	......	......	......	......	......	......	......	4.39	......	2.00	T.	8	......	......	......	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	17	46.2^{a}	+ 3.3	82^{a}	1	15	19	54^{a}	3.27	+0.86	1.15	0	9	22	3	5	......	H. E. Green
Williamson	Mingo	673	27	50.7	+ 5.5	80	1	22	7	33	3.71	+1.10	0.85	0	8	16	0	14	sw.	A. J. Maynard
State averages and extremes		......	......	48.5	+ 5.0	82	1	7	7	54	4.10	+1.36	3.23	0.4	10	10	5	15	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for November, 1927

Stations	Drainage-basin	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac			.39	1.61	.07	.81	T.	.03	.54	T.		.07						1.21	.09			.27	T.	.09	1.04	T	.07					6.29
Brandywine	do			*	.90	T.	T.		.35				T.					.90				T.											2.15
Harpers Ferry ‖	do				.39				.19									.20	1.60														2.38
Inwood	do				.36		T.	T.		.20								.50	1.24									.05	.04	.05			+++
Martinsburg‖	do				.45					.20			T.					.41	1.20						.05			.03	.10				2.44
Moorefield	do			.61			T.		.20									.58															1.39
Piedmont	do			1.22		.04	.01		.12	.02								.60				T.											2.01
Romney ‖	do		.16	.53		T.	T.	T.									.05	.50									.02	.01	.07				1.34
Stony River Dam	do			.75	.50	.08	.16		.16	.72									.57	.08			.48			.25			.17				3.92
Upper Tract	do			.15				.16										.60															0.91
Wardensville‖	do				.65			T.	.02	.13										.95													1.75
Northern Division																																	
Aberdeen	Monongahela		.13	1.45	.10	.20	.05		.24	.25			.01				T.	1.17	.05	.03		.17		.04	.28	.02	T.	.05	.11				4.35
Alma (near)	Ohio		.15	1.00	.20	.14	.04		.45	.01						.05	.25	1.68	.04			.36		.05	.46		.15	.05	1.35	.07	.02		6.52
Bens Run	do		.14	.84	.10	.20			.45						.06		.02	1.85	.07			.33		.22	.31		.14	.34	1.34	.15	.09		6.65
Benson	Monongahela		.16	1.04	.12	.20	.05		.33	.18			.06					.92	.11			.24		.02	.38	.07	.01	.14	.30		T		4.33
Brownsville	do		.13	1.25	.12	.24	.02		.35	.11								1.06	T.	.05		.26		.14	.26	T.	T	.08			T.		4.07
Bruceton Mills	do		.35	1.61	.32	.14	T.		.20	.10			.09		T.			.76				.12		.05	.32	.08	.29	.41	.65	.05	T.		5.54
Buckhannon	do		.30	1.45	.18	.30			.40	.12							T.	T.	T.			.38		.22	.26	.08	.05	.06					3.80
Cairo	Little Kanawha																																
Clarksburg‖	Monongahela			.95	.24	.33	.07		.08	.45			T.					.14	.85				.25		.38	.01			.64	.06			4.45
Cortland‖	do		.95	.24	.16	.65			.35							.15							1.00										3.50
Crawford	Little Kanawha		.19	1.13	.34	.31			.79	.09			.05					1.07	.10	T.		.17		.31	.34	T.	.02	.02	.09				5.02
Creston‖	Monongahela			.96	.07	.22				.27			.05					.75	.73			.10			.42								3.57
Dam 10, Mon. R.‖	Ohio			1.40	.35	.18	.06			.36								.16	.91				.12		.20	.12		.16	.70				4.72
Dam 12, O. R.‖	do			.87		.46			.01	.16			.04					2.00	1.00			.12	.13		.18			.21	.85	.07	.16		6.26
Dam 13, O. R ‖	Monongahela			.88	.04	.35	.03		.02	.25			.03					1.90	.96			.13	.10		.28			.25	.85	.06	.15		6.28
Dam 15, Mon. R.‖	do			1.14	.24	.18	.12		.06	.24			.04					T.	.80			.02	.16		.21	.06		.11	.68	.05			4.11
Davis ‖	do	.08		1.15	.29	.24	.10		.10	.40	.03		.03	.01				T.	.85	.02			.23		.21		.23	.05	.30		T.		4.32
Elizabeth (D'm 3 L K)	Little Kanawha			.80		.27			.07	.32			.05					.98	.85			.14	.13		.37				.39	.03			4.40
Elkins ***	Monongahela		.26	1.45	.09	.20	T.	T.	.54	.05		T.	.03				T.	.75	.04	.01		.22		.45	.02	.03	.01	.01	.04		.27		4.47
Evenwood	do	T.	.42	.56	.14	.07	T		.46	.04	.21			T.				.46	.07	T.		.29		.14	.08	.17	.01	T.					3.12
Fairmont‖	do			1.10	.28	T.	.12	.12		.32								.14	.85	T.		.04	T.		.24	.02		.15	.65	.02			4.05
Glenville ‖	Little Kanawha			1.05	.18	.26	.03		.10	.52			.08					.28	.82	.14			.17		.52	.04		.06	.09				4.34
Grafton ‖	Monongahela		.14	1.32		.25	T.	T.	.42	.20								.94	T.			.15											+++
Horner	do			1.63		.50			.36	.10								1.12				.50		.22	.05		.05		.05	.12			4.70
Horton	do			1.13	.27	T.	T.		.27				T.					.67	T.			.19			.46	T.							2.99
Janelew (near)	do		.10	1.30	.12	.20			.28									1.30		T.		.35		.10	.30								4.05
Lost Creek	do		.10	1.38	.06	.38	T.		.36	.06		T.	.04				.01	1.14	.11	T.		.21		.03	.32		.04	.11	.18		T.		4.53
Mannington	do		.32	1.09	.09	.30	.02		.27	.06			T		T.		.07	1.04	.05			.21		.09	.37	.02	.12	.28	.91	.06			5.37
Morgantown	do			1.30	1.10	.10	T.		.30	.10								1.25	.13			.42		T.	.30	T.	*	.40	.49	.10			5.99
New Cumberland‖	Ohio	.02		.57	.06	.25	.09	.03	T.	.01	T.		.12		T.	.10		2.50	.73	T.		.10	.05		.15	.04		.17	1.40	.37	.12		6.88
New Martinsville	do		.20	.70	.10	.30			.30						.20		.10	1.85	.10			.30			.25		.20	.20	.95		.25		6.00
Parkersburg ***	do		.36	.34	.19	.01		T.	.30		T.		.05		T.		.95	1.28	.01			.14		.52	.11	.01	.01	.83	.19	.03	.26		5.59
Parsons	Monongahela			*	*			1.70	.04										.70			.30		.20	.25	.15	.17	.10			T.		3.61
Parsons No. 2	do	.02		.93	.64	.29	.21		.09	.56		T	.02	T.					.67	.02			.18		.18	*	*	*	.38				4.19
Philippi	do		.33	1.33	*	.26	T.		.44	.11		.01	.08	T.			T.	1.04	.03	.02		.17	T.	.09	.32	T.	T.	*	.34	.01			4.58
Pickens	do		.25	.86	.24	.32	.16	*	.66				.22					.90	.08			.32	.50	.28		T.							4.79
Roanoke	do		.20	1.34	.14	.24	.01		.54	.10								1.07	.10	.01		.20	T.	.17	.48	T.	.01	T.	.13				4.74
Rowlesburg ‖	do			1.22	.78	.02	.40		.02	.59									.75	.02			.14		.36	.08		.09	.57	.18			5.22
Saint Marys ‖	Ohio			1.05	.10	.35	.05		.10	.37	T.		.05			.06		1.20	.93			.25	.09		.52	.08		.11	1.85	.40	.05		7.61
Smithfield‖	Fishing Creek			.29	.68	.21	.24	T.	.34	.09								.27	1.74			.19						.29	.74				5.08
Terra Alta	Monongahela		.02	1.61	.14	.29	.05		.23	.24	.06	T.	.05				T.	.59	T.	.01		.09	T.	.06	.31	.09	.15	.09	.53				4.61
Valley Chapel	do		.75	.63	.01	.25		.18	.10	.15			.02						1.10			.20			.30	.05		.15	.20				4.09
Vandalia	do		.56	1.00				.41	.41										1.18						.84						1.43		5.83
Wellsburg	Ohio		.17	.61	.28	.36	.05		.10			T.			.04			2.90	.02			.18			.16	T.	.16	.50	.76	.10	.50		6.89
West Milford	Monongahela			1.35	.12	.35			.48	.12								1.00					.35	.40			.07	.20		.35	.22		5.01
Weston	do			T.	1.40	.30	.30	.12	.35				.10				.10	.95	T.	T.		.25		.20	.35	.10			.15				4.67
Wheeling‖	Ohio	T.		.88	T.	.46	.02		.01	.21			.08			T.		1.93	1.06			.12	.11		.27	T.		.13	.81	.06	.16		6.31
Woodlands ‖	do			1.05	.05	.30	.06		.02	.29			.02					1.61	1.08			.16	.10		.17			.18	.70	.20	.16		6.15
Southern Division																																	
rbovale	Great Kanawha			1.41	.18	.08			.49				.02					1.05	T.	T.		.05			.03								3.31
ancroft ‖	do			1.10		.15			.17	.33			.10					.70	.58	.05	T.								.05	.05			3.28
eckley	do																																
luefield	do			.98					.21	.05	.02		.08					1.90					.01			.07							3.32
amden-on-Gauley‖	do		.30	.80	T.	T.	T.			1.10									1.05			.84											4.09
harleston ‖	do			.98	.10				.28	.48			.12					.38	.95	.05						.05							3.39
lay ‖	do			1.20	.16	.14			.21	.34			.16					.12	1.12	.05			.04		.02	.12	T.		T.				3.68
am 6 G K.‖	do			.85	.05			T.	.28	.45							T.	.41	.87														2.91
am 19 O. R. ‖	Ohio			.85		.25	.03		.05	.23			.05					2.22	.65	.02		.10	.08		.63	.14		.07	1.08	.09	.11		6.65
am 20 O. R. ‖	do			.90		.24	.02		.08	.19		.04	.10					2.28	.66	.05		.07	.05		.70	.02			.52	.05	.04		6.01
am 25 O. R. ‖	do			.80		.16			.18	.08			.03					2.20	.68	.09		.01	.01		.35			.01	.20	.02	T.		4.82
am 26 O. R. ‖	do			.70		.20			.13	.13			.02					2.00	1.30	.05					.28				.12				4.93
ary ‖	Big Sandy			.60	.18				.49	1.85	02	.02	.09	.02				.12	.96							.12							4.47
inton ‖	do			.67	.30	.16			.22	1.00				.02				.01	1.22														3.60
anawha Falls‖	Great Kanawha			.80	.20	.20			.26	.56			.08					.08	1.33	.03						.15							3.69
ayford‖	do			.61	.17	.16	.01		.25	.84	.01		.12					.15	1.19	.03						.17							3.71
ermit ‖	Big Sandy		.56		.25			.56	.56			.10						1.35	.12						.25						.12		3.87
ewisburg	Great Kanawha			.87		T.			.98	.03								1.18							T.	.11							3.17
gan ‖	Guyandotte			.50	T.	.22			.60	.68			.16					.85	.47							.20							3.68
arlinton	Great Kanawha		.06	1.48	T.	T.	T.		.82		.04		.02			.02	T.	1.39	T.			.08			.12								4.03
rgan Cave	do																																
int Pleasant ‖	Ohio			.82		.20			.19	.11		.08	.06					2.49	.71	.21					.35				.22	.03			5.47
owellton	Great Kanawha	.10		.80					1.00									1.30						.80	.10								4.10
avenswood (Dam 22	Ohio			.68		.19	.02		.17	.21			.05					1.68	.60	T.		.10	T.		.33		.05		.20				4.28
obertsburg ‖	Great Kanawha			.73		.14			.17	.19			.23					1.48	.38	.10					.30	.03			.05				3.80
an	do		.67	1.23		.13			.44	.04							.09	1.77	.10	.12		.04		.14	.08		.01				.06		4.92
arples‖	Coal River																																
ssonville ‖	Great Kanawha																																
encer ‖	do			.97	T.	.27	T.	T.	.20	.42	T.		T.					.41	.88	T.			.28		.39			.05	.07				3.94
mmersville	Gauley																																
tton	do		.30	1.05	.10	.30	T.		.45	.15			.15					1.10	.20	.15		.10			.65		.10						4.80
ion	do			1.05	T.	.09			.82	.14			.06					1.61								.08							3.85
ayne‖	Big Sandy			.98	T.	.31			.39	.44			.04					2.00	.20	.03													4.39
hite Sulpr. Spgs ‖	Great Kanawha		.47	.45	.18			.13	.65								.07	1.15							.10						.07		3.27
illiamson ‖	Big Sandy			.52		.09			.62	.85			.22					.61	.62							.18							3.71

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete.

Daily Temperatures for November, 1927

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	73	71	71	35	41	32	36	36	42	63	69	68	51	70	71	69	67	40	27	26	40	62	60	63	58	60	64	67	70	72	....	55.8
	Minimum	32	30	30	29	27	22	18	23	30	30	43	37	20	24	31	40	37	23	19	17	22	39	53	52	37	19	45	37	44	34	....	31.5
Brandywine	Maximum	65	75	60	40	45	40	38	35	52	59	65	65	51	58	60	65	65	35	34	40	45	65	65	65	63	60	60	62	65	65	....	55.5
	Minimum	38	40	37	32	30	25	23	26	35	32	38	47	22	27	46	50	35	28	25	15	24	40	42	48	35	20	48	50	45	46	....	35.0
Burlington	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Inwood	Maximum	73	75	46	48	49	38	41	36	48	52	77	65	51	60	70	75	67	39	39	42	64	70	72	69	....	....	....	....	....	....	....	56.9
	Minimum	42	45	46	38	33	33	29	30	31	30	36	40	31	26	39	44	47	38	27	20	26	35	51	53	44	....	....	....	....	....	....	36.6
Martinsburg§	Maximum	75	78	47	47	52	41	43	36	47	52	79	68	53	62	72	76	64	68	41	45	42	72	72	70	51	60	72	62	76	....	....	59.4
	Minimum	38	43	46	38	39	35	31	30	33	29	37	39	37	25	28	41	49	31	29	20	25	31	38	54	45	28	33	55	49	49	....	37.0
Moorfield	Maximum	79	81	75	51	46	48	41	40	49	60	77	75	55	65	72	75	71	56	40	45	49	70	74	70	70	64	74	74	76	72	....	63.2
	Minimum	41	45	39	37	32	32	24	29	30	36	41	50	27	24	39	48	53	35	21	25	27	40	57	50	46	25	45	58	52	45	....	38.4
Piedmont	Maximum	74	78	52	45	46	38	38	36	46	52	74	65	54	57	73	72	64	39	36	30	44	60	61	64	53	54	64	64	70	74	....	55.9
	Minimum	45	42	37	35	34	26	24	29	32	36	41	43	28	28	34	37	39	30	27	18	27	39	56	51	42	28	42	53	50	45	....	36.6
Romney	Maximum	80	66	45	48	48	38	41	48	55	....	78	47	57	75	75	75	52	38	33	43	68	68	72	67	48	69	69	75	71	....	....	58.9
	Minimum	41	42	37	36	32	28	27	28	30	34	....	39	27	27	34	45	45	35	26	18	27	36	62	52	44	24	29	55	48	48	....	36.4
Upper Tract	Maximum	80	79	....	75	67	40	38	39	51	63	....	74	71	70	70	64	....	50	43	45	50	70	71	70	70	69	70	70	71	72	....	63.0
	Minimum	34	41	....	47	29	28	25	25	31	32	....	45	35	25	47	40	....	30	30	19	25	35	36	34	36	24	25	26	32	49	....	32.8
Northern Division																																	
Bens Run	Maximum	79	70	49	50	46	38	43	38	45	64	76	69	55	60	77	73	62	39	37	45	44	66	64	67	46	55	66	68	73	73	....	57.9
	Minimum	49	48	38	35	35	28	28	31	36	41	55	45	28	35	45	50	38	31	27	25	36	42	50	46	30	30	35	57	47	56	....	39.2
Buckhannon	Maximum	71	70	58	41	40	36	38	53	49	65	72	64	56	70	71	72	65	39	34	40	45	62	63	63	50	62	67	66	68	71	....	57.4
	Minimum	43	46	35	29	35	28	20	30	41	35	50	41	27	35	45	48	38	30	27	24	30	42	52	50	41	28	53	55	55	50	....	38.8
Clarksburg §	Maximum	75	72	41	45	40	37	39	42	44	67	75	49	56	74	74	75	56	33	31	44	59	68	65	65	47	65	67	69	73	71	....	57.3
	Minimum	43	42	38	35	34	29	19	27	33	39	41	47	24	27	41	44	51	32	23	20	28	39	59	51	43	26	28	55	50	51	....	37.2
Creston	Maximum	79	72	58	49	48	43	44	41	45	68	76	77	60	73	77	74	63	49	39	46	45	64	68	65	54	54	70	69	75	74	....	60.6
	Minimum	49	46	39	31	37	27	19	32	39	35	44	41	27	39	35	52	37	30	28	31	32	40	42	51	44	26	42	44	51	53	....	38.1
Elkins	Maximum	73	73	47	38	40	31	33	39	46	66	70	66	62	73	65	69	67	33	29	40	52	65	62	63	43	62	66	66	70	71	....	56.0
	Minimum	42	47	32	31	30	26	20	28	34	34	52	35	25	39	54	58	33	26	25	24	28	47	55	41	29	24	52	52	54	38	....	37.2
Fairmont§	Maximum	75	75	40	43	47	35	41	40	44	69	76	51	60	71	78	76	53	33	35	42	57	65	65	64	46	66	65	68	75	71	....	57.5
	Minimum	48	49	38	32	35	30	22	27	33	33	37	48	26	32	41	53	52	31	24	20	27	40	56	55	43	27	27	56	50	50	....	38.1
Glenville	Maximum	80	74	56	50	45	41	46	41	47	69	78	76	63	78	78	76	70	40	40	50	50	68	67	66	64	65	70	70	77	74	....	62.3
	Minimum	45	44	36	30	33	28	18	31	39	41	47	40	26	33	42	55	39	30	29	22	29	41	55	54	42	27	50	53	52	52	....	38.8
Lost Creek	Maximum	74	71	55	45	42	36	40	40	43	65	75	72	58	73	73	70	70	40	33	44	44	64	65	62	52	61	63	65	71	70	....	57.9
	Minimum	41	42	33	30	32	28	19	30	37	38	56	44	21	30	42	54	40	29	21	19	27	41	58	52	35	22	55	54	50	55	....	37.8
Mannington	Maximum	72	72	48	45	45	38	40	37	44	65	73	70	53	67	74	75	63	40	34	39	45	65	64	65	50	60	65	68	70	72	....	57.3
	Minimum	45	41	33	30	32	30	19	30	36	34	53	46	23	30	38	46	40	31	22	18	28	43	57	50	42	26	45	55	45	47	....	37.1
Morgantown	Maximum	73	74	47	41	42	35	39	38	43	66	70	68	54	67	75	75	70	40	32	36	46	64	62	61	....	65	64	67	68	72	....	57.1
	Minimum	53	46	32	33	33	28	23	29	36	35	60	43	28	42	38	60	36	29	24	20	33	40	56	46	40	33	50	55	52	61	....	39.8
New Cumberland§	Maximum	75	66	45	45	45	37	39	35	48	63	73	51	50	64	75	65	41	34	33	44	57	62	63	64	47	65	63	65	69	....	....	54.6
	Minimum	43	48	37	31	35	28	29	30	31	32	36	45	30	24	41	46	39	31	21	20	28	38	47	48	41	31	32	47	50	51	....	36.5
New Martinsville	Maximum	79	75	69	62	61	43	42	39	47	64	76	76	72	62	79	75	67	59	52	48	45	65	65	65	60	68	65	77	78	72	....	63.6
	Minimum	47	44	33	31	33	26	20	28	33	33	56	43	24	30	40	51	36	28	21	19	31	42	55	45	40	26	47	54	51	51	....	37.3
Parkersburg	Maximum	77	71	47	50	44	37	41	39	43	63	76	67	55	69	77	65	50	31	38	45	53	65	66	65	52	64	68	69	75	74	....	58.0
	Minimum	56	44	36	36	34	28	26	32	36	36	60	37	31	41	57	50	32	31	28	26	38	52	58	45	38	33	59	58	54	38	....	41.0
Parsons	Maximum	78	70	56	58	....	36	35	39	50	60	70	61	69	70	71	71	70	46	38	....	....	....	....	....	....	....	....	....	....	....	....	57.5
	Minimum	41	41	30	31	....	30	21	31	34	31	36	25	26	34	35	34	36	30	26	22	29	36	34	35	36	29	33	28	....	35	....	31.8
Philippi	Maximum	79	74	48	40	38	35	37	43	46	66	73	66	57	73	72	73	66	66	32	41	47	65	61	67	52	62	64	67	70	71	....	58.4
	Minimum	46	47	30	32	31	26	21	28	37	37	56	39	25	47	56	60	37	27	27	22	31	46	56	51	42	31	53	51	54	61	....	40.2
Pickens	Maximum	71	72	52	36	36	30	35	43	47	61	69	62	61	68	67	67	65	40	40	39	49	58	59	44	49	59	64	61	67	66	....	54.7
	Minimum	47	45	27	24	25	18	7	17	30	30	48	27	20	38	39	52	28	19	18	12	22	44	40	29	20	25	50	48	49	48	....	31.
Terra Alta	Maximum	75	73	58	43	36	46	35	34	39	63	68	68	43	71	71	70	67	48	29	34	42	59	61	61	59	60	60	63	66	71	....	55.8
	Minimum	36	39	31	29	19	23	18	24	26	33	53	39	22	22	38	51	36	24	19	14	22	39	53	50	36	22	48	52	49	46	....	33.
Wellsburg	Maximum	72	62	48	46	45	38	39	35	47	61	73	68	49	64	75	73	60	47	32	38	44	63	66	63	48	56	63	65	69	70	....	56.
	Minimum	48	44	34	29	31	29	28	30	33	30	59	45	22	30	39	55	36	31	23	18	31	41	52	47	42	26	52	50	50	48	....	37.
Weston	Maximum	75	75	70	45	45	44	40	40	45	68	75	75	60	75	75	73	73	70	45	65	65	68	68	68	68	68	68	68	74	74	....	61.
	Minimum	46	42	34	36	34	29	21	30	38	38	68	40	27	45	52	68	40	30	27	35	31	35	58	55	58	27	58	59	58	50	....	42.
Wheeling§	Maximum	79	70	44	43	46	40	41	38	47	65	75	55	55	63	79	75	45	34	37	42	67	65	64	66	48	65	65	66	75	72	....	57.
	Minimum	46	48	30	35	20	27	23	25	30	30	38	45	23	25	40	42	40	30	24	22	27	41	53	50	40	30	37	49	47	43	....	35.
Southern Division																																	
Bluefield	Maximum	77	75	64	45	44	....	41	45	53	60	67	71	....	68	66	64	62	40	34	....	56	63	68	....	62	61	....	62	66	66	....	59.
	Minimum	50	48	35	33	35	....	22	34	39	38	48	49	....	26	52	57	39	24	25	....	20	40	48	....	39	33	....	50	52	56	....	39.
Charleston	Maximum	81	78	62	52	64	44	45	48	49	....	....	....	....	....	....	76	56	36	36	38	68	78	64	66	64	73	77	74	79	75	....	61.
	Minimum	51	50	40	33	35	28	20	23	35	37	40	46	27	30	47	52	47	31	29	23	24	37	54	59	44	31	31	57	57	57	....	39.
Gary §	Maximum	78	78	45	49	45	38	44	48	54	71	73	61	69	76	72	70	58	33	35	52	59	68	71	68	58	70	73	70	72	71	....	61.
	Minimum	43	42	44	31	33	29	19	21	40	38	39	46	30	32	42	46	47	29	29	20	26	30	35	38	41	29	30	42	41	50	....	35.
Huntington §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Lewisburg	Maximum	69	73	66	45	45	41	39	39	51	58	70	63	56	63	62	65	64	42	32	43	51	64	65	63	60	60	68	67	68	64	....	57.
	Minimum	38	39	35	32	31	26	30	31	35	32	39	40	26	30	44	49	39	26	25	16	21	29	42	40	39	23	42	49	48	44	....	34.
Marlinton	Maximum	66	68	54	36	36	32	34	32	48	48	64	54	50	58	60	58	60	36	34	30	36	60	60	58	46	54	66	62	66	60	....	50.
	Minimum	38	36	30	30	26	22	18	28	30	32	38	36	22	26	42	44	36	22	22	14	20	26	34	38	30	16	34	40	34	38	....	30.
Point Pleasant	Maximum	80	70	54	54	53	47	40	40	45	60	65	70	70	60	80	75	60	50	40	40	48	60	60	64	50	65	70	65	70	70	....	59.
	Minimum	50	46	37	30	30	25	29	30	32	40	44	40	25	35	49	49	34	18	25	25	30	35	31	35	40	30	50	52	49	39	....	36.
Ravenswood	Maximum	79	74	50	50	50	40	43	42	44	62	76	74	58	74	76	74	62	38	38	46	51	65	64	65	54	62	68	68	74	73	....	59.
	Minimum	47	40	30	31	36	22	18	22	28	31	45	34	25	37	54	51	36	31	27	21	35	50	56	48	44	31	35	55	48	62	....	37.
Robertsburg§	Maximum	78	71	56	52	45	41	45	44	60	62	76	52	71	79	80	65	42	37	38	50	58	66	66	65	57	70	73	70	76	75	....	60.
	Minimum	49	46	49	40	36	28	....	....	....	....	....	....	....	....	....	....	40	32	31	22	25	45	53	54	44	29	37	55	53	54	....	41.
Ryan	Maximum	78	60	50	45	43	40	41	43	44	65	75	57	60	74	78	70	60	32	35	40	48	65	65	64	52	65	75	70	75	75	....	58.
	Minimum	45	44	36	27	32	24	14	28	36	30	40	35	20	33	45	45	32	29	30	17	27	39	44	42	40	23	48	52	50	52	....	35
Spencer §	Maximum	77	74	45	50	42	41	43	41	45	68	77	54	57	71	77	74	47	34	39	50	59	67	62	62	52	65	72	67	75	72	....	58.
	Minimum	50	55	36	28	32	22	16	29	31	34	45	44	22	45	55	54	44	27	30	19	31	50	57	54	42	28	50	52	56	60	....	39.
Sutton	Maximum	72	72	59	46	46	44	38	44	50	65	76	76	59	75	75	73	73	46	37	48	48	65	65	60	56	60	71	71	75	75	....	60.
	Minimum	45	45	37	31	34	29	19	33	40	36	45	40	29	35	50	53	40	30	30	23	32	35	46	44	42	28	43	45	50	45	....	37
Union	Maximum	71	74	73	46	46	....	42	42	52	59	70	70	....	71	66	66	66	46	35	....	55	64	66	66	66	62	....	68	68	68	....	60
	Minimum	40	41	35	31	30	....	19	34	36	34	37	45	....	24	44	55	45	28	25	....	16	31	42	41	40	25	....	42	44	44	....	35
White Sulphur Spgs§	Maximum	82	50	50	46	40	46	44	56	61	78	61	61	68	70	69	68	32	31	50	58	70	70	65	57	70	73	73	74	71	....	....	60
	Minimum	40	45	30	27	27	18	32	34	33	39	41	22	28	34	50	51	30	28	15	16	25	31	38	33	21	19	42	42	40	34	....	32
Williamson §	Maximum	80	70	51	50	42	40	45	52	52	68	78	72	70	78	79	60	54	37	42	51	58	60	65	60	59	64	70	70	68	62	....	60
	Minimum	50	50	44	41	41	27	22	25	40	44	45	51	49	50	48	50	46	32	30	31	32	35	40	42	42	41	42	47	48	47	....	41

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 12-29-27—840)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXV Parkersburg, W. Va., December, 1927 No. 12

GENERAL SUMMARY

The temperature for December averaged practically normal, but the precipitation was somewhat above the normal. The highest and lowest temperatures observed were also well within previous records. While the precipitation was above the normal and while a flood occurred in the Ohio River, the precipitation was hardly excessive in any locality of the State. The snowfall was only slightly more than one-half the December average. The temperature for the month was characterized by a warm period that prevailed from the 11th to the 16th and a cold period from the 18th to the 28th. Corn husking was more or less general during the month, but most farm work was practically at a standstill.

TEMPERATURE

The monthly mean for the State, determined from 48 stations, was 34.4°. The departure from the normal for 41 stations having ten or more years of record was +0.8°. Moderately cool weather prevailed from the 2d to the 5th, and the 8th to the 10th. Low temperature was general from the 17th to the 28th. The temperature was high for the season from the 11th to the 16th. The lowest temperatures were noted generally on the 9th, 19th and 26th. The highest occurred generally on the 1st and 13th. A cold wave set in at the close of the month.

PRECIPITATION

The average precipitation for the State, determined from 84 stations, was 3.72 inches. The departure from the normal for 58 stations having ten or more years of record was +0.34 inch. The greater part of the precipitation was recorded from the 1st to the 3d, 11th to the 17th, and the 29th to the 31st. Light precipitation also occurred on the 7-8th and 19th-21st. The greatest daily amounts fell from the 11th to the 14th. The greater part of the snowfall was received on the 8-9th and from the 16th to the 20th.

RIVERS

Owing to heavy rains in sections of Pennsylvania and Ohio, a moderate flood occurred in the Ohio River in this section from near the close of the second decade to well into the third decade of December. While there was not much damage in the cities and larger places along the river, there was the usual worry and work brought about by moving goods to higher places. Farmers, however, lost much hay and corn fodder and considerable corn. The following crest stages were noted: Wheeling, 40.9; Saint Marys, 38.7; Marietta, 40.7; Parkersburg, 41.9; Dam 19, 42.7; Dam 20, 43.0; Dam 22, 46.1; Dam 25, 46.9; Point Pleasant, 45.3; Huntington (Dam 28), 47.0 feet.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 30th; Clay, 13th; Elkins, 26th; Hinon, 6th, 13th, and 30th; Marlinton, 12th and 31st; St. Marys, 30th and 31st; Terra Alta, 21st; Wheeling, 6th, 7th, 10th, 26th, 27th, 28th, and 30th; Williamson, 6th.

Halos, lunar: Elkins, 1st and 30th; Parkersburg, 1st.

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Sleet: Arbovale, 2d and 4th; Bancroft, 21st and 22d; Bayard, 4th and 21st; Brandywine, 4th; Brownsville, 21st; Clay, 21st; Cortland, 22d, 23d, and 24th; Crawford, 22d; Davis, 5th, and 21st; Elkins, 4th and 31st; Fairmont, 21st; Horton, 3d and 22d; Kayford, 4th; Marlinton, 4th and 22d; Martinsburg, 5th; Moorefield, 4th; Morgantown, 21st; Organ Cave, 2d and 17th; Pickens, 4th; Roanoke, 21st; Ryan, 20th and 21st; Stony River Dam, 2d and 23d; Terra Alta, 1st, 4th, and 21st; Williamson, 20th.

Thunderstorms: Bruceton Mills, 14th; Elkins and Parsons, 31st.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity: Miles per hour	Max. velocity: Direction	Max. velocity: Date
Cincinnati, Ohio	30.15	84	68	70	141.5	48	7,016	9.4	39	sw.	8
Columbus, Ohio	30.12	83	74	74	86.4	30	8,869	11.9	40	w.	30
Elkins	30.17	83	74	79	93.0	32	5,068	6.8	36	nw.	14
Lexington, Ky	30.18	86	72	....	120.2	41	10,821	14.5	50	nw.	13
Parkersburg	30.16	81	68	70	76.4	26	5,306	7.1	36	sw.	8
Pittsburgh, Pa	30.12	77	74	74	63.6	22	10,262	13.8	47	sw.	8
Wytheville, Va	30.15	80	62	71	150.0	50	5,414	7.3	40	w.	31

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	40.9	75	6	3.27	......	......	......	......	......	......	......
1892	34.1	72	−10	2.91	......	......	......	8	......	......	......
1893	37.1	76	7	2.05	3.73	0.56	......	9	10	8	13
1894	36.3	80	−29	4.04	6.56	1.71	......	9	11	7	13
1895	36.9	72	−6	2.87	4.14	1.85	7.1	9	8	9	14
1896	35.3	67	2	1.68	2.88	0.57	......	6	12	9	10
1897	37.3	72	−4	4.00	6.79	2.05	......	13	6	9	16
1898	33.4	69	−12	2.66	4.23	0.71	7.0	10	12	8	11
1899	33.3	77	−17	2.81	4.46	1.22	3.9	10	11	8	12
1900	34.6	66	3	2.26	3.45	1.32	1.0	7	11	7	13
1901	32.3	75	−9	5.84	8.97	3.57	3.8	11	7	8	16
1902	33.9	70	−2	5.33	9.95	2.01	9.4	14	5	7	19
1903	26.5	59	−11	2.00	4.43	0.30	7.8	8	12	8	11
1904	32.8	71	−20	3.12	5.91	1.63	9.8	10	8	7	16
1905	35.6	70	3	3.11	5.24	1.30	3.4	9	11	6	14
1906	35.9	70	−1	4.73	11.15	1.83	6.2	14	5	6	20
1907	35.5	70	−2	3.36	9.31	0.70	5.2	12	9	8	14
1908	36.4	73	5	3.03	7.36	1.06	6.0	10	9	8	14
1909	28.8	78	−10	2.55	6.00	1.16	10.9	10	9	8	14
1910	28.4	72	−8	2.72	6.90	1.00	14.6	12	7	7	17
1911	39.3	74	4	3.27	5.58	1.25	1.6	12	9	5	17
1912	35.8	76	−6	2.88	5.55	1.45	7.1	10	12	7	12
1913	36.4	68	3	2.82	3.81	1.10	2.9	8	9	8	14
1914	30.3	70	−20	5.46	8.04	2.58	12.5	16	7	4	20
1915	32.8	68	0	4.35	7.19	1.35	7.6	11	5	7	19
1916	32.8	77	−18	3.33	6.38	0.85	10.6	10	13	7	11
1917	24.3	67	−37	1.51	3.32	0.47	11.8	8	11	6	14
1918	41.0	74	0	4.41	8.14	2.70	3.2	12	8	6	17
1919	30.4	72	−15	4.07	7.35	1.17	7.8	9	10	6	15
1920	35.6	70	0	2.55	5.13	1.32	3.7	10	6	7	18
1921	37.0	79	0	4.25	7.51	1.11	7.5	11	7	7	17
1922	36.6	75	2	4.71	7.27	1.03	3.6	11	10	5	16
1923	43.1	78	0	5.82	10.96	1.00	2.4	14	11	5	15
1924	33.1	83	−8	2.58	5.69	0.58	1.7	10	10	6	15
1925	32.5	75	−8	1.20	3.42	0.38	2.7	7	10	6	15
1926	33.9	72	−14	5.10	10.57	1.65	2.5	15	6	4	21
1927	34.4	78	−6	3.72	6.78	0.42	3.8	12	9	5	17
1891-1927	34.4	83	−37	3.42	11.15	0.30	6.1	10	9	7	15

Climatological Data for December, 1927

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	26	29.8	+ 1.3	69	1	− 6	25	43	6.78	+2.81	1.29	15.0	16	7	7	17	sw.	U. G. Clark
Brandywine	Pendleton	1,586	11	32.4	− 1.7	57	1	5	25	31	1.60	−0.24	0.50	T	6	14	3	14	n.	Elmer Keister
Harpers Ferry	Jefferson	244	38	...	...	...	...	...	...	...	2.91	+0.62	1.05	1.5	8	...	...	...	...	J. C. Newcomer
Martinsburg	Berkeley	435	35	35.0[a]	+ 2.3	76[a]	14	10	10	42[a]	2.63	−0.40	0.65	T.	13	19	7	5	w.	Dr. H. S. Gardner
Moorefield[a]	Hardy	900	31	37.0	+ 3.9	73	14	7	25†	43	0.62	−1.58	0.25	0.8	5	21	5	4	...	M. S. Henkel
Piedmont	Mineral	1,053	14	33.2	+ 0.4	70	14	8	9	38	1.46	−1.04	0.49	4.0	8	7	4	20	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	29	32.0[c]	0	71[c]	12†	7[b]	25†	44[c]	0.61	−1.81	0.43	...	4	8	8	15	...	George E. Bergdoil
Stony River Dam	Grant	3,300	7	...	...	...	...	...	...	...	4.46	...	1.38	8.0	15	5	4	22	w.	A. C. Becker
Upper Tract	Pendleton	1,230	28	35.4[b]	+ 1.9	70[c]	1†	6[b]	25	39[b]	0.75	−1.23	0.40	1.0	4	10	0	21	...	J. M. Mallow
Wardensville	Hardy	1,200	9	32.8[a]	...	72[a]	12	0	26	61[a]	0.42	...	0.16	3.5	5	14	12	5	...	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	3	...	...	...	...	...	...	...	3.85	...	0.89	3.0	16	6	7	18	w.	L. Else Bond
Alma (near)	Tyler	...	0	...	...	...	...	...	...	...	3.77	...	0.70	4.2	15	5	6	10	...	D. N. Furbee
Bens Run	Pleasants	652	25	35.5	+ 2.1	71	1	8	9	39	4.29	+0.53	0.80	6.0	12	6	8	17	...	J. D. Riggs
Benson	Harrison	1,080	4	35.2[c]	...	74	1	4[c]	26	45[c]	4.30	...	0.90	4.5	16	6	10	15	...	R. D. Marts
Brownsville	Lewis	1,032	4	35.0	...	73	1	5	26†	40	4.36	...	0.78	4.2	15	7	4	20	...	George M. Myers
Bruceton Mills	Preston	1,549	7	...	...	...	...	...	...	...	3.95	+0.35	0.60	15.5	11	2	7	22	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	30	35.2	+ 2.2	70	1	7	9	40	5.12	+1.08	0.86	5.0	14	7[a]	4[a]	19[a]	...	H. A. Darnall
Cairo	Ritchie	680	28	34.0	+ 0.1	69	13	7	19†	42	4.04	+0.28	0.80	3.0	14	9	3	19	...	O. C. Hess
Clarksburg	Harrison	1,015	5	33.6	...	69	13	7	9†	48	3.42	...	1.37	1.0	15	6	5	20	w.	Clarksburg Water Board
Cortland	Tucker	3,300	16	...	...	...	...	...	...	...	4.17	+0.66	1.49	9.0	8	2	17	12	...	G. W. Harmon
Crawford	Lewis	1,107	4	...	...	...	...	...	...	...	4.02	...	0.83	2.9	16	7	6	18	nw.	George W. Blair
Creston	Wirt	640	25	36.7	+ 0.8	72	14	7	26	42	3.95	+0.62	1.00	3.0	11	7	0	24	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	6	...	...	...	...	...	...	...	3.52	...	0.89	...	13	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	11	...	...	...	...	...	...	...	4.34	+1.32	1.05	...	13	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	11	...	...	...	...	...	...	...	3.82	+0.52	0.95	...	17	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	6	...	...	...	...	...	...	...	3.67	...	0.97	1.0	13	...	...	...	...	Lockmaster
Davis	Tucker	3,093	18	...	...	...	...	...	...	...	6.04	+1.20	1.73	9.1	17	6	6	19	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	15	...	...	...	...	...	...	...	3.59	+0.28	0.98	3.0	11	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	26	32.6	− 0.1	68	13	4	19	50	3.43	+0.01	0.77	2.6	19	5	6	20	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	2	...	...	...	...	...	...	...	4.42	...	1.26	8.2	18	3	6	22	n.	Claude A. Cunningham
Fairmont	Marion	883	21	33.8	+ 0.3	68	13	7	9	45	3.41	+0.02	1.05	1.5	12	7	5	19	w.	J. C. Robinson
Glenville	Gilmer	738	33	36.2	+ 1.2	72	1†	6	26	47	4.69	+1.00	1.24	4.5	18	2	10	19	w.	Howard R. Brannon
Grafton	Taylor	1,000	34	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	T. D. Smith
Horner	Lewis	1,041	4	...	...	...	...	...	...	...	3.93	...	0.97	6.0	11	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	2	...	...	...	...	...	...	...	4.21	...	0.59	9.4	14	8	0	23	sw.	J. W. White
Janelew (near)	Lewis	1,020	4	35.0	...	72	1	5	9	46	3.60	...	0.90	1.5	9	16	0	15	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	29	34.0	+ 0.2	67	1	6	9†	43	4.39	+0.90	1.03	2.8	13	6	2	23	w.	Allen Smith
Mannington	Marion	985	24	33.8	+ 1.3	70	1	7	9	37	4.33	+0.81	0.96	3.1	17	9	1	21	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	34	33.8	0	70	1	5	9	40	3.16	+0.11	0.52	3.0	10	0	7	24	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	29	31.0[a]	+ 0.2	65[a]	13	4	19	39[a]	5.15	+2.44	1.67	5.0	14	8	2	21	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	33	35.7	+ 0.9	74	1†	5	9	50	4.65	+1.09	0.95	3.0	10	3	5	23	s.	Wm. Ankrom
Parkersburg	Wood	638	40	36.0	+ 0.8	70	13	10	9	48	3.61	+0.87	1.22	1.9	14	6	4	21	sw.	U. S. Weather Bureau
Parsons††	Tucker	1,649	27	...	...	...	...	...	...	...	5.43	...	...	...	...	5[b]	3[b]	21[b]	...	J. W. Swisher
Parsons No. 2	Tucker	...	1	...	...	...	...	...	...	...	4.66	+0.87	1.47	4.0	15	8	7	16	...	Robert T. Deem
Philippi	Barbour	1,550	30	37.9[c]	+ 4.6	69[c]	1	...	...	...	4.56	+0.73	...	5.0	...	3[g]	4[g]	17[g]	w.	Prof. Elwyn F. Chase
Pickens	Randolph	2,697	24	28.6	− 3.5	63	13	− 3	9†	47	5.01	−0.19	1.00	17.0	12	6	6	19	w.	Dr. J. C. Cunningham
Roanoke	Lewis	1,050	4	...	...	...	...	...	...	...	3.58	...	0.78	5.5	13	6	4	21	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	40	...	...	...	...	...	...	...	5.78	+1.91	1.73	3.5	20	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	18	...	...	...	...	...	...	...	4.08	+0.58	1.09	...	15	...	...	...	...	Wm. Hughes
Smithfield	Wetzel	850	21	...	...	69	13	...	...	...	2.08	−2.00	1.16	3.0	9	7	9	15	...	Everett V. Price
Terra Alta	Preston	2,559	26	29.8	− 0.2	70	1	0	9	48	5.10	−0.06	1.20	7.1	19	4	4	23	sw.	J. J. Shanahan, E. M.
Valley Chapel††	Lewis	1,011	4	34.9	...	65	6†	8	9†	45	3.72	...	1.00	2.7	14	8	5	18	w.	J. C. Campbell
Vandalia††	Lewis	1,120	4	...	...	...	...	...	...	...	2.92	...	1.28	...	4	...	...	...	...	Creed H. McCue
Wellsburg	Brooke	668	26	33.0	+ 2.0	65	14	7	9	44	5.06	+2.04	1.75	T.	13	5	5	21	w.	George P. Pfister
West Milford	Harrison	979	2	...	...	...	...	...	...	...	4.15	...	0.86	2.0	8	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	32	38.0	+ 3.0	64	13†	9	9	45	4.15	+0.45	1.10	4.0	12	6	10	15	...	Weston State Hospital
Wheeling	Ohio	645	40	31.3[a]	+ 0.6	66[a]	13	5	9†	47[a]	4.83	+1.82	1.04	5.5	15	9	3	19	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	...	...	...	...	...	...	...	...	5.30	...	1.38	4.5	19	18	4	9	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	...	...	...	...	...	...	...	...	3.61	...	0.74	1.5	12	13	4	14	w.	H. S. Sutton
Bancroft	Putnam	574	23	32.8[b]	− 2.1	...	...	7	9	41[b]	2.94	−0.41	0.80	1.5	9	16	0	15	ne.	R. E. Dent
Bluefield[c]	Mercer	2,558	32	36.3	+ 1.1	69	13	4	9	37	3.21	+0.50	0.87	3.5	11	7	12	7	...	Norfolk & Western R
Camden-on-Gauley††	Webster	2,029	12	...	...	...	...	...	...	...	3.25	...	1.20	...	3	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	24	36.8	− 3.1	74	13	10	9†	47	3.17	−0.36	0.55	1.0	10	12	0	19	...	R. O. Fields
Clay	Clay	706	13	...	...	...	...	...	...	...	4.12	+0.01	1.11	3.0	16	...	...	...	...	Chilton Wilson
Dam 6 G. K.††	Kanawha	598	...	...	...	...	...	...	...	...	1.90	...	0.58	...	7	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	11	...	...	...	...	...	...	...	4.08	+0.66	1.32	...	13	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	11	...	...	...	...	...	...	...	3.66	+0.12	1.10	...	13	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	...	...	...	...	...	...	...	...	3.51	...	0.92	4.2	15	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	11	...	...	...	...	...	...	...	3.12	...	0.80	...	11	...	...	...	...	U. S. Engineer Office
Gary	McDowell	1,426	11	36.0[b]	...	73[b]	13	9[a]	9†	48[c]	3.69	−0.15	0.56	...	14	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	30	35.9	+ 1.0	72	13	12	11	41	3.05	+0.25	0.51	T.	13	12	3	16	...	Mrs. M. L. McClung
Kanawha Falls	Fayette	618	8	...	...	...	...	...	...	...	3.47	...	0.54	...	10	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,336	11	...	...	...	...	...	...	...	3.94	+0.49	0.70	2.6	18	...	...	...	...	Cabin Creek Con. Coal
Kermit	Mingo	579	1	...	...	...	...	...	...	...	3.58	...	0.65	1.0	11	...	...	...	...	E. B. Kirk
Lewisburg	Greenbrier	2,250	27	34.2	+ 2.0	69	13	5	9	37	3.71	+0.87	0.76	2.0	11	12	5	14	nw.	Geo. T. Argabrite
Logan	Logan	700	24	...	...	...	...	...	...	...	4.39	−0.19	0.73	...	11	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	28	28.2	+ 0.9	62	13	0	9	36	4.78	+1.12	0.82	1.0	14	12	7	12	n.	S. L. Brown
Organ Cave	Greenbrier	...	1	...	...	...	...	...	...	...	2.13	...	0.90	6.0	7	16[a]	1[a]	13[a]	w.	J. J. Hedrick
Point Pleasant	Mason	595	34	35.8	+ 0.6	70	13†	7	20	42	3.77	+0.34	0.80	3.0	12	11	0	20	ne.	Miss Grace E. Henson
Powellton[b]	Fayette	904	33	40.4	+ 3.9	70	13	12	19	46	3.06	0.00	0.80	4.5	7	...	...	...	...	Elkhorn-Piney Coal C
Ravenswood (Dam 22)	Jackson	584	12	37.3	...	78	1	8	9	43	3.96	...	0.90	...	11	6	0	25	nw.	Lockmaster
Robertsburg	Putnam	570	27	33.8	− 0.2	72	13	9	9†	46	2.88	−0.58	0.67	1.0	10	14	0	17	...	M. Frazier
Ryan	Roane	700	24	32.2	− 1.7	69	13†	4	9	43	2.82	−0.63	0.78	3.6	15	8	4	19	...	Wm. E. Ryan
Sharples	Logan	...	7	...	...	...	...	...	...	...	4.23	...	1.46	T.	8	...	...	...	...	R. W. Howard
Sissonville	Kanawha	625	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	J. N. Johnson
Spencer	Roane	789	23	34.6	+ 0.1	72	13	1	26	45	2.72	−0.65	0.82	4.0	10	4	4	23	...	A. M. McKown
Summersville	Nicholas	1,894	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	J. O. Mc Million
Sutton	Braxton	850	21	36.5	+ 2.9	70	1†	9	9†	45	3.98	+0.04	0.85	6.0	12	18	0	13	...	C. B. Eakle
Union[d]	Monroe	2,250	23	36.0	+ 4.1	69	13†	6	9	36	3.93	+1.41	1.15	0.5	11	9	4	14	...	W. M. H. Young
Wayne	Wayne	598	...	...	...	...	...	...	...	...	2.92	...	0.48	1.5	14	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	17	33.8[a]	+ 2.0	74[a]	12	5	26	47[a]	3.18	+0.02	0.60	T.	13	19	7	5	...	H. E. Green
Williamson	Mingo	673	27	35.2[a]	− 1.7	76[a]	13	8	19†	44[a]	3.33	−0.51	0.55	...	12	11	0	20	nw.	A. J. Maynard
State averages and	extremes	...	...	34.4	+ 0.8	78	1	− 6	25	61	3.72	+0.34	1.75	3.8	12	9	5	17	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for December, 1927

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard	Potomac	.75	.06	.41	.03			T.	1.09	.23		T	1.29	.71	.89	T.	T	.23	T	.21	.28	.01								.09	.19	.31	6.78
[illegible]	do	T	.55		.50			T.				.10				T.	.50													.15		.29	1.69
Harpers Ferry	do	.03	.34	.82		1.05			.13				T.	T	.15		.18													T	.21		2.91
Martinsburg	do	T.	.20	.60	.10	.65			.25				.10	.03	.05		.10	.25				T.	T		T.	T.				.15	.16	.16	2.63
Moorefield	do		.10		.06									.20		.25																.03	0.62
Piedmont	do		.48		.18			.12				.01	.23	.38	.02	T.					T.										T	.03	1.16
Romney	do	.03						.12			.06				.09																		0.41
Stony River Dam	do	.16	.05	.08		.08			.60				1.38	.67	.31		.08	.20		.16	.32									.15	.17	.12	4.16
Upper Tract	do		.40		.15								T.				.10			T.	T.										.15		0.70
Wardensville	do	T.	.05	.09		.16	.08	.04																							T	T	0.42
Northern Division																																	
Aberdeen	Monongahela	.22	.77	T.	T.			.05	T.	.01		.37	.89	.53	.19	.06	.23		T.	.02	.07	.01	.01							.07		.35	3.85
Alma (near)	Ohio	.20	.41					.02		.03		.44	.57	.70	.09	.20	.54			.01	.03									.07	.11	.35	3.77
Bens Run	do	.50	.30					.02				.61	.66	.80	.15	.20	.70													.07	.20	.25	4.29
Benson	Monongahela	.11	.60	.01				.08	.07	T.		.42	.90	.85	.15	.06	.25			.01	.11	.08								.03	T.	.36	4.30
Brownsville	do	.18	.78		T			.10	T.	T.		.45	.78	.58	.53	.08	.12	.08	T	.04	.04	.06	T.							.10		.41	4.36
Bruceton Mills	do	T.	.56		T.			.14	T.			.60	.60	.40	.55	T.	.30		T.	.20	.16	T.		T.						T	.08	.36	3.95
Buckhannon	do	.40	.70		T.			.15	.06			.40	.86	.68	.60	T.	.20		T.	.01	.15	T.				.08				.35	T.	.18	5.12
Cairo	Little Kanawha	.19	.43					T.	.06			.80	.45	.67	T.	.23	.65		T.	.05	.03	.02								.02	.62	.12	4.01
Clarksburg	Monongahela	.10	.26	.32					.07			.03	1.37	.52	.18		.09	.08		.01	.01	.05	T.							T.	.02	.31	3.42
Cortland	do							.15				1.40	.85								.32										.45	.20	4.17
Crawford	Little Kanawha	.14	.76			.04		.09	.02			.15	.83	.70	.30	.02	.17			.08	.10	T.	.06				.30	.25		.15	.05	.41	4.62
Creston	Monongahela	.27	.22	.16									1.00	.55	.51		.32	.28		.10		T.		T.						.15		.36	3.95
Dam 10, Mon. R. |||	Ohio	.52	.12	.42					.21				.89	.38	.51		.06	.21		.06										.03	.07	.21	3.52
Dam 12, O. R |||	do	.69		.13					.08			.14	.99	.08	1.05		.77	.28	.01			.01								.08		.63	4.34
Dam 13, O. R |||	Monongahela	.50	.02	.15					.15			.11	.26	.24	.95	.15	.73	.45		.02	.01	.09								.01	.01	.04	3.82
Dam 15, Mon. R. |||	do	.12	.14	.31					.18	T.		.04	.97	.54	.84		.06	.08		.03											.11	.22	3.67
Davis	do	.17	.38	.38	T.	.20			.26	.04			1.73	.87	.35		T.	.41	.06	.17	.18	.14								.43	.12	.20	6.04
Elizabeth (D'm 3 L K)	Little Kanawha	.34	.18									.28	.98	.55	.16		.61	.16		.08		T.		T.						.08		.17	3.59
Elkins***	Monongahela	.03	.66		.15	.02		.09	.01	T.		.32	.42	.53	.28	.03	.18	T.	.04	.04	.05	.01		T.		T.			.02	.16		.39	3.43
Evenwood	do	.04	.16	.08	.27		T.	.08	.03	T.	.10	1.19	1.26	.30	.09	.05	.06	T.	T.	.16	.16	.02	T.	T.						.24		.13	4.42
Fairmont |||	do	.17	.16	.22			.02		.12	T.		.10	1.05	.72	.72		.04	.06		T.	T		T.								.03		3.41
Glenville |||	Little Kanawha	.35	.32	.08		.06			.04	T.		.05	1.24	.66	.41		.12	.23		.12	.06	.11	.12							.26	.04	.41	4.69
Grafton |||	Monongahela																																
Horner	do	.12	.77							.08		.39	.97	.56	.56	.08	.16			.08	.16												3.93
Horton	do	.40	.50	T.	.59				T.	.06		.01	.59	.48	.08	.10	.18	T.		.15	.34		T.	T.						.32		.38	4.21
Janelew (near)	do		.80					.19				.50	.90	.60		.28	.19													.08		.15	3.60
Lost Creek	do	.11	.72		T.			.04	.05	T.		.45	1.03	.87	.20	.03	.26		T.	.05	T.									.04	T.	.51	4.39
Mannington	do	.27	.59					.10	.11	.01		.45	.68	.96	.27	.05	.14		T.	.03	.03	.04								.02	.14	.34	4.33
Morgantown	do	.20	.45		T.			.10	.20	T		.22	.46	.50	.28	T.	.23		T.	T.		T.								T.	T.	.52	3.16
New Cumberland |||	Ohio	.75						.15		T.		.22	.66	.20	1.47		.88	.24	.17	.03	.02									.23	.03	.10	5.15
New Martinsville	do	.20	.35	T.					T.			.70	.75	.95	.40	.20	.70			T.	T.	.20		T.								.20	4.65
Parkersburg***	do		.15					.04	.02			1.12	.11	.95	.08	.27	.55		T.	T.	.01	.01		T.					T.	.04	.12	.16	3.64
Parsons	Monongahela	*	*	*	*	*	*	*	*	*			*	4.25			.04		T.		.04	T.							*	*	*	1.10	5.43
Parsons No. 2	do	.17	.20	.42		.16			.27	T.			1.47	.78	.21		T.	.26		.16	.08	.08								.18	.02	.20	4.66
Philippi	do	.15	.87		T.	.01		.13	T.	*	*	*	*	*	2.05	*	*	*	*	*	1.00									.06		.26	4.56
Pickens	do	.50	.77		.24		.33			.08		.25	1.00	.64			.24			.48	.32	.16										T.	5.01
Roanoke	do	.16	.78							T.		.36	.78	.61		.03	.08			.08	.12	.10	.08							.10		.30	3.58
Rowlesburg |||	do	.21	.04	.75		.05			.31	.02		.02	1.73	.59	.95		.09	.30		.12	.13	.07	.03	.16						.02	.07	.09	5.78
Saint Marys |||	Ohio	.20	.12	.18					.05	.04		.04	1.09	.57	.40		.60	.25		T.		.05								.04	.32	.13	4.08
Smithfield |||	Fishing Creek	.13					.10			T.		.07	1.16	.13	.09	.03		.30		T.	T.									.07			2.08
Terra Alta	Monongahela	T.	.68		.10			.14	T.	.07		.46	1.00	1.20	.65	.04	.30		.04	.04	.05	.03		.01	.01					.07	.02	.19	5.10
Valley Chapel	do	.40		.40				.07	.02	.02		.20	1.00	.71	.16	.06	.07				.12	T.								.03		.48	3.72
Vandalia	do											.64	1.28																	.81	.19		2.92
Wellsburg	Ohio	.64	.09					T.	.09			.62	.15	.34	.62	.13	.15	1.75		.07											.15	.26	5.06
West Milford	Monongahela		.84									.65	.85	.86				.35							.16					.04		.40	4.15
Weston	do	.20	.30										1.10	.65	.60		.10					.10								.10		.30	3.45
Wheeling |||	Ohio	.75	T.	.12	.16				.08			.15	1.04	.22	.87		.70	.55		.01	.02	.08								.05	T.	.03	4.83
Woodlands |||	do	.16	.16	.20					.18	.01		.08	1.38	.36	1.18	.01	.53	.50		.05	.08	.12	.10							.10	.03	.04	5.30
Southern Division																																	
Arbovale	Great Kanawha	.15	.74	.04	.39				.21	T.			.28	.30	.08	.02	.43			T.	T.									.45		.49	3.61
Bancroft |||	do	.22	.19										.80	.62	.22		.32	.12				T.	T.							.10		.35	2.94
Beckley	do																																
Bluefield	do	.17	.87	.12									.53	.04		.48	.56			.04	.06	.06								.28			3.21
Camden-on-Gauley |||	do																																
Charleston |||	do	.38	.28	.25									.38	.55	.20			.30												.25		.50	3.17
Clay |||	do	.37	.38	.39		.02		.01	T.	T.			.42	1.11	.27		.02	.35		.10		.05	.01							.24	.03	.35	4.12
Dam 6 G. K. |||	do																																
Dam 19 O. R. |||	Ohio	.35	.08	.08					.09	T.		.01	1.32	.55	.53	T.	.74	.20		T.		.01								.02	T.	.10	4.08
Dam 20 O. R. |||	do	.40	.12	.08					.12	T.		.02	1.10	.42	.32		.72	.13		T.										.05	.08	.10	3.66
Dam 25 O. R. |||	do	.27	.07	.03					.10				.75	.46	.14		.92	.23	.05		.02	.02	.02	T.	T.					.01		.10	3.51
Dam 26 O. R. |||	do	.15	.12	.10					.05				.80	.75	.20		.65	.10												.05		.12	3.12
Gary |||	Big Sandy	.10	.56	.49	.15	.06			.05				.26	.44	.12	.23	.40	.50												.32		.21	3.69
Hinton |||	do		.48	.51	T.	.41			.08				.12	.20	.08	.06	.46	.18		T.	T.									.25	.01	.18	3.05
Kanawha Falls |||	Great Kanawha	.14	.35	.40		.06							.38	.84	.25			.30												.30		.45	3.47
Layland	do	.19	.37	.50	.05	.04			.01	T.			.29	.70	.53	.01	.04			.37	.01	.04	.01							.39	.02	.37	3.94
Kermit |||	Big Sandy		.65	.25									.56	.25	.15	.35	.22	.15												.45	.30	.25	3.58
Lewisburg	Great Kanawha	.06	.76	.20	.62								.28	.27	.21	.16	.49				T.									.17		.49	3.71
Logan |||	Guyandotte	.17	.40	.37	.47				.10				.43	.73	T.	.55	.05													.65	T.	.47	4.39
Marlinton	Great Kanawha	.10	.82	.05	.32			.45	T.			.08	.32	.28	.06	.38	.44			T.	.05	T.								.66		.74	4.78
Organ Cave	do		.90	.16	.16										T.		.16	T.											.30	.25	.20		2.13
Point Pleasant |||	Ohio	.19	.15	.10					.15			.05	.76	.51	.51		.80	.43												.01		.11	3.77
Powellton	Great Kanawha	.20			.70								.80				.28			.08									.40			.60	3.06
Ravenswood (Dam 22)	Ohio	.35	.11	.20								T.	.90	.55	.60		.60	.25												.05	.05	.30	3.96
Robertsburg |||	Great Kanawha	.20	.21	.14								.06	.67	.63	.15		.47	.10														.25	2.88
Ryan	do	.11	.09	T.				.06	.02	.01		.18	.78	.46	.12		.41				.02	.08							.01	.07		.40	2.82
Sharples |||	Coal River		.38	.79				.07					.52	.94		.08			T.											.82		.63	4.23
Sissonville |||	Great Kanawha																																
Spencer |||	do	.10	.10	.33								.10		.82	.24		.11	.32												T.	.30	.30	2.72
Summersville	Gauley																																
Sutton	do	.40	.85	T.						.08		.25	.75	.35			.16				.08	.08	.08							.30		.60	3.98
Union	do	.03	.75	.32			.04	1.15	.04				.28		.21	.30					T.									.16		.60	3.93
Wayne |||	Big Sandy	.14	.11	.23					.05			.10	.34	.48	.45	.03	.32	.20		.01										.07		.33	2.92
White Sulpr. Spgs |||	Great Kanawha	.35	.55		.04			.50				.12	.23	.28	.09	.30	.05			T.	T.								.05		.60	.02	3.18
Williamson |||	Big Sandy	.16	.55	.36	T.				.02				.52	.36	.42	.20	.02				T.									.32	.18	.22	3.33

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete.

Daily Temperatures for December, 1927

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	69	36	33	28	36	44	52	57	19	43	51	58	63	63	46	45	30	26	23	14	25	28	25	24	36	34	39	42	51	56	61	40.5
	Minimum	26	26	22	14	21	20	24	19	-2	1	24	48	50	42	26	27	12	14	2	7	13	21	14	17	-6	-2	4	8	32	35	34	19.1
Brandywine	Maximum	57	54	48	37	50	48	52	52	25	40	53	53	52	50	48	40	35	35	30	26	32	32	30	30	30	28	32	46	50	52	53	41.9
	Minimum	35	32	29	25	22	20	30	25	6	9	30	40	39	40	30	29	16	20	11	17	25	15	14	9	5	6	8	19	35	32	34	22.8
Martinsburg§	Maximum	66	39	35	30	48	49	57	45	26	43	45	65	72	76	45	42	41	35	28	36	38	45	36	36	35	36	49	48	57	52	....	45.2
	Minimum	39	32	32	23	22	25	27	28	12	10	12	34	40	40	31	34	24	24	15	14	27	32	28	27	16	11	12	12	15	37	37	24.9
Moorfield	Maximum	70	43	38	34	51	43	53	62	37	51	56	71	70	73	56	40	....	38	34	33	45	47	39	37	36	46	52	48	58	64	65	49.7
	Minimum	37	32	32	21	21	20	26	28	9	10	29	51	50	54	30	24	....	23	14	20	27	19	17	17	7	7	9	14	34	23	28	24.4
Piedmont	Maximum	38	36	40	28	38	36	50	58	20	38	44	60	68	70	55	39	32	31	24	25	32	34	30	30	36	36	46	40	48	56	52	41.0
	Minimum	32	30	29	20	24	24	28	20	8	10	27	41	51	40	31	25	21	22	10	18	25	29	24	24	10	10	18	29	35	31	38	25.4
Romney	Maximum	40	37	35	27	47	56	56	22	25	44	45	71	71	42	40	32	37	34	24	33	44	....	37	25	38	47	50	55	....	59	....	41.9
	Minimum	36	32	32	20	21	25	26	20	9	8	10	31	44	40	29	30	21	24	12	18	22	27	....	19	7	7	9	14	15	....	37	22.2
Upper Tract	Maximum	70	67	48	26	35	48	50	46	28	47	58	66	67	69	70	60	40	....	19	25	35	42	42	35	36	38	49	48	47	58	....	47.2
	Minimum	48	30	20	19	18	21	34	26	8	12	33	48	48	48	35	28	20	....	10	16	22	19	18	15	6	8	10	13	19	35	....	23.7
Northern Division																																	
Bens Run	Maximum	71	38	37	36	45	51	58	55	23	51	50	55	67	70	51	49	35	35	34	24	30	36	32	32	30	32	39	54	53	57	56	44.7
	Minimum	32	31	30	26	30	29	37	18	8	15	36	44	50	48	40	26	20	20	9	18	24	15	21	14	16	12	11	20	45	36	35	26.3
Buckhannon	Maximum	70	40	37	35	41	49	58	59	20	47	51	58	66	67	53	54	30	50	21	21	30	32	31	28	31	29	39	49	51	59	58	44.0
	Minimum	34	32	30	27	31	24	31	19	7	11	38	50	56	44	40	27	18	21	8	14	21	27	14	23	13	10	11	19	40	38	36	26.3
Cairo	Maximum	66	37	35	36	46	51	57	62	23	50	52	59	69	64	53	51	33	29	29	24	31	33	31	35	31	30	40	43	54	58	55	44.1
	Minimum	33	33	30	28	24	19	32	20	8	10	34	45	54	44	40	25	16	18	7	17	23	28	14	8	8	7	7	15	37	34	27	24.0
Clarksburg §	Maximum	40	38	35	35	44	52	64	27	22	51	55	63	69	58	55	55	33	23	18	39	30	34	29	31	31	34	46	56	53	64	59	43.3
	Minimum	34	33	30	27	27	20	22	27	7	8	10	37	53	54	40	47	18	20	9	9	16	27	15	16	15	7	7	8	17	38	39	23.8
Creston	Maximum	70	56	41	37	47	52	62	56	58	53	51	60	70	72	57	55	53	35	25	32	35	32	33	37	32	34	45	51	57	61	52	47.7
	Minimum	33	34	30	29	33	20	31	19	8	11	35	45	54	53	40	26	20	20	8	12	20	29	22	9	9	7	8	17	38	35	43	25.7
Elkins	Maximum	38	38	31	37	41	47	58	60	19	49	56	58	68	62	49	53	30	29	18	20	26	29	25	28	34	29	41	52	54	58	59	41.8
	Minimum	31	30	26	26	31	24	34	10	4	8	40	51	58	35	34	20	18	18	5	12	20	17	12	18	11	9	7	16	41	40	17	23.3
Fairmont§	Maximum	40	40	32	37	47	54	64	28	25	53	54	61	68	60	53	53	36	24	19	29	30	33	29	33	36	36	46	54	54	59	60	43.5
	Minimum	33	32	20	26	26	24	25	27	7	8	14	43	52	53	38	46	18	18	9	9	12	23	19	21	13	12	11	11	20	39	41	24.2
Glenville	Maximum	72	39	37	35	49	52	62	62	28	56	51	60	72	71	56	56	38	34	26	21	31	36	32	39	39	40	49	58	56	63	60	47.7
	Minimum	33	33	30	27	28	20	28	20	8	9	35	46	58	53	38	25	19	21	8	15	20	27	17	10	7	6	7	15	38	32	35	24.8
Lost Creek	Maximum	67	35	35	33	44	50	58	60	20	51	50	57	65	65	62	54	33	32	21	18	28	32	30	33	32	34	38	48	53	55	55	43.5
	Minimum	32	32	30	26	30	19	28	19	6	8	35	47	55	37	42	25	18	20	7	15	18	26	15	15	12	6	6	14	40	38	39	21.5
Mannington	Maximum	70	39	36	36	43	50	60	53	20	47	49	57	66	69	52	54	31	31	22	21	30	33	31	29	29	28	38	42	53	58	57	43.0
	Minimum	33	32	29	26	30	19	30	18	7	10	35	44	55	46	34	26	19	19	9	17	21	28	13	15	13	8	8	15	35	34	38	24.7
Morgantown	Maximum	70	36	36	34	43	51	62	44	19	45	50	57	65	68	48	55	29	30	22	20	29	29	28	29	26	27	39	48	54	57	57	42.2
	Minimum	30	30	27	23	30	29	32	16	5	14	37	46	54	41	35	23	17	18	6	15	17	15	23	21	8	10	16	23	45	52	33	25.5
New Cumberland§	Maximum	36	39	33	36	41	49	62	22	22	40	50	62	65	50	50	42	30	20	26	33	31	38	30	28	29	27	40	51	55	56	....	39.8
	Minimum	30	28	28	19	19	22	23	19	5	6	21	35	43	37	33	40	17	15	4	8	19	23	23	21	10	11	13	17	22	35	38	22.1
New Martinsville	Maximum	74	64	59	53	51	52	60	65	22	46	48	55	66	74	61	48	44	48	28	30	30	35	32	35	30	26	42	45	54	58	56	48.1
	Minimum	30	29	27	23	28	19	32	15	5	10	32	42	49	42	36	24	19	17	6	16	20	24	18	11	11	7	7	15	38	33	36	23.3
Parkersburg	Maximum	39	39	34	39	46	52	63	62	23	50	50	62	70	64	55	54	34	27	21	28	31	38	30	31	30	28	42	52	56	60	56	44.1
	Minimum	33	33	29	27	29	27	46	14	10	16	37	48	62	44	43	23	21	20	10	19	28	27	24	16	18	15	15	24	42	42	20	27.8
Parsons	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	31	35	51	40	40	31	21	21	14	10	15	19	26	14	8	9	16	18	31	31	30	24.3
Philippi	Maximum	69	40	34	33	43	52	60	64	....	....	69	....	....	....	....	....	....	....	....	....	....	....	....	....	27	31	45	53	53	59	57	49.3
	Minimum	31	30	27	25	30	28	44	15	15	....	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	11	9	24	42	47	40	26.5
Pickens	Maximum	58	36	31	33	44	53	57	47	28	44	53	57	63	62	48	50	27	26	17	16	24	23	28	28	37	27	34	39	48	54	56	40.3
	Minimum	23	23	20	20	19	30	20	10	-3	-3	34	46	50	32	32	13	9	10	-1	4	12	6	13	13	3	4	3	5	16	35	30	17.0
Terra Alta	Maximum	70	37	35	22	38	45	54	58	24	41	49	54	62	62	42	44	26	23	15	13	24	24	23	20	38	27	31	41	49	54	54	38.7
	Minimum	22	20	21	15	18	20	29	22	0	5	34	47	52	40	29	19	13	14	3	9	13	22	18	16	5	3	14	12	35	39	36	20.8
Wellsburg	Maximum	52	38	36	34	42	46	60	60	18	40	50	55	52	65	63	50	51	34	27	31	28	33	36	34	29	30	27	38	42	54	56	42.3
	Minimum	30	27	28	21	20	18	31	16	7	12	33	35	35	48	41	30	34	19	9	12	19	27	30	26	17	10	9	13	15	37	30	23.8
Weston	Maximum	50	50	45	40	45	50	60	60	30	50	54	60	64	64	62	55	52	42	35	22	30	32	32	31	59	52	45	55	55	60	60	48.4
	Minimum	30	35	30	28	29	23	30	22	9	11	38	50	59	50	40	30	30	21	9	15	18	29	20	15	14	11	10	18	54	48	30	27.6
Wheeling§	Maximum	40	41	34	30	46	50	63	27	24	45	63	64	66	52	52	45	35	21	24	32	32	41	35	32	30	26	42	54	55	55	....	41.9
	Minimum	30	26	25	20	20	20	20	20	5	5	16	30	45	47	34	39	16	13	5	5	9	23	22	19	10	7	12	13	20	30	36	20.7
Southern Division																																	
Bluefield	Maximum	65	40	35	....	46	53	56	57	22	44	....	57	69	65	54	51	32	....	32	16	24	27	32	40	....	....	52	50	57	59	56	45.8
	Minimum	31	31	28	....	23	30	41	22	4	11	....	36	55	50	40	24	12	....	10	8	15	21	22	16	....	....	15	30	44	39	40	26.8
Charleston	Maximum	49	45	36	36	50	55	65	31	30	56	64	68	74	65	56	46	46	33	27	30	38	35	30	42	41	30	49	58	57	64	60	47.3
	Minimum	35	35	32	29	28	27	28	28	10	10	17	45	51	53	42	45	21	21	13	11	11	26	15	15	14	15	13	14	22	38	39	25.9
Gary §	Maximum	45	41	36	40	50	56	64	34	32	55	61	59	73	65	53	52	38	34	18	25	28	31	32	44	....	47	50	55	60	63	....	46.2
	Minimum	36	36	33	30	30	25	25	32	9	9	13	39	52	53	46	47	18	18	12	13	14	25	14	14	14	....	12	12	19	35	35	25.7
Lewisburg	Maximum	65	44	36	36	43	43	53	60	29	43	45	56	69	66	55	48	33	34	33	19	27	35	36	38	40	40	43	47	56	54	59	41.7
	Minimum	32	31	30	24	30	19	28	23	5	8	27	39	52	50	39	24	17	18	9	12	18	21	16	11	9	9	7	13	43	33	35	23.6
Marlinton	Maximum	58	34	34	30	40	40	48	48	22	38	46	54	62	58	38	42	26	24	20	20	24	36	26	24	36	30	38	44	46	48	48	38.1
	Minimum	30	28	24	20	24	16	22	14	0	2	24	38	48	34	32	18	14	12	6	8	14	12	10	8	2	2	2	8	36	30	26	18.2
Point Pleasant	Maximum	60	55	40	40	49	49	60	60	50	44	49	59	70	70	55	55	45	35	35	25	35	40	40	32	34	34	37	50	55	60	55	47.5
	Minimum	30	30	28	25	29	30	40	18	9	12	35	45	55	35	30	24	13	18	9	7	18	20	10	12	15	10	11	20	40	35	30	24.0
Ravenswood	Maximum	78	53	39	38	47	51	58	62	38	56	49	58	66	71	53	52	45	36	30	23	31	33	30	37	35	32	45	60	66	61	57	48.1
	Minimum	35	34	29	28	36	23	44	19	8	13	26	36	56	42	45	27	21	20	9	18	21	28	19	13	15	10	12	21	45	35	32	26.5
Robertsburg§	Maximum	40	38	35	38	48	50	65	23	26	55	58	63	72	60	57	33	37	28	22	35	32	40	30	35	33	33	40	50	60	62	52	43.5
	Minimum	34	34	30	28	27	23	27	21	9	9	20	44	48	52	44	33	19	21	11	11	17	28	19	12	12	9	10	11	18	30	40	24.2
Ryan	Maximum	52	37	33	33	46	50	55	53	23	50	54	57	69	69	53	50	35	30	22	20	29	32	28	32	33	32	36	45	53	60	56	42.8
	Minimum	30	32	28	25	22	16	29	18	4	7	32	44	52	48	40	23	7	15	5	14	20	24	11	7	7	7	6	14	28	28	28	21.6
Spencer §	Maximum	40	39	34	34	47	61	60	27	25	53	65	65	72	60	55	40	26	27	29	30	30	33	30	29	32	36	45	55	56	62	58	43.7
	Minimum	31	32	27	25	27	19	32	22	5	8	25	53	53	54	50	40	18	5	13	19	24	21	20	7	3	1	10	18	45	38	41	25.4
Sutton	Maximum	70	50	47	42	43	51	62	62	31	55	57	60	70	70	56	53	40	40	28	25	39	39	35	35	35	35	42	48	54	59	59	48.1
	Minimum	35	35	32	29	30	22	34	20	9	10	37	45	50	44	40	22	20	19	10	16	21	19	12	15	9	9	9	17	32	34	37	24.9
Union	Maximum	66	45	36	....	41	46	55	58	32	44	....	57	69	69	57	50	32	....	33	21	28	35	36	36	....	39	42	51	56	57	59	46.3
	Minimum	34	32	30	....	24	20	29	30	6	10	....	45	55	51	40	30	17	....	12	12	19	24	15	15	....	9	7	15	43	32	35	25.6
White Sulphur Spgs§	Maximum	40	38	37	48	49	61	39	29	51	56	65	74	61	46	43	38	38	20	27	31	42	32	44	44	46	51	55	58	62	63	....	46.3
	Minimum	32	32	24	25	19	21	27	7	6	9	29	49	53	38	40	17	20	11	11	14	21	13	10	6	6	5	10	34	34	33	8	21.4
Williamson §	Maximum	60	43	42	40	45	52	50	29	40	50	64	59	76	62	60	54	42	38	12	25	32	32	30	36	20	35	43	46	53	51	....	44.0
	Minimum	45	40	34	32	31	32	36	28	10	11	20	33	42	47	52	42	26	18	8	8	9	20	17	16	18	10	10	16	27	40	41	26.4

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 2-10-28—840)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXV PARKERSBURG, W. VA., YEAR, 1927 No. 13

GENERAL SUMMARY

The year 1927 averaged considerably warmer and wetter than usual. The snowfall was much below the normal. The first four and last four months averaged warmer than usual, February and November being exceptionally warm as compared with the State normals for those months. The summer months, or May, June, July, and August averaged cool, being the coolest August of State record.

The precipitation averaged above the normal monthly, except ch, June, and September, the greatest precipitation occur- in April. The precipitation was lightest in March. About -half of the yearly snowfall was received in February.

me and August were decidedly unfavorable for growth, but rm fall fully matured late crops.

The season of growth extended from about April 25 to about October 15 and was somewhat longer than usual.

Cloudiness was in excess. The sunshine at Parkersburg averaged 44 per cent. of the possible amount, or 3 per cent below the normal. The average at Elkins was 42 per cent., or 3 per cent. below the normal.

The wind movement for Parkersburg was 49,713 miles, and at Elkins 46,680.

THE WEATHER BY MONTHS

JANUARY.—The temperature and precipitation for January were practically normal, but the snowfall was somewhat below the normal and there was practically no snow-cover in the agricultural districts, the conditions being rather unfavorable for winter grains. The greatest flood since 1913 passed through the district from the 22d to the 28th. The following crest stages, in feet and tenths, were noted: Wheeling, 41.7; Marietta, 44.0; Parkersburg, 45.5; Point Pleasant, 50.0.

FEBRUARY.—February was exceptionally warm. The lowest temperature recorded was 6°. The precipitation was more than 1 inch above the normal. Unusually heavy snow fell on the 19-20th. The soil was too wet for field work.

MARCH.—March was decidedly warmer than usual, and one of the longest warm periods of March State record prevailed from near the close of the first decade into the last decade, causing a rapid advancement of vegetation and fruit buds. Moderately

Continued on page 51

TEMPERATURE AND PRECIPITATION DATA FOR 1927

Month	Temperature in degrees Fahrenheit				Precipitation in inches				Sky			Prevailing direction of the wind
	Mean	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. Cloudy	Cloudy	
January	32.5	+ 0.4	74	−14	4.05	+0.03	5.9	14	6	5	20	W.
February	40.9	+ 8.5	79	6	4.49	+1.29	11.0	5	7	6	15	W.
March	45.4	+ 2.4	89	5	2.66	−1.24	1.0	9	11	6	14	W.
April	52.0	+ 0.3	91	16	5.93	+2.27	0.2	15	9	7	14	W.
May	62.0	− 0.3	95	21	4.13	+0.04	T	15	10	8	13	W.
June	65.7	− 3.6	99	29	4.08	−0.33	......	11	12	8	10	W.
July	72.3	− 0.5	100	36	5.09	+0.42	......	10	15	9	7	W.
August	67.1	− 4.9	94	34	4.33	+0.22	......	11	12	9	10	W.
September	67.0	+ 1.3	100	24	2.15	−0.94	......	5	19	7	4	W.
October	57.0	+ 2.1	100	21	4.13	+1.03	0.4	8	19	4	8	W.
November	48.1	+ 5.3	82	7	4.35	+1.73	1.6	12	7	7	16	SW.
December	34.4	+ 0.8	78	− 6	3.72	+0.34	3.8	12	9	5	17	W.
Annual	53.8	+ 1.0	100	−14	48.90	+4.86	23.9	127	136	81	148	W.

EVAPORATION

Monthly evaporation (Inches); wind movement (miles)

Name of Station.		Mar.	Apr.	May	June	July	Aug	Sept	Oct.	Nov.
Clarksburg	Evaporation	......	3.364	4.327	4.749	6.154	[illegible]	[illegible]	[illegible]	
	Wind Movement	......	2,152	2,123	1,400	1,342	1,066	846	[illegible]	1,767

Station established June 1, 1923.

Dates on which First and Last Killing Frost Occurred or Minimum Temperature Fell to 32 Degrees

Station	Last in Spring	First in Autumn	Station	Last in Spring	First in Autumn
Bancroft	April 26	Nov. 6	Morgantown	April 23	Oct. 15
Bayard	April 30	Sept. 20	New Cumberland	May 1	Oct. 17
Beckley	April 25	....	New Martinsville	May 1	Oct. 15
Bens Run	April 25	Nov. 6	Parkersburg	April 25	Nov. 26
Benson	May 2	Sept. 22	Parsons	May 1	Oct. 13
Bluefield	April 25	Oct. 15	Philippi	April 22	Oct. 15
Brandywine	May 2	Sept. 22	Piedmont	April 25	Oct. 15
Brownsville	May 2	Oct. 15	Pickens	June 6	Sept. 21
Buckhannon	April 25	Oct. 15	Point Pleasant	April 25	Oct. 22
Charleston	April 25	Nov. 6	Ravenswood	April 25	Oct. 10
Clarksburg	May 1	Oct. 16	Robertsburg	April 25	Oct. 15
Creston	April 25	Oct. 15	Romney	April 25	Sept. 22
Elkins	April 28	Oct. 26	Ryan	May 2	Oct. 15
Fairmont	April 25	Oct. 15	Smithfield	May 1	Nov. 8
Glenville	May 1	Oct. 22	Spencer	May 1	Oct. 15
Grafton	....	Oct. 22	Sutton	April 25	Nov. 4
Hinton	April 25	Nov. 7	Terra Alta	June 2	Sept. 22
Huntington	April 24	....	Union	May 2	Sept. 23
Inwood	April 25	Nov. 7	Upper Tract	April 28	Sept. 22
Janelew	May 1	Sept. 22	Valley Chapel	May 1	Oct. 22
Lewisburg	May 2	Sept. 24	Wardensville	....	Sept. 22
Lost Creek	May 2	Sept. 22	Wellsburg	May 1	Oct. 15
Mannington	May 1	Oct. 15	Weston	May 2	Oct. 23
Marlinton	May 2	Sept. 22	Wheeling	April 25	Oct. 17
Martinsburg	May 1	Sept 22	White Sulphur Springs	May 1	Oct. 22
Moorefield	April 25	Sept. 22	Williamson	....	Nov. 6

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Precipitation			Number of days			
	State mean	Highest	Lowest	State average	Greatest local amount	Average snowfall	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	......	......	45.96	......	......	......	......	......	......
1892	52.1	99	−12	38.33	7.20	......	.....	.....	.....	......
1893	52.0	99	−25	39.82	7.85	......	116	......	......	......
1894	53.5	103	−29	34.52	7.48	......	102	155	114	96
1895	51.5	107	−21	32.82	7.69	......	100	150	111	104
1896	53.6	97	−10	43.49	15.70	......	111	132	128	106
1897	53.5	103	−18	41.59	8.42	......	116	141	113	111
1898	54.8	103	−13	47.61	11.57	20.6	117	133	129	103
1899	53.2	100	−35	40.97	8.64	36.1	108	142	107	116
1900	54.1	104	−11	37.62	9.00	30.6	114	135	116	114
1901	52.1	104	−11	44.78	11.10	28.2	116	128	95	142
1902	52.8	104	−14	42.19	9.95	49.1	112	128	118	119
1903	52.0	105	−19	40.55	12.30	29.8	112	151	102	112
1904	50.9	98	−20	33.33	8.29	31.7	111	148	110	108
1905	52.3	100	−22	45.53	10.64	35.3	117	144	102	119
1906	54.0	101	−11	44.36	11.15	40.2	130	134	104	130
1907	51.7	98	−23	52.15	13.36	35.0	138	128	102	135
1908	53.7	101	−16	40.47	11.45	38.0	116	155	110	101
1909	53.0	101	−10	43.02	10.50	30.3	126	143	109	113
1910	52.3	98	−11	38.60	13.16	47.4	118	140	103	122
1911	54.6	106	− 5	47.13	12.63	23.2	131	140	97	128
1912	51.7	100	−34	43.78	14.02	33.9	124	159	81	125
1913	53.9	103	− 4	49.02	10.53	31.6	122	162	79	124
1914	52.3	106	−22	39.71	10.05	67.7	116	153	81	131
1915	52.8	101	− 8	43.76	11.38	29.4	125	146	84	135
1916	52.6	104	−18	44.63	10.79	43.9	121	157	92	117
1917	49.9	104	−37	44.33	14.20	54.6	123	153	74	128
1918	53.2	110	−27	44.77	10.28	37.7	122	160	83	122
1919	54.0	104	−16	47.27	13.08	16.8	118	164	78	123
1920	52.0	99	−11	41.62	9.70	25.7	120	147	75	144
1921	55.6	101	−10	45.45	10.67	22.4	122	145	93	127
1922	54.1	100	−15	41.57	8.19	25.8	117	164	68	133
1923	52.7	102	−20	46.03	12.42	23.9	125	161	73	131
1924	50.5	104	−16	47.84	10.88	36.1	129	154	79	133
1925	53.2	104	−27	41.20	13.08	31.1	124	147	85	133
1926	51.6	107	−23	49.60	15.36	49.4	139	126	81	158
1927	53.8	100	−14	48.90	12.40	26.6	135	138	77	150
1891–1927	52.8	110	−37	43.09	15.70	34.4	120	146	96	123

(WBO, Cleveland, 3-12-28—950)

CLIMATOLOGICAL DATA FOR THE YEAR 1927

Stations	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number rainy days	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall		Number clear days	Number partly cloudy days	Number cloudy days	
PANHANDLE DIVISION																				
Bayard	Grant	2,375	25	.....	91	Oct. 2	-6	Dec. 25	25	.....	9.93	June	0.97	Sept.	82.5	.....	.....	.....	.....	sw.
Brandywine	Pendleton	1,586	11	51.0	93	Sept. 16	0	Jan. 12†	11	37.10	8.20	Apr.	0.80	Mar.	14.0	93	161	22	182	sw.
Harpers Ferry	Jefferson	244	.....	.....	.....	.....	.....	.....	38	39.44	11.10	Oct.	0.23	Sept.	9.0	105	.....	.....	.....	.....
Inwood	Berkeley	569	5	.....	97	July 13†	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Martinsburg	Berkeley	435	35	53.0	98	July 13†	5	Jan. 27	35	39.32	8.20	Oct.	0.83	Sept.	16.4	134	236	85	44	w.
Moorefield	Hardy	900	31	56.0	100	July 28†	1	Jan. 12	31	30.24	6.05	Oct.	0.41	Sept	24.3	102	300*	26	39*	.....
Piedmont	Mineral	1,053	11	52.5	97	Sept. 15†	3	Jan. 16	11	34.12	6.31	Apr.	0.94	Sept.	18.3	108	136	75	154	nw.
Romney	Hampshire	824	30	53.0	98	Oct. 1	3	Jan. 27	30	27.00	4.93	Oct.	0.61	Dec.	.....	67	.....	.....	.....	.....
Stony River Dam	Grant	3,300	.....	.....	.....	.....	.....	.....	7	46.36	5.37	May	0.76	Sept.	62.5	159	58	88	219	w.
Upper Tract	Pendleton	1,230	28	52.6	93	June 30	3	Jan. 12	28	.....	5.98	Apr	0.10	Jan.	.....	.....	.....	.....	.....	w.
NORTHERN DIVISION																				
Aberdeen	Upshur	1,060	3	.....	.....	.....	.....	.....	3	52.40	6.08	Apr.	1.96	Sept.	22.6	167	93	127	145	w.
Bens Run	Pleasants	622	26	55.2	96	June 30	2	Jan. 16	26	51.92	7.03	Aug.	1.19	Sept.	25.0	125	.....	.....	.....	.....
Benson	Harrison	1,080	3	53.7	94	July 14	-2	Jan. 16	3	50.49	6.92	July	2.37	Sept.	16.9	159	109	154	102	.....
Brownsville	Lewis	1,032	3	.....	.....	.....	1	Jan. 16	3	.....	.....	.....	2.11	Sept.	.....	.....	.....	.....	.....	.....
Bruceton Mills	Preston	1,549	.....	.....	.....	.....	.....	.....	16	64.45	7.73	May	2.85	Sept.	61.2	144	41	160	164	sw.
Buckhannon	Upshur	1,411	31	52.6	88	June 30	-3	Jan. 16	31	59.87	7.50	Apr.	2.39	Sept.	17.0	134	161	59	145*	.....
Cairo	Ritchie	680	27	.....	.....	.....	-2	Jan. 16	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clarksburg	Harrison	1,015	5	53.3	95	July 13	-1	Jan. 16	5	45.85	4.59	July	2.55	Mar.	16.6	154	120	87	158	w.
Cortland	Tucker	3,300	.....	.....	.....	.....	.....	.....	11	55.70	10.21	Apr.	1.75	Sept.	44.9	120	72	188	105	.....
Crawford	Lewis	1,107	4	.....	.....	.....	.....	.....	4	59.54	7.77	July	2.65	Sept.	15.0	157	125	127	113	w.
Creston	Wirt	640	26	55.8	97	July 1	-1	Jan. 16	26	51.50	9.40	July	0.92	Sept.	16.8	126	154	4	207	sw.
Dam 10 Mon. R.	Marion	826	.....	.....	.....	.....	.....	.....	11	46.48	5.42	Oct.	2.04	Sept.	.....	147	.....	.....	.....	.....
Dam 12 O. R.	Ohio	660	.....	.....	.....	.....	.....	.....	11	45.69	6.26	Nov.	1.74	Aug.	.....	144	.....	.....	.....	.....
Dam 13 O. R.	Ohio	655	.....	.....	.....	.....	.....	.....	11	43.74	6.28	Nov.	2.06	Aug.	.....	163	.....	.....	.....	.....
Dam 15 Mon. R.	Monongalia	882	.....	.....	.....	.....	.....	.....	5	47.35	5.87	June	2.39	Mar.	27.0	163	.....	.....	.....	.....
Davis	Tucker	3,093	.....	.....	.....	.....	.....	.....	17	63.78	7.74	May	1.98	Sept.	60.8	184	.....	.....	.....	w.
Elizabeth	Wirt	615	.....	.....	.....	.....	.....	.....	2	46.78	8.71	July	0.49	Sept	16.8	136	.....	.....	.....	.....
Elkins	Randolph	1,947	27	51.0	87	Oct. 2	-2	Jan 16	27	57.68	7.35	July	2.81	Mar.	28.0	186	52	119	194	w.
Evenwood	Randolph	3,240	.....	.....	.....	.....	.....	.....	2	.....	7.22	Apr.	3.07	Sept	44.5	.....	.....	.....	.....	.....
Fairmont	Marion	883	22	54.3	99	July 13	....	.....	35	47.33	7.17	June	2.55	Mar.	27.3	129	.....	.....	.....	w.
Glenville	Gilmer	738	34	56.6	96	June 30†	-1	Jan. 16	40	56.95	7.57	July	2.05	Mar.	11.0	161	135	98	132	w.
Horner	Lewis	1,044	.....	.....	.....	.....	.....	.....	4	.....	.....	.....	.....	.....	19.2	.....	.....	.....	.....	.....
Horton	Randolph	2,840	.....	.....	.....	.....	.....	.....	2	52.28	7.00	Apr.	1.72	Sept.	65.7	145	150	25	210	w.
Janelew (near)	Lewis	1,020	4	51.7	99	July 21	-2	Jan. 16	4	52.39	6.40	Apr.	2.00	Mar.	14.0	165	202	51	112	sw.
Lost Creek	Harrison	1,026	30	53.0	94	July 13†	-4	Jan. 16	30	48.65	6.22	July	2.46	Mar.	17.1	139	120	79	166	w.
Mannington	Marion	985	25	52.6	91	June 30†	1	Jan. 16	25	51.70	5.44	Apr.	2.78	Mar.	31.8	177	135	73	157	w.
Morgantown	Monongalia	1,250	35	54.0	98	July 13	5	Jan. 17†	53	44.92	5.99	Nov.	1.97	July	21.0	105	52*	144*	169*	s.
New Cumberland	Hancock	671	30	50.9	95	July 13	1	Jan. 17	30	46.66	6.88	Nov.	1.93	Sept.	29.1	168	111	50	204	s.
New Martinsville	Wetzel	634	34	54.5	96	July 13	-1	Jan. 16	34	47.60	6.00	Nov.	1.75	Sept.	15.0	115	139	75	151	s.
Parkersburg	Wood	638	39	55.3	94	July 13	0	Jan. 16	39	40.29	5.59	Nov.	0.67	Sept	15.0	157	105	73	187	se.
Parsons	Tucker	1,649	28	.....	93	July 12	0	Jan. 16	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Parsons (No. 2)	Tucker	1,649	.....	.....	.....	.....	.....	.....	1	61.73	7.14	Aug.	2.77	Sept.	29.1	162	.....	.....	.....	.....
Philippi	Barbour	1,550	31	.....	.....	.....	-2	Jan. 16	34	.....	.....	.....	.....	.....	26.5	.....	.....	.....	.....	w.
Pickens	Randolph	2,697	25	48.6	89	Oct. 2	-14	Jan. 16	37	78.16	10.20	Apr.	2.52	Sept.	92.0	153	.....	.....	.....	w.
Roanoke	Lewis	1,050	.....	.....	.....	.....	.....	.....	4	55.80	6.96	Apr.	2.55	Mar.	26.7	149	145	85	132	.....
Rowlesburg	Preston	1,375	.....	.....	.....	.....	.....	.....	42	65.48	6.93	May	1.94	Sept	.....	163	.....	.....	.....	.....
Saint Marys	Pleasants	577	.....	.....	.....	.....	.....	.....	18	50.89	7.61	Nov.	1.09	Sept.	.....	143	.....	.....	.....	sw.
Smithfield	Wetzel	850	22	.....	99	July 1	-1	Jan. 16	22	39.46	5.08	Nov.	1.19	Sept.	29.2	120	131	116	118	.....
Terra Alta	Preston	2,559	28	48.5	86	July 1†	-4	Jan. 16	28	58.18	6.21	May	0.80	Sept.	39.3	185	71	84	210	sw.
Valley Chapel	Lewis	1,011	4	55.3	95	June 30	-1	Jan. 16	4	49.83	5.72	July	2.45	Sept	17.2	135	183	52	130	w.
Vandalia	Lewis	1,120	.....	.....	.....	.....	.....	.....	4	.....	.....	.....	1.63	Mar.	.....	.....	.....	.....	.....	.....
Wellsburg	Brooke	668	27	52.0	95	June 30†	0	Jan. 16	35	48.10	6.89	Nov.	1.93	Sept.	18.2	130	143	89	133	w.
West Milford	Harrison	979	.....	.....	.....	.....	.....	.....	1	.....	7.09	July	2.79	Mar.	....	.....	.....	.....	.....	.....
Weston	Lewis	1,026	32	55.5	93	June 30	0	Jan. 16	35	54.97	8.55	July	2.10	Mar.	.....	110	67	231	67	.....
Wheeling	Ohio	645	41	52.4	100	Sept. 15	0	Jan. 16†	43	45.80	6.31	Nov.	2.39	Aug.	32.2	149	135	105	125	sw.
Woodlands	Marshall	637	.....	.....	.....	.....	.....	.....	1	51.89	6.69	July	1.51	Aug.	23.5	154	177	79	109	sw.
SOUTHERN DIVISION																				
Arbovale	Pocahontas	2,734	.....	.....	.....	.....	.....	.....	3	43.27	6.85	Apr.	1.15	Sept.	20.5	138	151	81	133	w.
Bancroft	Putnam	574	24	55.4	95	June 30†	-4	Jan. 16	24	45.37	6.00	Apr.	1.57	Sept.	9.7	132	204*	0	161*	ne.
Bluefield	Mercer	2,563	32	55.3	89	July 1†	-2	Jan. 17	32	.....	6.71	Apr.	0.54	Sept.	21.7	111	.....	.....	.....	.....
Camden-on-Gauley	Webster	2,029	.....	.....	.....	.....	.....	.....	10	.....	4.95	Oct.	.....	.....	.....	.....	.....	.....	.....	.....
Charleston	Kanawha	600	24	56.4	96	July 16†	-2	Jan. 16†	42	48.90	6.83	Apr.	1.88	Sept.	8.5	149	157	0	205	.....
Clay	Clay	706	.....	.....	.....	.....	.....	.....	11	.....	.....	.....	2.63	Mar.	.....	.....	.....	.....	.....	.....
Dam 6 G. K.	Kanawha	598	.....	.....	.....	.....	.....	.....	2	46.44	7.29	Aug.	1.90	Sept.	.....	124	.....	.....	.....	.....
Dam 19 O. R.	Wood	600	.....	.....	.....	.....	.....	.....	10	44.72	6.65	Nov.	1.37	Sept.	.....	151	.....	.....	.....	.....
Dam 20 O. R.	Wood	600	.....	.....	.....	.....	.....	.....	10	48.18	6.01	Nov.	1.52	Sept.	.....	153	.....	.....	.....	.....
Dam 26 O. R.	Mason	564	.....	.....	.....	.....	.....	.....	11	43.44	5.31	Jan.	1.14	Oct.	.....	138	.....	.....	.....	.....
Gary	McDowell	1,426	9	55.8	92	Sept. 18	0	Jan 16	10	44.14	6.42	Apr.	0.76	Sept.	.....	154	.....	.....	.....	.....
Hinton	Summers	1,431	31	56.2	96	July 13	0	Jan. 16	32	42.48	6.24	Apr.	1.78	Mar.	.....	131	82*	76*	207*	.....
Kanawha Falls	Fayette	618	.....	.....	.....	.....	.....	.....	10	52.45	8.02	Apr.	1.91	Sept.	.....	125	.....	.....	.....	.....
Kayford	Kanawha	1,335	.....	.....	.....	.....	.....	.....	10	58.12	8.31	July	2.27	Sept.	32.6	181	.....	.....	.....	.....
Kermit	Mingo	579	.....	.....	.....	.....	.....	.....	2	46.57	6.67	Apr.	2.61	Oct.	12.0	109	.....	.....	.....	.....
Lewisburg	Greenbrier	2,250	27	52.4	88	July 1	-2	Jan. 16	35	44.07	6.64	Apr.	1.53	Jan.	22.0	128	154	73	138	nw
Logan	Logan	700	21	.....	.....	.....	.....	.....	23	50.37	7.96	Apr.	2.67	Sept.	.....	109	.....	.....	.....	.....
Marlinton	Pocahontas	2,131	28	48.3	88	June 30	-4	Jan. 16	28	51.23	7.84	Apr.	1.29	Sept	16.0	148	68	200	97	sw.
Organ Cave	Greenbrier	2,225	.....	.....	.....	.....	.....	.....	2	40.48	7.95	Apr.	1.25	Mar.	25.0	103	157	43	165*	w.
Point Pleasant	Mason	595	34	55.4	100	July 1†	-2	Jan. 16	37	51.71	6.42	Apr.†	1.73	Sept.	14.3	139	155	10	200*	sw.
Ravenswood (Dam 22.)	Jackson	584	4	55.0	96	June 30†	-5	Jan. 16	12	49.18	6.89	July	1.15	Sept.	.....	130	142	0	225*	nw.
Robertsburg	Putnam	570	27	54.3	96	July 12	-4	Jan. 16†	27	43.65	5.64	Jan.	1.42	Sept.	10.0	146	179	0	186	.....
Ryan	Roane	700	24	52.4	95	July 1†	-13	Jan. 16	24	54.83	7.41	July	2.22	Mar.	21.9	161	124	76	165	.....
Sharples	Logan	889	.....	.....	.....	.....	.....	.....	7	51.61	8.05	Apr.	1.73	Sept.	.....	95	.....	.....	.....	.....
Spencer	Roane	784	22	53.7	93	July 1†	-10	Jan. 16	29	41.03	5.83	Jan.	1.76	Mar.	16.0	123	82	138	145	.....
Sutton	Braxton	850	23	54.5	96	Sept. 16†	-4	Jan. 16	23	69.05	12.40	July	3.04	Mar.	27.0	142	219	0	146	.....
Union	Monroe	2,250	23	55.2	93	July 1	-4	Jan. 12	23	40.67	7.20	Apr.	1.48	Mar.	14.9	125	.....	.....	.....	.....
Wayne	Wayne	598	.....	.....	.....	.....	.....	.....	2	46.04	6.50	Apr.	2.01	Oct.	.....	135	.....	.....	.....	.....
White Sulphur Springs	Greenbrier	1,914	17	54.1	97	July 12†	-2	Jan. 11	17	39.22	6.23	Feb.	1.21	Mar.	12.0	145	229	87	49	.....
Williamson	Mingo	660	27	59.0	97	July 13	7	Jan. 16	27	44.08	6.28	Apr.	1.04	Sept.	.....	117	199	1	165	sw.
State averages and extremes		.....	.....	53.8	100	July 1†	-14	Jan. 16	.....	48.89	12.40	July	0.10	Jan.	26.4	139	137	78	150	w.

* 1 day interpolated from nearby stations

† And other dates

[Continued from page [illegible]]

cold weather prevailed during the last decade. It was the dryest March since 1915. Farm work progressed rapidly.

APRIL. With the exception of April in 1901, the past month was the wettest of April State record. Moderate rain was more or less general on twenty days. The soil was too wet for field operations. Killing frosts and freezing temperature on the mornings of the [illegible], 28th, and 29th caused great damage to fruit and apple bloom. The damage to stone fruits was especially severe.

MAY. May was characterized by a long period of unfavorably cool weather and by too much rain over large portions of the State. Freezing temperature at the beginning of the month caused great damage to fruit, especially in valley orchards. Rains and cool weather greatly retarded farm work. Meadows and pastures, however, were generally good to excellent.

JUNE. June was exceptionally cool. Until the 28th the month was nearly continuously cool, the temperature being only slightly above the normal for five or six days in that period. Light to heavy frosts occurred in some of the mountain regions, and freezing temperature was noted at Bayard, Davis, Pickens and Terra Alta. High temperature prevailed during the last two days. The precipitation was somewhat below the normal.

JULY. July was slightly cooler and somewhat wetter than usual. Heavy to excessive rain occurred in many localities of the central and northern counties on the 7th and 22d, causing much damage to crops on creek bottoms. Good yields of wheat and hay were secured under favorable conditions.

AUGUST. With a mean temperature of 67.1°, August in 1927 was not only the coolest August of State record but had a temperature average 1.8° below the cool August in 1922. Light frosts were noted in sections of the northern mountain counties on the 10th, 16th, 20th, 25th, and 26th, but no damage resulted. The month was exceptionally unfavorable for growth and farm work.

SEPTEMBER. September was a pleasant month with the temperature somewhat above the normal and the rainfall considerably below. Light to heavy frosts occurred on the mornings of the 21st, 22d, and 23d, but heavy fogs [illegible] kept the frosts from doing much damage. The conditions were exceptionally favorable for the ripening of corn.

OCTOBER. October was also exceptionally pleasant and favorable for the ripening of corn and other late crops. While freezing temperature and killing frosts occurred in most sections on the 14th, the corn crop was not damaged. The rainfall averaged more than one inch above the normal.

NOVEMBER. November was exceptionally cloudy, warm and wet. At some stations in the central and western counties the rainfall was the heaviest of November State record. The last decade was especially pleasant.

DECEMBER. The temperature and precipitation for December were near the normal. Heavy rains in Pennsylvania and Ohio caused a moderate flood in the Ohio River. The following crest stages, in feet and tenths, were noted: Wheeling, [illegible]; Marietta, [illegible]; Parkersburg, 41.9; Dam 19, 42.7; Dam 20, 43.0; Dam 22, 46.1; Dam [illegible], [illegible]; Point Pleasant, [illegible]; Huntington, 47.0. Much hay, corn fodder, and corn were lost from the fields along the river.

ERRATA

The following data should be substituted for those published:

February, 1927, report.—Page 6: Organ Cave, greatest 24-hour precipitation, [illegible]. Williamson, character of weather, 11 clear, 1 partly cloudy and 16 cloudy.

March, 1927, report.—Page 10: Jane Lew, lowest temperature, 12° on 5th.

May, 1927, report.—Page 18: Terra Alta, total precipitation, 6.21 inches. Glenville, character of weather, clear 10 days, cloudy 6 days. Page 19: Terra Alta, precipitation on 15th, .65. Total precipitation for Terra Alta, 6.21 inches.

Monthly and Annual Mean Temperatures for the Year 1927, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
PANHANDLE DIVISION																										
Bavard	29.2	+1.2	36.9	+9.5	39.0	-1.3	...	...	...	...	60.6	-2.7	66.8	-0.8	63.9	-5.1	[e]62.3	+2.3	52.6	+3.8	43.6	+5.4	29.8	+1.3	...	...
Brandywine	36.5	0	39.0	+0.2	43.7	+1.3	47.2	-2.6	59.4	+1.3	62.1	-5.8	68.8	-2.1	65.4	-5.1	64.4	+0.4	54.0	+0.6	45.2	+3.2	32.4	-1.7	51.0	-0.9
Burlington	[f]34.9	+4.1	[b]45.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Inwood	...	...	...	...	...	...	[illegible]	...	[a]60.6	...	[a]65.1	...	[a]71.1	...	68.1	...	67.0	...	[f]57.4	...	[f]46.8	...	...	...	...	...
Martinsburg	[a]31.1	+0.6	[a]37.5	+7.0	[a]44.5	+3.6	[illegible]	-3.0	[a]61.2	-1.9	66.2	-4.4	[e]71.2	-1.2	[illegible]	-3.5	[a]65.0	-1.1	56.0	+1.4	[a]48.2	+5.5	[a]35.0	+2.3	53.0	+0.4
Moorefield	34.1	+2.2	42.0	+9.7	46.9	[illegible]	53.2	-1.6	64.8	+0.5	68.5	-1.1	75.4	+1.2	69.0	-4.3	69.6	+2.9	60.4	+4.8	50.8	+7.1	[a]37.0	+3.9	56.0	+2.5
Piedmont	30.8	+1.1	38.0	+5.7	45.1	+2.8	46.9	-1.5	61.2	+0.4	64.4	-4.4	72.0	+0.1	66.2	-4.2	66.8	+1.7	56.2	+2.7	46.2	+6.4	33.2	+0.4	52.5	+0.9
Romney	[a]30.6	+0.3	[e]38.4	+6.4	[e]44.8	+2.2	[f]49.8	-0.8	[e]62.2	-0.8	[d]65.6	-4.3	73.6	-1.3	[e]68.0	-1.9	[e]66.4	+0.3	[a]57.3	+2.1	[b]47.6	+4.9	[e]32.0	0	53.0	+0.3
Upper Tract	[e]27.6	-5.7	[a]40.2	+8.0	[e]46.0	+3.1	49.7	-1.2	[a]62.8	+1.4	[e]65.1	-2.8	[d]69.6	-2.1	65.2	-5.8	65.6	+0.1	56.7	+1.2	[e]47.9	+4.3	35.4	+1.9	52.6	+0.2
Wardensville	...	...	...	...	...	...	...	...	...	...	...	...	[a]70.0	...	[a]65.0	...	[a]65.4	...	[a]56.4	...	[a]48.9	...	[a]32.8	...	...	...
NORTHERN DIVISION																										
Bens Run	33.3	+1.2	41.0	+9.2	47.0	+3.8	53.6	+1.4	[e]63.6	+0.4	66.8	-3.5	74.2	-0.7	68.6	-5.2	70.4	+2.7	59.8	+3.1	48.6	+5.3	35.5	+2.1	55.2	+1.6
Benson	33.2	...	41.2	...	45.5	...	52.8	...	62.2	...	65.4	...	72.0	...	[a]67.2	...	65.4	...	[g]55.2	...	48.8	...	[e]35.3	...	53.7	...
Brownsville	34.6	...	42.2	...	47.3	...	54.0	...	63.6	...	...	...	...	...	...	...	68.4	...	58.6	...	49.2	...	35.0	...	...	...
Buckhannon	32.8	+1.1	39.7	+8.2	45.2	+3.6	50.0	-1.1	60.4	-1.5	64.5	-4.1	70.2	-1.8	64.9	-5.4	64.4	+0.4	55.8	+2.4	48.1	+6.7	35.2	+2.2	52.6	+0.9
Cairo	32.0	-2.9	39.4	+6.9	45.6	+0.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	34.0	+0.1	...	...
Clarksburg	32.0	...	39.0	...	41.8	...	51.0	...	61.5	...	65.5	...	72.5	...	67.6	...	67.2	...	57.2	...	47.2	...	33.6	...	53.3	...
Creston	34.1	+0.7	42.2	+9.4	47.5	+3.3	55.1	+2.1	62.6	+0.1	68.1	-2.5	71.0	-0.6	69.2	-4.2	69.8	+2.6	59.4	+3.6	49.4	+5.7	36.7	+0.8	55.8	+1.8
Elkins	30.6	+0.2	39.0	+7.4	43.7	+3.7	49.2	+0.4	58.8	-0.9	62.0	-4.9	68.4	-1.9	63.3	-5.8	63.8	+0.8	54.4	+2.1	46.6	+6.3	32.6	-0.1	51.0	+0.6
Fairmont	[d]33.7	+1.6	39.0	+6.8	46.0	+4.0	52.2	+0.4	62.9	-1.2	[e]67.2	-3.2	74.4	+0.6	68.3	-4.4	68.6	+1.7	57.9	+3.0	47.8	+5.4	33.8	+0.3	54.3	+1.2
Glenville	36.4	+3.1	43.4	+9.7	48.0	+3.7	55.0	+1.6	64.8	+1.3	68.9	-1.9	75.0	+0.1	70.3	-2.8	[a]70.4	+2.7	60.1	+4.1	50.6	+7.0	36.2	+1.2	56.6	+2.5
Grafton (near)	...	...	...	...	...	...	...	...	...	...	...	...	73.8	+1.0	67.6	-4.1	67.6	+1.2	58.7	+3.1	[g]47.0	+4.1	...	...	...	...
Jane Lew	33.8	...	42.0	...	46.6	...	53.4	...	63.0	...	67.0	...	73.4	...	68.0	...	66.6	...	57.8	...	49.3	...	35.0	...	54.7	...
Lost Creek	32.2	-0.5	40.4	+9.4	44.9	+2.2	51.7	+1.5	60.0	-1.1	64.8	-3.0	71.1	-1.1	66.2	-4.8	66.3	+1.4	[f]56.0	+1.2	47.8	+5.6	34.0	+0.2	53.0	+0.9
Mannington	32.0	+0.8	40.5	+8.5	44.6	+1.7	51.4	+0.2	61.0	0	65.6	-2.5	70.4	-1.6	65.6	-5.3	64.6	0	55.1	+0.6	47.2	+5.9	33.8	+1.3	52.6	+0.8
Morgantown	32.0	+3.4	40.4	+9.1	[b]44.6	+2.6	52.8	+1.6	62.1	-0.4	65.4	-3.7	73.7	+0.2	[a]67.8	-4.8	68.6	+1.4	58.4	+2.9	[a]48.4	+5.0	33.8	0	54.0	+1.4
New Cumberland	[a]28.8	+0.6	[a]35.6	+7.9	[a]41.4	+1.4	[a]48.5	-0.8	[a]59.6	-1.1	[a]62.8	-5.1	[a]71.8	-1.0	[a]65.4	-5.5	[a]65.6	+0.7	[a]55.2	+0.7	[a]45.6	+4.3	31.0	+0.2	50.9	+0.4
New Martinsville	32.1	-0.7	40.8	+8.6	45.6	+2.6	52.6	-0.4	62.0	-1.6	66.9	-4.5	73.2	-2.1	67.4	-6.7	68.7	+2.3	58.4	+1.3	50.4	+5.9	35.7	+0.9	54.5	+0.4
Parkersburg	32.8	+0.3	41.2	+7.0	47.0	+4.2	53.2	+0.2	63.7	-0.1	66.9	-4.5	71.4	-1.0	68.7	-5.2	70.0	+2.7	60.0	+3.9	49.5	+5.7	36.0	+0.8	55.3	+1.1
Parsons	31.0	-0.2	37.2	+7.5	[j]46.7	+6.8	48.7	0	55.1	-4.0	...	...	[i]69.3	-0.8	61.4	-7.8	59.2	-3.7	57.4	+4.4	[j]44.6	+3.7	...	...	...	...
Philippi	31.4	+1.5	[a]42.4	+11.2	[g]45.8	+3.3	[g]52.9	+1.7	[a]61.3	-0.4	[e]64.5	-3.9	...	...	...	...	67.1	+1.8	[e]57.2	+2.7	49.3	+6.2	[e]37.9	+4.6	...	...
Pickens	27.6	-3.7	35.4	+3.8	40.1	+0.4	46.7	-1.6	56.1	-2.7	[a]61.0	-4.1	[b]66.2	-2.4	[b]61.7	-5.1	62.5	+0.9	53.8	+1.4	43.0	+2.4	28.6	-3.5	48.6	-1.2
Smithfield	28.3	-2.3	37.4	+6.8	45.9	+3.9	50.4	-0.6	60.6	-0.6	68.2	+0.3	76.3	+4.3	...	...	66.0	+1.5	57.3	+3.7	49.2	+8.1	...	...	...	...
Terra Alta	27.6	-0.2	36.1	+8.3	40.6	+1.6	46.4	-0.8	56.3	-2.7	59.6	-6.2	66.6	-2.5	60.7	-7.2	60.8	-1.5	52.4	+0.5	44.8	+3.3	29.8	-0.2	48.5	-0.6
Valley Chapel	33.9	...	42.2	...	48.3	...	53.8	...	63.5	...	67.6	...	73.2	...	68.4	...	68.2	...	58.8	...	50.6	...	34.9	...	55.3	...
Wellsburg	30.2	+0.5	37.8	+10.3	43.6	+4.4	51.0	+2.0	60.3	-0.2	63.6	-4.0	72.0	+0.2	65.8	-4.6	65.6	+1.4	54.4	+0.3	46.9	+5.6	33.0	+2.0	52.0	+1.5
Weston	31.8	+1.4	41.8	+9.9	[d]47.2	+3.4	51.2	+1.7	61.4	-1.7	64.4	-5.9	73.2	-1.1	68.5	-4.5	69.3	+2.5	59.5	+4.0	53.2	+9.9	38.0	+3.0	55.5	+1.9
Wheeling	[b]29.4	-1.2	[a]37.3	+6.5	43.5	+2.3	[a]50.4	-1.7	61.3	-1.6	65.0	-5.9	73.0	-1.9	67.0	-6.4	68.0	+1.6	56.8	+1.9	46.4	+4.0	[a]31.3	+0.6	52.4	-0.1
SOUTHERN DIVISION																										
Bancroft	31.4	0	41.6	+7.9	45.6	+1.1	51.2	+0.7	63.6	-0.2	67.4	-3.5	75.2	+0.4	69.6	-4.0	69.6	+1.3	58.6	+1.2	51.6	+7.1	32.8	-2.1	55.4	+0.8
Beckley	...	...	43.0	+9.7	...	...	53.8	+4.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bluefield	[f]36.4	-1.9	[c]46.6	+12.7	[d]45.4	+1.1	[d]55.0	+1.5	[f]64.0	+2.1	[i]66.8	-2.6	[f]72.1	+0.6	[d]67.2	-3.7	[e]66.8	+1.1	[e]57.8	+1.7	[e]49.4	+5.0	[e]36.3	+1.1	55.3	+1.6
Charleston	35.9	-2.6	44.2	+5.8	47.6	-0.9	55.4	-1.2	61.0	-1.9	66.9	-6.1	75.0	+1.8	69.5	-6.1	71.2	+1.1	60.1	+0.8	[f]50.5	+2.3	36.6	-3.1	56.4	-0.8
Gary	[illegible]	...	45.0	...	46.8	...	55.8	...	63.5	...	68.7	...	[d]73.7	...	69.3	...	68.0	...	57.8	...	48.2	...	[b]36.0	...	55.8	...
Hinton	36.2	+2.0	44.2	+10.2	[b]47.8	+3.6	[c]54.8	+1.9	64.5	+0.9	[b]67.6	-2.9	[d]76.6	+2.5	70.6	-3.1	70.0	+2.4	58.2	+1.6	47.9	+3.9	35.9	+1.0	56.2	+2.0
Huntington	33.8	+1.0	42.2	+9.6	46.5	+1.9	51.3	+0.3	64.3	-0.6	67.9	-4.7	74.8	-1.6	...	...	...	...	...	...	...	...	...	...	...	...
Lewisburg	32.6	+0.7	41.7	+9.7	44.4	+2.4	51.6	+1.5	60.3	-0.3	64.3	-2.9	69.4	-1.6	65.0	-4.9	64.1	0	54.8	-1.4	46.0	+4.5	34.2	+2.0	52.4	+0.8
Marlinton	28.6	+0.7	37.0	+8.0	41.2	+2.6	46.8	-0.3	56.4	-1.6	61.4	-2.4	65.9	-2.7	61.9	-5.3	60.6	-0.8	50.7	+0.4	40.5	+2.7	28.2	+0.9	48.3	+0.2
Point Pleasant	[a]32.2	-1.4	43.0	+9.4	[a]46.9	+1.5	53.8	-1.1	64.2	-1.2	67.8	-4.6	75.5	-0.9	69.3	-5.3	70.4	+1.2	57.8	+0.2	47.6	+2.6	35.8	+0.6	55.4	+0.1
Powellton	...	...	...	...	...	...	...	...	...	...	...	...	...	...	69.7	-3.2	[a]68.2	+1.1	[a]59.8	+3.9	[b]53.3	+8.6	[h]40.4	+3.9		
Ravenswood (Dam 22)	34.2	...	42.8	...	[b]47.8	...	53.9	...	65.0	...	66.4	...	72.4	...	66.8	...	68.2	...	57.4	...	48.8	...	37.3	...	55.0	...
Robertsburg	31.9	-1.5	40.4	+7.5	45.1	+0.5	52.4	-0.5	63.4	-0.5	68.0	-5.3	73.3	-2.1	68.0	-6.4	68.8	+0.7	57.8	+1.9	[j]50.9	+7.7	33.8	-0.2	54.3	+0.1
Ryan	32.0	-1.3	40.0	+6.8	41.3	+0.4	51.0	-1.4	61.6	-0.6	61.0	-5.1	70.0	-3.3	65.7	-7.4	66.2	-0.1	55.2	+0.4	46.7	+3.8	32.2	-1.7	52.4	-0.8
Spencer	32.4	-1.2	40.8	+7.0	45.0	+2.1	52.7	+0.2	62.1	-0.5	[a]61.6	-5.3	[a]71.8	-1.8	67.0	-5.7	[a]66.2	+0.3	57.7	+2.5	49.3	+5.9	34.6	+0.1	53.7	+0.3
Summersville	...	...	...	...	...	...	...	...	...	...	...	...	[f]70.5	...	[b]66.1	...	...	...	...	...	...	...	...	...	...	...
Sutton	34.6	-1.0	42.4	+7.9	46.4	+0.8	52.6	-0.5	61.4	-3.9	65.4	-7.4	72.4	-3.9	67.3	-8.5	68.0	-2.1	57.8	0	49.2	+5.4	36.5	+2.9	54.5	-0.9
Union	[e]35.0	+2.4	[d]45.0	+11.0	[d]45.9	+2.9	[d]55.5	+1.9	[e]64.1	+3.3	[i]67.0	0	[e]72.6	+1.6	[i]68.1	-2.5	67.2	+2.1	[e]57.2	+3.1	[d]48.2	+7.2	[d]36.0	+4.1	55.2	+3.4
White Sulphur Springs	33.0	+1.3	[a]42.0	+7.4	[a]45.5	+0.8	[a]52.2	+1.0	[a]63.4	+3.0	[a]67.7	-0.3	[a]73.4	+2.5	[a]68.3	-2.2	[a]67.8	+3.4	[a]56.2	+3.5	[a]45.2	+3.3	[a]33.8	+2.0	54.1	+2.1
Williamson	38.0	+2.1	46.4	+10.3	49.3	+2.5	58.6	+3.6	69.0	+3.6	73.9	+1.0	78.8	+3.3	74.9	0	72.4	+3.1	61.6	+3.1	50.7	+5.5	[a]35.2	-1.7	59.0	+3.0

Reference letters indicate number of days missing; [a] one day, [b] two days, etc.

Monthly and Annual Precipitation for the Year 1927, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
PANHANDLE DIVISION																										
Bayard	7.77	+2.57	8.41	+5.02	....	....	....	....	....	....	9.93	+5.03	5.90	+0.96	6.73	+2.12	0.97	-2.78	7.50	+4.05	6.29	+3.45	6.78	+2.81	....	....
Brandywine	0.95	-1.50	3.10	+1.37	0.80	-2.08	8.20	+5.56	1.15	-1.81	3.20	-0.06	5.70	+2.07	4.00	+0.92	2.30	-0.28	3.95	+2.03	2.15	+0.36	1.60	-0.24	37.10	+6.34
Harpers Ferry	0.60	-2.11	2.40	+0.03	1.12	-1.06	4.15	+1.16	2.33	-1.54	3.66	-0.04	3.41	-0.08	5.01	+1.24	0.23	-2.66	11.10	+8.41	2.52	+0.30	2.91	+0.62	39.44	+4.27
Inwood	....	....	....	....	....	....	5.67	....	3.14	....	3.64	....	2.56	....	3.12	....	0.81	....	6.33	....	....	....	....	....	....	....
Martinsburg	1.65	-0.94	4.19	+1.76	1.60	-1.70	4.72	-1.68	3.94	-0.06	4.84	+0.55	2.16	-1.66	2.12	-1.69	0.83	-2.04	8.20	+5.64	2.44	+0.18	2.63	-0.40	39.32	-2.04
Moorefield	0.95	-1.60	3.68	+1.31	1.27	-1.40	5.82	+2.27	1.45	-2.10	2.55	-1.61	2.92	-0.50	3.13	-0.11	0.41	-2.27	6.05	+3.87	1.39	-0.25	0.62	-1.58	30.24	-3.97
Piedmont	1.40	-1.30	3.91	+1.25	1.46	-1.54	6.31	+3.29	1.46	-1.94	3.99	+0.43	2.51	-1.18	2.91	-0.68	0.91	-1.42	5.73	+2.93	2.04	+0.03	1.46	-1.04	34.12	-1.17
Romney	0.96	-1.77	3.26	+1.00	1.50	-1.60	2.52	-0.50	2.09	-1.54	2.82	-1.30	3.43	-0.19	2.52	-1.44	1.05	-1.71	4.93	+2.55	1.31	-0.65	0.61	-1.81	27.00	-8.96
Stony River Dam	2.85	....	5.12	....	2.06	....	5.21	....	5.37	....	4.52	....	4.56	....	4.15	....	0.76	....	3.38	....	3.92	....	4.46	....	46.36	....
Upper Tract	0.10	-2.45	....	....	0.20	-2.34	5.98	+3.51	0.75	-2.43	2.45	-1.74	1.65	-2.03	2.01	-1.74	1.58	-0.81	4.85	+2.85	0.91	-0.62	0.75	-1.23	....	....
Wardensville	....	....	....	....	....	....	....	....	....	....	....	....	3.37	....	1.82	....	1.68	....	7.02	....	1.75	....	0.42	....	....	....
NORTHERN DIVISION																										
Aberdeen	4.84	....	5.08	....	2.25	....	6.08	....	4.80	....	3.88	....	5.61	....	5.58	....	1.96	....	4.12	....	4.35	....	3.85	....	52.40	....
Alma	....	....	....	....	....	....	....	....	3.02	....	3.61	....	4.91	....	4.30	....	1.95	....	5.06	....	6.52	....	3.77	....	....	....
Bens Run	5.04	+0.63	3.77	+0.58	3.17	-0.97	4.70	+0.62	4.41	-0.12	2.55	-1.97	5.81	+1.26	7.03	+2.79	1.19	-1.16	3.31	+0.20	6.65	+4.10	4.29	+0.53	51.92	+6.49
Benson	4.66	....	4.22	....	3.32	....	5.79	....	3.90	....	3.17	....	6.92	....	3.21	....	2.37	....	4.30	....	4.33	....	4.30	....	50.49	....
Brownsville	5.01	....	4.12	....	2.13	....	7.02	....	5.12	....	....	....	....	....	2.11	....	4.34	....	5.00	....	4.07	....	4.36	....	....	....
Bruceton Mills	7.21	+1.95	5.90	+2.54	3.83	+0.42	5.97	+2.27	7.73	+3.32	5.64	+1.06	3.47	-1.83	7.06	+2.41	2.85	-0.67	5.30	+1.52	5.54	+2.89	3.95	+0.35	64.45	+16.23
Buckhannon	5.95	+1.44	5.39	+1.52	3.10	-1.42	7.50	+3.24	5.66	+1.06	4.97	+0.08	5.92	+0.58	5.18	+1.08	2.39	-0.74	4.89	+1.43	3.80	+0.34	5.12	+1.08	59.87	+9.69
Cairo	4.80	+0.25	4.07	+0.59	2.94	-1.21	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4.04	+0.28	....	....
Clarksburg	4.28	....	4.15	....	2.55	....	4.85	....	3.30	....	4.00	....	4.59	....	3.31	....	2.70	....	4.25	....	4.45	....	3.42	....	45.85	....
Cortland	3.00	-1.81	4.82	-0.07	3.63	-0.52	10.21	+6.69	5.07	+0.58	4.82	+0.04	7.05	+1.05	4.21	+0.07	1.75	-1.73	3.47	+0.11	3.50	+1.20	4.17	+0.66	55.70	+6.27
Crawford	4.68	....	5.59	....	2.88	....	7.34	....	4.39	....	5.47	....	7.77	....	5.72	....	2.65	....	4.31	....	5.02		4.02	....	59.84	....
Creston	5.59	+1.74	4.33	+1.44	2.79	-1.23	5.85	+1.84	3.87	-0.04	3.09	-1.18	9.40	+5.83	3.87	+0.42	0.92	-1.66	4.07	+1.06	3.57	+1.07	3.95	+0.62	51.30	+9.91
Dam 10, Mon. R.	4.53	....	4.44	....	2.56	....	4.33	....	5.24	....	3.64	....	3.53	....	2.51	....	2.04	....	5.42	....	4.72	....	3.52	....	46.48	....
Dam 12, O. R.	3.98	+0.84	3.41	+1.18	3.78	+0.49	3.75	+0.73	3.83	+0.51	4.99	+1.30	3.13	-0.29	1.74	-3.03	3.21	-0.53	3.27	+0.07	6.26	+3.42	4.34	+1.32	45.69	+6.01
Dam 13, O. R.	3.10	-0.18	3.24	+0.92	3.37	+0.36	3.90	+0.89	3.80	+0.19	4.04	+0.54	4.06	+0.21	2.06	-2.47	2.77	-1.09	3.30	+0.24	6.28	+3.56	3.82	+0.52	43.74	+3.69
Dam 15, Mon. R.	3.95	....	4.39	....	2.39	....	4.65	....	4.23	....	5.87	....	3.19	....	3.56	....	2.43	....	4.91	....	4.11	....	3.67	....	47.35	....
Davis	5.30	-0.52	6.08	+1.90	3.62	-0.69	6.03	+2.06	7.71	+3.59	6.37	+1.45	4.78	-0.78	6.28	+1.30	1.98	-1.79	5.24	+1.09	4.32	+1.35	6.04	+1.26	63.78	+10.16
Elizabeth	4.89	+0.27	3.74	+1.08	3.15	-0.93	5.01	+1.39	3.08	-0.61	3.13	-0.69	8.71	+4.42	3.68	-0.69	0.49	-2.20	2.91	-0.84	4.49	+1.93	3.59	+0.28	46.78	+3.41
Elkins	4.19	+0.85	5.71	+2.54	2.81	-1.26	7.25	+3.96	4.13	+0.15	5.23	+0.19	7.35	+2.71	5.08	+1.43	3.47	+0.60	4.56	+2.14	4.47	+1.61	3.43	+0.01	57.68	+14.93
Evenwood	4.18	....	5.10	....	3.93	....	7.22	....	6.23	....	4.45	....	7.09	....	6.74	....	3.07	....	....	....	3.12	....	4.42	....	....	....
Fairmont	4.39	+0.44	3.27	+0.14	2.55	-1.39	2.95	-0.39	3.96	+0.06	7.17	+2.78	3.55	-1.05	4.43	+0.74	2.98	+0.09	4.61	+1.75	4.05	+1.18	3.42	+0.02	47.33	+4.37
Glenville	5.19	+0.84	5.07	+1.34	2.05	-2.19	6.53	+2.79	3.91	-0.30	4.37	-0.10	7.57	+2.28	5.24	+1.33	3.93	+0.66	4.06	+1.01	4.34	+1.36	4.69	+1.00	56.95	+10.02
Grafton	....	....	....	....	....	....	....	....	....	....	3.05	-1.54	....	....	2.11	-1.79	2.78	+0.85	3.75	+0.61	....	....	....	....	....	....
Horner	5.39	....	5.27	....	2.29	....	....	....	5.40	....	3.31	....	7.16	....	3.80	....	3.77	....	5.13	....	4.70	....	3.93	....	....	....
Horton	3.90	....	6.04	....	1.84	....	7.00	....	5.30	....	2.68	....	5.34	....	5.26	....	1.72	....	6.00	....	2.99	....	4.21	....	52.28	....
Janelew	5.07	....	4.12	....	2.00	....	6.40	....	5.33	....	3.48	....	5.21	....	5.85	....	2.45	....	4.80	....	4.05	....	3.60	....	52.39	....
Lost Creek	4.55	+0.49	4.68	+1.62	2.46	-1.63	5.46	+2.10	3.10	-1.19	2.62	-1.57	6.22	+1.44	3.58	-0.44	2.51	-0.24	4.52	+1.79	4.53	+2.63	4.39	+0.90	48.65	+5.30
Mannington	4.97	+0.36	4.80	+2.01	2.78	-0.97	5.44	+1.47	4.16	+0.11	4.23	+0.01	3.15	-1.82	3.55	-0.37	3.82	+0.65	5.10	+2.16	5.37	+2.87	4.33	+0.81	51.70	+7.29
Morgantown	4.28	+0.54	4.35	+1.30	2.32	-1.27	4.32	+1.10	5.43	+1.87	4.07	-0.44	1.97	-3.01	2.51	-1.67	2.52	-0.65	4.00	+0.86	5.99	+3.11	3.16	+0.11	44.92	+1.85
New Cumberland	4.36	+1.60	3.10	+0.73	3.75	+0.39	3.94	+0.58	3.85	+0.55	3.08	-1.59	5.22	+0.93	2.39	-1.09	1.93	-1.16	3.01	+0.23	6.88	+4.76	5.15	+2.44	46.66	+8.37
New Martinsville	4.90	+1.14	3.65	+0.67	4.00	+0.35	4.60	+1.01	3.80	+0.06	3.55	-0.52	3.85	-0.95	2.15	-1.05	1.75	-0.90	4.40	+1.52	6.00	+3.36	4.65	+1.09	47.60	+5.78
Parkersburg	4.01	+0.82	3.33	+0.09	3.10	-0.72	4.47	+1.56	2.76	-0.70	2.52	-2.13	4.45	-0.21	3.76	+0.23	0.67	-2.05	1.99	-0.45	5.59	+2.76	3.61	+0.87	40.29	+0.07
Parsons	4.05	-0.72	5.75	+2.23	....	....	6.67	+2.82	6.84	+2.94	6.31	+1.07	5.02	-0.10	7.10	+3.31	2.26	-0.86	4.79	+1.91	3.61	+1.07	5.43	+1.64	....	....
Parsons (No. 2)	4.90	+0.13	5.91	+1.49	3.05	-1.01	6.30	+2.45	6.94	+3.04	5.89	+0.69	4.89	-0.23	7.14	+3.35	2.77	-0.35	5.09	+2.21	4.19	+1.65	4.66	+0.87	61.73	+14.29
Philippi	4.21	-0.12	4.78	+1.41	2.31	-1.89	6.87	+2.94	3.45	-0.83	4.26	-0.26	....	....	....	....	5.29	+2.15	4.57	+1.69	4.58	+1.79	4.56	+0.73	....	....
Pickens	9.58	+2.91	8.64	+3.57	4.97	-0.81	10.20	+5.16	7.16	+1.83	3.98	-2.13	7.55	-1.18	8.03	+2.92	2.52	-1.41	5.73	+1.66	4.79	+0.94	5.01	-0.19	78.16	+13.27
Roanoke	4.78	....	5.65	....	2.55	....	6.96	....	5.54	....	3.96	....	5.47	....	4.87	....	3.09	....	4.61	....	4.74	....	3.58	....	55.80	....
Rowlesburg	5.04	+0.54	5.15	+2.04	3.23	-1.07	6.84	+2.33	6.93	+2.57	4.52	-0.50	4.31	-0.71	4.92	+1.05	1.94	-1.13	4.80	+1.77	5.22	+2.14	5.78	+1.91	58.48	+10.94
St. Marys	4.59	+0.03	3.61	+0.41	3.43	-0.19	4.97	+1.07	3.15	-0.71	3.97	-0.70	6.01	+1.90	5.68	+0.92	1.09	-1.41	3.60	+0.20	7.61	+5.13	4.08	+0.58	50.89	+7.23
Smithfield	4.61	-0.22	4.76	+1.14	2.95	-1.02	4.46	+0.56	2.32	-1.86	4.43	-0.16	4.20	-1.19	1.34	-3.12	1.19	-2.00	2.04	-1.39	5.08	+2.11	2.08	-2.00	39.46	-9.15
Terra Alta	5.87	+0.57	4.61	+0.84	3.88	-0.94	5.59	+1.57	6.21	+1.23	5.42	-1.56	4.27	-1.29	5.77	+0.78	0.80	-2.83	6.05	+2.43	4.61	+1.53	5.10	-0.06	58.18	+2.27
Valley Chapel	5.29	....	4.74	....	2.88	....	5.50	....	3.70	....	3.36	....	5.72	....	3.63	....	2.45	....	4.75	....	4.09	....	3.72	....	49.83	....
Vandalia	4.23	....	4.30	....	1.63	....	4.60	....	3.38	....	....	....	....	....	....	....	1.95	....	....	....	5.83	....	2.92	....	....	....
Wellsburg	3.79	+0.35	3.02	+0.34	4.26	+1.04	4.32	+1.21	3.58	+0.10	4.81	+0.32	4.24	-0.07	2.66	+1.18	1.93	-1.26	3.54	+0.68	6.89	+4.48	5.06	+2.04	48.10	+10.41
West Milford	4.91	....	5.26	....	2.79	....	6.14	....	....	....	3.45	....	7.09	....	2.90	....	3.73	....	4.78	....	5.01	....	4.15	....	....	....
Weston	5.21	+1.04	4.29	+0.55	2.10	-2.37	6.95	+2.90	4.95	+0.64	3.90	-0.65	8.55	+3.58	2.45	-1.48	3.50	+0.61	4.95	+1.84	4.67	+1.03	3.45	-0.25	54.97	+7.44
Wheeling	3.95	+0.79	3.73	+1.21	3.59	+0.49	3.38	+0.25	3.92	+0.43	3.82	+0.01	3.57	-0.93	2.39	-1.29	3.21	+0.48	3.10	+0.54	6.31	+3.80	4.83	+1.82	45.80	+7.60
Woodlands	4.93	....	4.06	....	3.72	....	3.93	....	4.36	....	4.88	....	6.69	....	1.51	....	2.57	....	3.79	....	6.15	....	5.30	....	51.89	....
SOUTHERN DIVISION																										
Arbovale	2.36	....	5.36	....	1.47	....	6.85	....	1.69	....	3.72	....	4.31	....	5.72	....	1.15	....	3.72	....	3.31	....	3.61	....	43.27	....
Bancroft	4.73	+0.33	2.87	-0.04	1.67	-2.27	6.00	+2.17	3.51	-0.63	5.56	+0.93	4.84	+0.80	5.64	+1.22	1.57	-1.22	2.76	-0.42	3.28	+0.88	2.94	-0.41	45.37	+1.3
Bluefield	1.08	-2.14	....	....	1.70	-1.96	6.71	+3.33	3.46	-0.18	3.12	-1.66	5.93	+1.46	3.28	-1.14	0.54	-2.12	2.11	-0.77	3.32	+1.04	3.21	+0.30	....	....
Camden-on-Gauley	1.20	-2.53	2.40	-0.82	2.14	-2.31	3.95	+0.42	2.44	-2.76	3.34	-1.80	1.80	-3.25	....	....	....	....	4.95	+2.01	4.09	+0.39	....	....	....	....
Charleston	4.19	+0.24	4.33	+0.76	2.54	-1.88	6.83	+3.14	3.50	-0.57	4.18	-0.35	5.73	+1.51	6.15	+1.64	1.88	-1.25	3.01	+0.24	3.39	+0.32	3.17	-0.36	48.90	+3.4
Clay	3.59	-0.06	4.74	+1.43	2.68	-1.15	6.03	+2.69	4.01	-0.12	....	....	....	....	....	....	4.96	+1.50	4.07	+0.80	3.68	+0.59	4.12	+0.04	....	....
Dam 6 G. K.	3.36	....	3.48	....	2.28	....	5.81	....	3.59	....	3.80	....	5.25	....	7.29	....	3.32	....	3.45	....	2.91	....	1.90	....	46.44	....
Dam 19 O. R.	4.39	+0.59	3.33	+0.76	3.26	-0.74	4.74	+1.17	3.10	-1.23	3.39	-0.54	5.24	+0.89	3.21	-0.88	1.37	-2.39	1.96	-1.51	6.65	+3.29	4.05	+0.66	44.72	+0.0
Dam 20 O. R.	4.53	+0.68	4.13	+1.12	3.47	-0.45	5.31	+0.83	3.61	-0.21	5.24	+1.36	5.04	+1.25	3.34	-1.27	1.52	-1.80	2.32	-1.27	6.01	+2.92	3.66	+0.12	48.18	+4.2
Dam 25 O. R.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4.82	....	3.51	....	....	....
Dam 26 O. R.	5.31	....	2.86	....	3.13	....	5.29	....	3.28	....	4.01	....	4.80	....	4.27	....	1.30	....	1.14	....	4.93	....	3.12	....	43.44	....
Gary	2.43	-1.63	5.69	+2.04	2.25	-1.29	6.42	+2.90	4.66	+0.59	3.15	-1.93	4.71	+0.43	4.13	-0.54	0.76	-2.69	1.78	-1.89	4.47	+1.53	3.69	-0.15	44.14	-2.6
Hinton	1.87	-1.34	5.23	+2.18	1.78	-2.27	6.24	+2.96	4.19	+0.42	4.42	+0.19	3.95	0	3.55	-0.31	2.67	-0.09	1.93	-0.63	3.60	+1.40	3.05	+0.25	42.48	+2.7
Huntington	4.69	+0.79	3.84	+0.71	3.40	-0.93	5.32	+1.71	4.38	+0.37	5.13	+0.89	3.21	-1.00	5.58	+1.74	....	....	....	....	....	....	....	....	....	....
Kanawha Falls	3.56	....	3.89	....	2.76	....	8.02	....	4.83	....	3.98	....	5.58	....	7.46	....	1.91	....	3.30	....	3.69	....	3.47	....	52.45	....
Kayford	3.75	-1.35	4.55	+1.67	3.23	-2.33	6.98	+2.46	5.76	+0.86	4.58	-1.23	8.31	+3.59	6.69	+2.83	2.27	-1.65	4.35	+0.90	3.71	+0.68	3.94	+0.49	58.12	+6.9
Kermit	4.50	....	3.86	....	2.71	....	6.67	....	5.76	....	2.99	....	3.79	....	3.29	....	2.94	....	2.61	....	3.87	....	3.58	....	46.57	....
Lewisburg	1.53	-1.98	5.82	+2.86	2.75	-1.21	6.64	+3.20	2.63	-1.01	3.61	-0.63	3.75	-0.33	4.02	+0.46	3.26	-0.43	3.18	+0.33	3.17	+0.71	3.71	+0.87	44.07	+2.8
Logan	3.22	-1.56	3.18	-0.72	3.16	-2.09	7.96	+3.16	6.52	+2.36	4.19	-1.22	3.28	-2.62	4.81	+1.16	2.67	-0.32	3.31	+0.56	3.68	+0.81	4.39	-0.19	50.37	-0.6
Marlinton	2.74	-1.33	6.68	+3.29	2.83	-1.53	7.84	+4.50	2.60	-1.41	4.05	-0.91	4.56	-0.77	5.55	+0.92	1.29	-1.82	4.28	+1.29	4.03	+1.29	4.78	+1.12	51.25	+4.
Organ Cave	1.57	....	6.65	....	1.25	....	7.95	....	2.20	....	2.10	....	5.85	....	3.50	....	2.20	....	3.03	....	2.05	....	2.13	....	40.48	....
Point Pleasant	5.85	+1.97	3.60	+0.18	3.59	-0.56	6.42	+3.14	3.43	-0.52	3.53	-0.77	6.42	+2.41	5.43	+2.17	1.73	-0.79	2.47	-0.12	5.47	+2.66	3.77	+0.34	51.71	+10.1
Powellton	....	....	....	....	....	....	....	....	....	....	....	....	....	....	6.20	+1.93	1.71	-1.29	5.30	+2.53	4.10	+1.37	3.06	0	....	....
Ravenswood (Dam 22)	5.20	....	3.30	....	3.68	....	5.19	....	3.51	....	4.54	....	6.89	....	5.14	....	1.15	....	2.34	....	4.28	....	3.96	....	49.18	....
Robertsburg	5.61	+1.64	2.94	-0.08	2.62	-1.41	5.50	+1.76	3.57	-0.03	3.47	-0.58	4.45	+0.71	4.67	+1.42	1.42	-0.89	2.70	-0.08	3.80	+1.43	2.88	-0.58	43.66	+3.
Ryan	4.70	+0.48	4.32	+0.95	2.22	-2.10	7.06	+3.21	3.99	+0.29	5.86	+1.39	7.41	+2.85	4.94	+1.08	2.69	-0.10	3.90	+0.45	4.92	+2.44	2.82	-0.63	54.83	+10.
Sharples	3.52	....	4.00	....	3.04	....	8.05	....	5.38	....	3.47	....	5.79	....	5.21	....	1.73	....	3.07	....	4.12	....	4.23	....	51.61	....
Sissonville	4.06	....	2.99	....	1.43	....	6.11	....	4.83	....	3.72	....	4.30	....	5.09	....	....	....	....	....	....	....	....	....	....	....
Spencer	5.83	+1.42	3.80	+0.76	1.76	-2.18	5.19	+1.56	2.96	-0.74	2.85	-1.50	4.41	+0.12	3.07	-0.49	1.80	-1.14	2.70	-0.51	3.94	+1.46	2.72	-0.65	41.03	-1.
Summersville	....	....	....	....	....	....	....	....	....	....	....	....	6.07	....	5.25	....	....	....	....	....	....	....	....	....	....	....
Sutton	6.07	+1.05	6.06	+2.76	3.04	-0.99	8.30	+4.11	4.85	+0.36	4.68	-0.35	12.40	+7.23	6.87	+3.13	3.45	+0.29	4.55	+1.46	4.80	+0.81	3.98	+0.04	69.05	+19.
Union	1.79	-1.82	4.50	+1.79	1.48	-2.25	7.20	+4.31	2.20	-0.56	2.53	-1.79	3.80	-0.82	3.95	+0.10	3.08	+0.48	2.36	-0.48	3.85	+1.86	3.93	+1.41	40.67	+2.
Wayne	4.41	....	3.68	....	3.14	....	6.50	....	4.37	....	4.51	....	3.98	....	4.05	....	2.08	....	2.01	....	4.39	....	2.92	....	46.04	....
White Sulphur Springs	1.72	-0.86	6.23	+2.01	1.21	-3.91	5.55	+1.75	2.29	-1.58	3.58	-0.98	3.44	+1.61	2.92	-0.74	2.13	-1.00	3.70	+0.88	3.27	+0.85	3.18	+0.02	39.22	-1.
Williamson	3.32	-1.00	4.26	+1.11	2.98	-1.62	6.28	+2.39	5.40	+1.59	3.93	-0.70	2.71	-1.55	4.48	+0.94	1.04	-1.98	2.64	-0.12	3.71	+1.10	3.33	-0.51	44.08	-0.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVI Parkersburg, W. Va., January, 1928 No. 1

GENERAL SUMMARY

The average precipitation for January, 2.18 inches, was the lightest of January State record since 1898. The State averages for 1896 and 1897 were 1.57 and 1.70 inches, respectively. Although light, the precipitation of January, 1928, was well distributed over the State and apparently sufficient for all purposes. The rivers were low. The temperature averaged normal, the month being nearly equally divided into periods of moderately warm and moderately cold weather. The average snowfall, 4.0 inches, was less than one-half the normal. The conditions were generally favorable for outdoor work. There was considerable winter plowing. While there was practically no snow-cover in the agricultural districts, the temperature was not low enough to seriously damage winter grains.

TEMPERATURE

The monthly mean for the State, determined from 46 stations, was 32.0°. The departure from the normal for 38 stations having ten or more years of record was —0.1°. The month opened cold, with the lowest temperature occurring generally on the 2d, 3d, and 4th. The temperature was also low from the 20th to the 22d, and from the 26th to the close of the month, with the lowest readings occurring at a few stations on the 29th. The temperature was continuously above the normal from the 6th to the 20th, with the highest readings occurring generally on the 14th,

PRECIPITATION

The average precipitation for the State, determined from 84 stations, was 2.18 inches. The departure from the normal for 56 stations having ten or more years of record was —1.75 inches. Most of the precipitation was received on the 8-9th, 17-20th, 24-25th, and 28th, the greatest amounts being measured on the 19th and 25th. Light snow fell in many localities on the 1st-2d, 20th-21st, 25-26th, 28-29th, and 31st, being moderately heavy at a few stations on those dates. The heaviest snow was on the 25-26th and 28th. The greatest monthly amounts were s follows: Bayard, 25.0; Pickens, 24.0; Cortland, 21.0; Davis, 6.9; Stony River Dam, 14.0; Horton, 13.8 inches.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 19th; Brownsville, 8th and 19th; Clay, th, 10th, 18th, and 19th; Davis, 16th; Gary, 9th; Glenville, th and 9th; Parkersburg, 12th; Pt. Pleasant, 12th; Spencer, 1st; St. Marys, 9th and 10th; Terra Alta, 9th and 17th.

Hail: Brownsville, Elkins, Morgantown, Parkersburg, Pt. leasant, Roanoke, and Wheeling, 19th.

Halos, lunar: Clarksburg and Parkersburg, 5th.

Thunderstorms: Lewisburg, 24th; Mannington, 19th; Morgantown, 22d; Organ Cave, 19th; Wheeling, 19th.

Mar 31 1928

UNIVERSITY OF ILLINOIS

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio...	30.15	81	65	71	197.2	65	6,883	9.3	33	w.	19
Columbus, Ohio...	30.11	81	69	74	130.2	43	7,838	10.5	50	w.	24
Elkins	30.15	78	64	72	127.0	42	5,578	7.4	33	w.	25
Lexington, Ky.....	30.20	83	70	....	149.5	49	10,008	13.5	52	w.	24
Parkersburg........	30.15	78	63	68	94.9	31	5,267	7.1	34	sw.	25
Pittsburgh, Pa.....	30.10	73	64	66	81.7	27	9,302	12.5	60	w.	19
Wytheville, Va....	30.15	74	61	68	173.0	56	6,506	8.7	38	sw.	19

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891..............	31.7	......	......	3.64	......	......	......	......	......	......	......
1892..............	29.4	76	− 3	3.15	......	......	......	11	......	......	......
1893..............	22.6	71	−25	2.49	......	......	......	12	7	7	17
1894..............	36.6	70	− 8	2.41	4.23	0.83	......	9	12	8	11
1895..............	25.0	69	−21	4.48	6.53	2.37	......	13	6	9	16
1896..............	32.4	72	− 6	1.57	2.72	0.67	1.8	15	9	14	8
1897..............	28.8	69	−18	1.70	2.85	0.90	4.0	9	10	7	14
1898..............	37.1	75	− 5	5.10	8.04	2.24	5.0	12	6	9	16
1899..............	32.1	70	−21	4.05	7.01	2.05	7.5	11	10	7	14
1900..............	34.5	74	−10	2.24	3.60	0.82	1.9	10	9	8	14
1901..............	33.6	69	− 4	2.41	3.87	1.18	7.3	10	8	7	16
1902..............	30.2	64	− 1	3.65	8.52	1.45	9.8	9	9	7	15
1903..............	31.8	79	− 7	3.21	6.45	1.55	8.6	11	8	7	16
1904..............	27.5	72	−18	2.72	5.82	1.24	10.8	11	9	8	14
1905..............	26.4	70	−14	3.15	7.43	1.48	22.0	13	7	7	17
1906..............	38.2	80	− 5	3.79	8.70	1.36	5.1	9	11	7	13
1907..............	38.7	76	−15	6.41	11.54	2.35	5.6	14	6	7	18
1908..............	31.0	62	−16	2.92	8.19	0.50	12.8	11	12	7	12
1909..............	36.8	76	− 5	3.41	6.59	1.50	8.7	12	8	6	17
1910..............	32.0	67	− 5	5.68	10.10	2.52	15.4	11	6	6	19
1911..............	37.3	71	− 5	5.86	12.63	3.11	7.0	14	8	6	17
1912..............	23.5	66	−34	2.60	6.93	1.10	13.6	10	7	8	16
1913..............	40.7	74	9	6.23	10.53	1.84	5.7	13	9	6	16
1914..............	35.8	83	−11	3.18	5.65	1.55	15.6	10	7	6	18
1915..............	31.7	68	− 8	4.85	11.38	2.00	10.4	13	8	6	17
1916..............	38.8	79	−10	4.86	8.52	1.70	6.1	13	11	7	13
1917..............	33.2	77	− 9	4.66	7.67	1.72	8.3	12	11	6	14
1918..............	20.7	55	−27	4.24	9.22	2.00	21.5	14	8	5	18
1919..............	34.1	69	−16	3.79	6.66	1.60	6.9	18	16	4	11
1920..............	28.7	77	−11	4.12	7.26	0.40	3.9	11	8	6	17
1921..............	35.5	71	− 2	2.76	5.94	0.10	4.3	9	11	6	14
1922..............	30.2	68	−15	2.75	4.81	1.01	10.8	11	12	6	13
1923..............	35.2	68	− 1	4.46	7.60	1.13	4.4	14	7	5	19
1924..............	30.1	70	−15	4.62	7.14	0.62	1.8	10	13	5	13
1925..............	31.1	65	−27	3.81	7.07	1.32	15.8	13	11	4	16
1926..............	29.7	66	−23	3.71	7.74	1.78	13.3	11	8	5	18
1927..............	32.5	74	−14	4.08	9.58	0.10	5.9	14	6	5	20
1928..............	32.0	74	−14	2.18	4.55	0.12	4.0	8	11	7	13
1891-1928..........	32.0	83	−34	3.71	12.63	0.10	8.7	11	9	7	15

Climatological Data for January, 1928

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard[f]	Grant	2,375	27	30.2	+ 2.2	69	15	− 8	2	64	4.52	+0.42	1.18	25.0	17	4	9	12	sw.	U. G. Clark
Brandywine	Pendleton	1,586	12	31.4	+ 1.6	60	15†	− 3	4	45	1.20	−1.25	0.65	2.0	5	19	0	12	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	39	...	...	...	...	...	...	...	1.22	−1.49	0.48	1.0	4	...	...	...	...	J. C. Newcomer
Martinsburg	Berkeley	435	36	33.9[a]	+ 3.4	70[a]	13	5	30	44[a]	1.78	−0.81	0.46	0.5	8	21	7	3	nw.	Dr. H. S. Gardner
Moorefield[a]	Hardy	900	32	36.8	+ 4.9	69	14	1	4	50	0.12	−2.38	0.12	1.5	1	28	0	2	...	M. S. Henkel
Piedmont	Mineral	1,053	15	32.0	+ 2.3	61	14	1	2	31	1.20	−1.50	0.89	...	2	13	5	13	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	30	32.8[c]	+ 1.9	67[c]	14	3[b]	2†	42[c]	0.57	−2.12	0.38	...	3	11	9	11	...	George E. Bergdoll
Stony River Dam	Grant	3,300	8	...	...	...	...	...	...	...	2.71	...	0.52	14.0	10	6	8	17	w.	A. C. Becker
Upper Tract	Pendleton	1,230	29	32.2[c]	− 1.1	65[c]	15	0[b]	3†	41[c]	1.06	−1.30	0.50	2.0	3	...	...	...	w.	J. M. Mallow
Wardensville	Hardy	1,200	11	32.5[d]	...	67[d]	10†	− 7[c]	2	46[f]	1.32	...	0.51	1.8	5	13[c]	7[c]	8[c]	...	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	4	...	...	...	...	...	...	...	2.52	...	0.73	3.0	11	5	16	10	w.	L. Else Bond
Alma (near)	Tyler	...	1	...	...	...	...	...	...	...	1.64	...	0.62	1.0	8	8	10	13	...	D. N. Furbee
Bens Run	Pleasants	652	26	32.6	+ 0.5	67	14	1	3	39	1.58	−2.83	0.51	4.0	7	10	12	9	...	J. D. Riggs
Benson	Harrison	1,080	5	32.2	...	67	15	− 6	29	41	2.08	...	0.52	2.5	13	7	17	7	...	R. D. Marts
Brownsville	Lewis	1,032	5	32.9	...	67	14	− 5	4	42	2.49	...	0.76	3.4	12	13	7	11	...	George M. Myers
Bruceton Mills	Preston	1,549	11	...	...	...	...	...	...	...	2.54	−2.72	0.75	7.2	9	3	16	12	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	31	32.1	+ 0.4	64	14	− 2	4	36	2.44	−2.07	1.00	5.8	9	13	4	14	...	H. A. Darnall
Cairo	Ritchie	680	29	31.0	− 3.9	66	14	− 5	3	34	1.93	−2.62	0.80	1.5	7	11	8	12	...	O. C. Hess
Clarksburg	Harrison	1,015	6	30.1	...	65	14	− 1	4	35	2.05	...	0.70	1.0	7	10	7	14	w.	Clarksburg Water Board
Cortland	Tucker	3,300	17	...	...	...	...	...	...	...	3.83	−0.98	0.85	21.0	9	2	17	12	...	G. W. Harmon
Crawford	Lewis	1,107	5	...	...	...	...	...	...	...	2.41	...	0.87	3.1	9	10	14	7	w.	George W. Blair
Creston	Wirt	640	26	36.2	+ 2.8	68	14	− 3	4	54	2.62	−1.23	0.88	1.2	8	12	0	19	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	7	...	...	...	...	...	...	...	2.02	...	0.74	...	5	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	12	...	...	...	...	...	...	...	1.81	−1.33	0.75	...	9	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	12	...	...	...	...	...	...	...	1.78	−1.50	0.70	...	10	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	7	...	...	...	...	...	...	...	1.72	...	0.66	2.0	11	...	...	...	...	Lockmaster
Davis	Tucker	3,093	19	...	...	...	...	...	...	...	3.36	−2.46	0.64	16.9	16	11	9	11	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	16	...	...	...	...	...	...	...	2.42	−2.20	0.81	3.0	7	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	27	30.9	+ 0.5	63	14	− 4	2	30	2.81	−0.53	1.03	7.8	13	5	7	19	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	3	...	...	...	...	...	...	...	2.19	...	0.63	9.8	13	1	9	21	s.	Claude A. Cunningham
Fairmont	Marion	883	22	30.1	− 1.8	65	14	0	2†	36	1.69	−2.26	0.70	1.8	8	8	7	16	w.	J. C. Robinson
Glenville	Gilmer	738	34	33.6	+ 0.5	69	14†	− 4	4	39	2.33	−2.02	0.72	3.0	10	8	10	13	w.	Howard R. Brannon
Grafton	Taylor	1,000	35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	T. D. Smith
Horner††	Lewis	1,014	5	...	...	...	...	...	...	...	2.40	...	0.60	8.0	8	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	3	...	...	...	...	...	...	...	2.95	...	0.94	13.8	8	13	1	17	sw.	J. W. White
Janelew (near)	Lewis	1,020	5	33.2	...	66	14†	− 4	29	45	1.88	...	0.75	2.5	7	19	4	8	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	30	31.2	− 1.5	64	14†	− 2	2†	39	2.23	−1.83	0.74	2.0	11	10	4	17	w.	Allen Smith
Mannington	Marion	985	25	30.9	− 0.3	64	14	− 3	4†	35	2.09	−2.52	0.91	2.7	13	7	10	14	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	35	31.8	− 0.1	67	19	− 2	2	36	1.30	−2.44	0.72	T.	4	0	11	20	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	30	28.1[a]	− 0.1	63[a]	14	− 2	3	30[a]	2.07	−0.69	0.83	2.6	14	7	6	18	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	34	31.4	− 1.4	74	17	− 2	3	40	1.70	−2.06	0.60	T.	5	9	3	19	s.	Wm. Ankrom
Parkersburg	Wood	638	41	33.4	+ 0.9	68	14	2	2	31	1.46	−1.73	0.68	0.5	9	9	4	18	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	28	30.0	− 1.2	60	16	− 1	2	37	...	...	...	...	...	6	6	19	...	J. W. Swisher
Parsons No. 2	Tucker	...	2	...	...	...	...	...	...	...	2.81	−1.96	0.79	6.5	12	11	9	11	...	Robert T. Deem
Philippi††	Barbour	1,550	31	31.4[a]	− 0.5	63	14	− 4[a]	2	42[a]	3.03	−0.92	...	12.5	16	12	5	14	w.	Prof. Elwyn F. Chase
Pickens	Randolph	2,697	25	26.4	− 4.9	60	13	−14	29	37	4.55	−2.12	1.13	24.0	12	9[a]	4[a]	17[a]	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	5	...	...	...	...	...	...	...	2.55	...	0.96	1.5	10	10	5	16	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	41	...	...	...	...	...	...	...	3.16	−1.34	1.00	1.5	14	...	...	...	...	Walter H. Boiyard
Saint Marys††	Pleasants	577	19	...	...	...	...	...	...	...	1.83	−2.73	0.78	...	8	...	...	...	...	Wm. Hughes
Smithfield	Wetzel	850	22	...	...	69	7	...	...	...	0.58	−4.25	0.16	4.0	7	13	9	9	...	Everett V. Price
Terra Alta	Preston	2,559	27	26.4	− 1.4	57	14	− 6	2	40	2.81	−2.49	0.74	3.8	14	2	11	18	w.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	5	33.1	...	65	14†	− 2	4	36	2.37	...	0.82	5.0	9	14	6	11	w.	J. C. Campbell
Vandalia	Lewis	1,120	5	...	...	...	...	...	...	...	1.39	...	0.80	...	3	...	...	...	...	Creed H. McCue
Wellsburg	Brooke	668	21	30.6	+ 0.9	64	14	2	2†	35	1.45	−1.99	0.45	T.	8	6	7	18	w.	George P. Pinster
West Milford	Harrison	979	3	...	...	...	...	...	...	...	2.22	...	0.90	...	5	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	33	...	...	...	...	...	...	...	2.99	−1.18	0.80	3.5	8	...	...	...	...	Weston State Hospital
Wheeling	Ohio	645	41	29.2	− 1.4	65	14	0	1†	37	1.80	−1.36	0.71	2.6	9	11	5	15	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	1	...	...	...	...	...	...	...	1.79	...	0.87	1.0	8	11	7	13	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	2	...	...	...	...	...	...	...	2.30	...	0.86	2.0	10	13	8	10	w.	H. S. Sutton
Bancroft	Putnam	574	24	32.8	− 1.6	70	14	0	2†	41	2.46	−1.94	0.74	1.2	9	15	0	16	ne.	R. E. Dent
Bluefield[c]	Mercer	2,558	33	35.6	+ 1.1	65	16	− 7	2	45	2.53	−0.69	0.69	6.0	11	13	6	7	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	13	...	...	...	...	...	...	...	2.40	−1.35	1.10	T.	3	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	25	32.3	− 6.2	69	14	− 5	2†	42	2.28	−1.67	0.64	2.5	8	14	0	17	...	R. O. Fields
Clay	Clay	706	12	...	...	...	...	...	...	...	2.75	−0.90	0.78	2.6	14	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	2	...	...	...	...	...	...	...	1.89	...	0.70	...	4	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	12	...	...	...	...	...	...	...	1.88	−1.92	0.85	...	6	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	12	...	...	...	...	...	...	...	1.82	−2.03	0.84	...	6	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	1	...	...	...	...	...	...	...	2.15	...	0.75	0.5	7	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	12	...	...	...	...	...	...	...	1.90	...	0.60	...	7	...	...	...	...	U. S. Engineer Office
Gary	McDowell	1,426	12	32.7	...	68	14†	− 3	2†	50	1.84	−2.22	0.41	2.0	7	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	31	34.2	0	69	14	1	5	58	2.25	−0.96	0.93	2.2	9	15	4	9	...	Mrs. M. L. McClung
Kanawha Falls	Fayette	615	9	...	...	...	...	...	...	...	2.45	...	0.80	...	7	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	12	...	...	...	...	...	...	...	2.54	−2.56	0.70	3.6	13	...	...	...	...	Cabin Creek Con. Coal Co
Kermit	Mingo	579	2	...	...	...	...	...	...	...	2.47	...	0.80	1.0	8	...	...	...	...	E. B. Kirk
Lewisburg	Greenbrier	2,250	28	33.2	+ 1.3	63	15	− 3	2	51	1.79	−1.74	1.19	0.5	6	13	8	10	nw.	Geo. T. Argabrite
Logan	Logan	700	25	...	...	...	...	...	...	...	3.10	−1.68	0.86	...	7	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	29	27.0	− 0.7	56	15†	− 6	2	36	3.04	−1.04	1.30	0.5	8	8	14	9	sw.	S. L. Brown
Organ Cave	Greenbrier	...	2	...	...	...	...	...	...	...	1.09	...	0.65	3.0	4	14	0	17	w.	J. J. Hedrick
Point Pleasant	Mason	595	35	33.0	− 0.6	68	14	− 4	2	36	2.19	−1.69	0.97	0.2	6	10	3	18	sw.	Miss Grace E. Henson
Powellton††	Fayette	904	34	35.7	...	65	17	0	4	40	2.08	...	1.00	1.0	6	...	...	...	...	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	5	33.0	...	68	14	0	4	35	2.14	...	0.80	...	6	9	0	22	ne.	Lockmaster
Robertsburg	Putnam	570	28	32.0	− 1.4	69	14	− 1	3†	38	1.98	−2.02	0.53	T.	8	13	0	18	...	M. Frazier
Ryan††	Roane	700	25	30.3	...	68	14	− 6	3†	37	2.46	...	0.90	3.0	11	8	8	15	...	Wm. E. Ryan
Sharples	Logan	...	8	...	...	...	...	...	...	...	3.27	...	0.98	T.	6	...	...	...	...	R. W. Howard
Spencer	Roane	789	24	32.2	− 1.4	65	16	1	2	39	2.58	−1.82	0.76	3.5	9	5	10	16	...	A. M. McKown
Summersville	Nicholas	1,894	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	J. O. McMillion
Sutton	Braxton	850	22	33.5	− 0.1	70	14†	− 3	4	48	2.65	−2.37	0.95	6.0	9	20	0	11	...	C. B. Eakle
Union[c]	Monroe	2,250	24	34.5	+ 1.9	63	16	− 4	2	56	2.16	−1.45	1.13	6.5	7	12	6	8	...	W. M. H. Young
Wayne	Wayne	598	1	...	...	...	...	...	...	...	3.20	...	0.90	...	12	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	18	32.6[a]	+ 0.7	69[a]	13	− 2	1†	44[a]	2.12	−0.46	0.99	...	7	24	4	3	...	H. E. Green
Williamson	Mingo	673	28	36.2[a]	+ 0.3	71[a]	14†	− 1	3	47[a]	2.34	−1.98	0.73	2.5	11	10	0	21	sw.	A. J. Maynard
State averages and extremes		...	...	32.0	− 0.1	74	17	−14	29	64	2.18	−1.75	1.30	4.0	8	11	7	13	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for January, 1928

Stations	Drainage basin	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
nhandle Division																																	
vard ‖	Potomac	1.04	.03	.12	T.					.21	.03							.14		T.	1.18	.27	.09	.18	*				.64	.58		.21	4.52
ndywine	do									.05										.60						.30			.20				1.19
rpers Ferry ‖‖	do									T.										.18	.68					.28			.08				1.22
rtinsburg ‖	do	.20							.05	.12										.38	.12	T.				.16	T.		.05	.10			1.18
eenfield	do																					T.							.12				0.12
dmont	do																			.98					.31				T.				1.29
aney ‖	do																		.38		.18							.01					0.57
ny River Dam	do	.18	.16							.05	.04							.38		.12	.52		.24			.48			.21				2.71
per Tract	do							T.									T.	T.			.40				.50				.16		T.		1.06
rdensville ‖	do									.22							T.	T.		.45					.51	T.				.12	.02		1.32
orthern Division																																	
rdeen	Monongahela	.12	T.						.13	.21						T.		.20		.73	.05	.01			.29	.67			.03	T.		.08	2.52
na (near)	Ohio	.02							.16	.04								.03		.58					.62	.17			.02				1.64
s Run	do	.21							.18	.08								.02		.51	T.	T.			.47				.08				1.58
son	Monongahela	.05	.01				T.		.14	.17								.19		.52	.10	.08	T.		.30	.48	T.	T.	.02	.01		.01	2.08
ownsville	do	.08							.17	.18								.11		.76	.03	.02			.28	.70		.04	.04	T.		.08	2.49
ceeton Mills	do	.08	T.					T.	T.	.23					T.	T.		.30		.75	T.	.06			.72	.14	T.	T.	.22	.01			2.51
klannen	do	.10	T.						.35					T.				.20		1.00	T.				.36	.10			.18	.05		.10	2.44
ro	Little Kanawha	.05	T.						.29	T.						T.		.05	.17	.50	T.	T.			.80	T.		T.	.07				1.93
ksburg ‖	Monongahela	.25							T.	.27					T.	T.	T.	.13		.25	.44	.01				.70				T.		T.	2.05
tland	do												.48				.25	.45	.60					.85		.32	.08	.56				.24	3.83
wford	Little Kanawha	.01							.52	.10								.15		.87	T.				.32	.30			.07	T.	.04		2.41
ston ‖‖	Monongahela	.23							T.	.45							T.	.19		.44	.36	T.				.88	T.		.05	T.		.02	2.62
n 19, Mon. R. ‖	Ohio	.32								.17								.14			.65					.74							2.02
a 12, O. R.	do	.15							.07	.11					.06			.13			.49	.02				.75		.03					1.81
13, O. R.	Monongahela	.18							.02	.11					.05			.14			.54	.01				.70	.01		.02				1.78
n 15, Mon. R. ‖	do	.12							.02	.08		T.			.03			.11		.17	.42	.04	.04			.66			.03				1.72
is ‖	do	.15	.06	T.						.16				.04	.01		.01	.42		.45	.64	.20	.02			.56	.30		.20	.09		.05	3.36
abeth (D'm 3 L. K.)	Little Kanawha	.08								.37								.18		.27	.67					.81			.04				2.42
ns ***	Monongahela	.06	T.	T.					.02	.07				T.	T.	T.	T.	.47	.42	.61	.03	.04			.59	.25		.04	.10		.11	T.	2.81
nwood	do	.19	.03	T.		T.		.20	.14	.01				.02	T.	T.				.63	.32	.01		.29	.06				.23		T.	.06	2.19
mont ‖	do	.15		T.					T.	.21					T.		T.	.07		.15	.35	.02				.70	T.	T.	.04				1.69
ville ‖	Little Kanawha	.12							.10	.42								.12		.43	.18	.06				.72			.05			.10	2.33
fton ‖‖	Monongahela																																
ner	do								.60	.16			.40					.20	.08	.20	.52									.24			2.40
ton	do	.10								.06						T.		.54		.94	T.	.10			.46	.40			.35				2.95
dew (near)	do	.08							.10									.08		.75					.10	.67						.10	1.88
Creek	do	.05							.11	.17				T.	T.	T.	T.	.20		.71	.07	.03	T.		.23	.53			.03	.02		T.	2.23
mington	do	.07	.02						.10	.08					.02			.10		.67	.04	.02	T.		.31	.60			.05	.01			2.09
gantown	do	T.							T.						T.	T.		.15		.72	T.	.01	T.		.42	T.							1.30
Cumberland ‖‖	Ohio	.17	.02	T.					.10	.18	.02				.08	.03		.02			.49		.08			.80	.03		.04	.01			2.07
Martinsville	do	T.							.10										.10	.60	T.	T.			.55	.35			T.				1.70
kersburg ***	do	.02	T.					T.	.21	.02					T.	T.		.03	.12	.35	.01	T.			.68	T.		.02	T.	T.			1.46
ons	Monongahela																																
ons No. 2	do	.20								.12	.02				T.		T.	.39		.39	.58	.09				.79	.05		.07	.06		.05	2.81
ippi	do	*	*	.05	.08				.13	.27						T.		.35	T.	*	.46	.10	.40		*	.55		T.	.32		*	.32	3.03
ens	do	.15	.24						.08					T.				.80	T.	1.13	T.	.08			.63	.48			.56	.16	.08	.16	4.55
oke	do	.04	T.							.24	.20			T.				.10		.96	.01	T.			.36	.56		.01	T.		T.	.07	2.55
lesburg ‖	do	.30	T.							.21	.07					.02		.32	.02	.34	.64	.03				.95	.05		.08	.07		.06	3.16
t Marys ‖	Ohio	.29							.05	.32		T.						.04		.08	.25	.02				.78							1.83
hfield ‖	Fishing Creek	.16							.05					.14				T.	.06						.01	.03			T.	.13			0.58
Alta	Monongahela	.10	T.	.04					.03	.37	T.				.01	T.	T.	.41		.74	.05	.01			.25	.73			.05	.01		.01	2.81
Chapel	do			.12					.16	.22										.82		.05			.28	.48			.08			.16	2.37
lalia	do																																
sburg	Ohio							T.	.15						.10		.09	.08		.45		.02			.45	T.			.08	T.			1.45
Milford	Monongahela								.15				.20					.27			.90				.70								2.22
on	do	.40								.40								.20		.40	.50					.80			.13			.16	2.99
ling ‖	Ohio	.13	T.						.05	.10					.05			.13			.60	.01				.71	T.	T.	.02				1.80
llands ‖	do	.07			.04				.04	.15								.09		.01	.52	T.	T.			.87			T.	T.	T.	T.	1.79
thern Division																																	
vale	Great Kanawha	T.								.22				.08	.08		.03	.14		.86	T.	.04			.60	.21			.04		T.	T.	2.30
roft ‖‖	do	.04							.10	.42								.12		.46	.52	T.				.74			T.	.02		.04	2.46
ley	do																																
ield	do		.06							.69	.03							.03	.10	.65		.02			.30	.02			.32			.31	2.53
len-on-Gauley ‖‖	do	T.	T.						.62												1.10	T.		T.		.68		T.			T.	T.	2.40
leston ‖‖	do	.05								.38								.02		.42	.52					.64			.10		.15		2.28
‖	do	.09							.12	.14	.02				.02			.18	.31	.32	.56	.08				.78	T.		.03	.01		.09	2.75
6 G. K. ‖	do									.30										.43	.46					.70							1.89
19 O. R. ‖	Ohio	.10	T.						T.	.25					T.		T.	T.		.18	.48	T.				.85			.02				1.88
20 O. R. ‖	do	.08							T.	.30								.02		.26	.32					.84							1.82
25 O. R. ‖	do	.12							.01	.34								T.		.44	.45	T.				.75			.04	T.			2.15
26 O. R. ‖	do								.03	.38								.02		.60		.25	.02			.60							1.90
‖	Big Sandy	T.	T.							.34									.07	.41	.21	T.	T.			.41			.16	T.		.24	1.84
n ‖	do								.05	.09									.01	.93	.46					.47			.10		.05	.09	2.25
wha Falls ‖	Great Kanawha	.24								.18								.05	.05	.45	.68					.80							2.45
rd ‖‖	do	.13	.03						T.	.19	.01							.01	.12	.56	.55	.01				.70			.16	.01	T.	.06	2.54
it ‖	Big Sandy		.10							.35									.22	.80	.20					.60			.10			.10	2.47
burg	Great Kanawha								.08	.12									.16	1.19					.20	T.			T.			.04	1.79
‖	Guyandotte									.38	T.							T.	.20	.86	.58					.80			.12			.16	3.10
ton	Great Kanawha	T.							T.	.16				T.	.20		.13	.06	.12	1.30		T.			1.02	.05			T.		T.		3.04
Cave	do																		.20	.65	.08										.16		1.09
Pleasant ‖	Ohio	T.	T.						.18	.40										.46	.51	.03				.61		T.	T.	T.	T.		2.19
lton	Great Kanawha	.08								.30								.20		1.00					.30				.20				2.08
swood (Dam 22)	Ohio								.05	.40	T.							.06	T.	.45	.38					.80							2.14
tsburg ‖	Great Kanawha	.13	T.	T.					.06	.34					.02			.04		.53	.33					.53			T.	T.			1.98
	do	.12							.29					.01				.05	.13	.90	T.	.03			.61	.20			.04		T.	.08	2.46
les ‖	Coal River									.22								T.	.08	.85	.92					.98			T.			.22	3.27
er ‖	Great Kanawha	.08							.11	.36					T.		.10		T.	.58	.41	T.				.76			.03			.10	2.58
ersville	Gauley																																
	do	.16							.20									.12	.10	.95		.08			.80				.16	.08	T.	T.	2.65
	do									.23									.11	1.13					.17				.16		.16	.20	2.16
‖	Big Sandy	.18							.02	.48					.01			.03		.67	.78					.90			.05	.02	.01	.05	3.20
Sulpr. Spgs ‖	Great Kanawha								.18										.99	.45	.01				.38			.05			.06		2.12
mson ‖	Big Sandy	.02	.08							.07								.01	.09	.61	.51					.73			.02	.10		.10	2.34

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xcept as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

Trace, or less than 0.01 inch. ††† Probably incomplete.

Daily Temperatures for January, 1928

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	61	3	7	16	22	40	51	48	42	35	50	51	54	58	69	56	57	48	50	43	13	31	40	....	....	....	....	....	....	41	42	.....
	Minimum	-3	-8	-2	-3	0	19	37	34	33	28	32	27	27	37	42	30	40	30	37	12	1	7	31	....	....	....	....	....	....	-6	1	.....
Brandywine	Maximum	53	10	18	20	35	46	52	50	50	48	46	57	58	55	60	60	60	58	50	44	22	35	42	42	40	35	35	25	20	32	36	41.7
	Minimum	8	3	-1	-3	10	17	34	27	35	22	22	32	34	34	45	34	36	34	40	22	10	10	24	18	28	20	25	11	-2	15	10	21.1
Martinsburg§	Maximum	18	20	25	31	42	62	67	52	50	52	65	54	70	64	67	55	58	54	50	37	23	42	53	46	38	47	35	21	25	27	....	45.0
	Minimum	17	7	7	10	10	18	27	37	37	35	38	37	32	32	32	32	32	40	38	35	14	14	20	20	20	22	11	11	11	5	6	22.8
Moorfield	Maximum	61	27	28	33	46	64	66	59	53	52	67	60	67	69	67	55	67	61	55	50	26	45	58	57	46	46	....	27	28	29	40	50.3
	Minimum	11	6	2	1	9	16	37	31	35	26	28	30	31	39	52	35	37	29	42	24	13	14	25	18	29	27	....	10	7	9	29	23.4
Piedmont	Maximum	36	10	14	22	34	50	56	45	43	44	53	54	59	61	56	48	62	52	48	46	29	38	44	38	44	38	30	28	24	26	35	40.9
	Minimum	5	1	5	8	8	25	44	38	38	35	39	34	30	45	42	32	35	37	41	16	9	14	21	20	23	23	8	10	8	8	10	23.0
Romney	Maximum	14	16	21	30	52	60	63	....	51	...	61	64	60	67	64	64	55	54	45	32	32	48	47	44	40	28	37	19	22	25	....	43.4
	Minimum	9	3	3	8	10	20	43	38	....	34	....	32	30	39	52	32	34	40	40	30	11	9	28	18	15	24	9	6	9	10	10	22.3
Upper Tract	Maximum	10	15	18	30	40	42	59	55	50	48	....	60	60	63	65	61	64	56	52	49	20	...	40	41	46	....	37	30	30	26	35	43.0
	Minimum	6	1	0	0	15	16	18	29	39	29	....	24	41	39	55	40	37	29	39	20	9	....	13	16	30	27	11	9	7	5	15	21.3
Northern Division																																	
Bens Run	Maximum	36	11	25	24	34	49	55	53	42	42	52	53	59	67	64	63	62	48	55	48	20	38	47	42	49	35	31	27	33	27	37	42.8
	Minimum	4	2	1	4	3	29	38	38	36	34	32	26	42	40	44	35	41	30	38	9	9	14	31	24	25	14	13	8	6	11	12	22.5
Buckhannon	Maximum	39	10	12	19	30	46	52	49	42	42	51	54	54	64	61	62	60	51	58	45	20	35	44	48	48	38	35	20	20	29	35	41.2
	Minimum	3	-1	2	-2	6	21	39	36	39	33	35	27	40	43	45	39	47	35	39	19	10	9	30	23	22	23	13	8	0	19	21	23.0
Cairo	Maximum	27	12	17	25	35	49	55	45	45	43	57	53	57	66	62	63	62	45	55	41	22	40	49	48	30	40	36	27	23	29	39	41.8
	Minimum	4	2	-5	-4	5	18	30	40	36	30	29	22	38	44	44	39	32	28	35	18	9	6	29	26	20	15	8	8	-3	12	6	20.1
Clarksburg §	Maximum	5	11	14	22	36	49	57	45	42	45	56	58	58	65	60	64	49	52	58	29	20	40	48	49	33	37	35	13	22	29	44	40.2
	Minimum	5	0	-1	-1	1	20	35	36	36	34	31	23	25	39	42	37	38	30	31	29	10	9	19	19	20	23	9	8	0	1	10	20.0
Creston	Maximum	48	48	47	47	59	50	55	54	44	45	58	57	62	68	67	65	61	50	57	56	50	48	48	47	51	36	36	33	33	33	42	50.3
	Minimum	3	1	-2	-3	5	18	29	35	37	33	32	23	39	39	48	38	44	31	37	23	10	21	27	21	28	23	10	6	3	14	11	22.1
Elkins	Maximum	17	6	10	21	33	50	53	49	40	43	54	57	57	63	62	61	60	50	53	36	12	37	44	47	34	35	33	20	19	32	38	39.6
	Minimum	-3	-4	2	-2	17	28	37	40	34	32	39	27	48	42	44	43	12	35	36	10	6	11	24	19	21	18	9	5	1	6	29	22.2
Fairmont§	Maximum	6	12	20	28	38	45	59	45	42	42	57	55	59	65	59	54	46	52	55	29	20	43	50	47	31	30	37	14	26	28	37	39.7
	Minimum	4	0	0	3	4	18	34	38	41	34	34	29	29	29	40	35	36	31	21	28	9	9	19	21	27	20	11	8	4	5	12	20.5
Glenville	Maximum	37	13	13	29	39	53	60	49	45	49	61	59	60	69	69	66	65	53	61	60	23	43	52	48	52	41	37	35	26	31	44	46.5
	Minimum	2	-1	-3	-4	2	16	29	34	37	33	28	21	35	38	53	40	45	32	38	21	10	7	25	20	28	24	11	8	-1	12	5	20.8
Lost Creek	Maximum	39	10	13	21	32	47	57	53	43	43	54	54	56	64	64	62	61	51	55	49	18	39	45	45	47	31	35	32	20	28	36	42.0
	Minimum	0	-2	-2	0	1	21	38	35	39	32	35	21	37	39	44	36	45	30	35	18	8	5	30	19	25	20	7	5	-1	8	4	20.4
Mannington	Maximum	38	11	13	21	31	46	54	51	43	39	54	52	58	64	63	63	62	49	55	47	19	37	45	46	48	37	32	30	20	27	35	41.6
	Minimum	3	0	-2	-3	6	21	34	37	38	34	28	24	36	38	42	35	41	28	39	18	9	6	29	20	25	18	8	7	-3	4	6	20.2
Morgantown	Maximum	37	7	12	20	31	45	53	52	44	39	54	52	58	63	62	61	61	49	67	47	17	36	44	50	48	37	31	29	19	26	36	41.5
	Minimum	1	-2	1	5	14	26	40	41	36	32	35	30	46	37	38	31	37	31	38	15	4	7	32	30	22	21	10	7	4	7	12	22.2
New Cumberland§	Maximum	7	13	15	23	35	44	44	42	41	43	50	55	55	63	44	60	45	42	53	22	18	38	46	47	30	32	30	15	20	25	....	36.6
	Minimum	4	1	-2	-1	5	18	33	38	35	33	34	35	35	51	35	31	31	28	28	21	9	8	16	24	27	20	9	7	1	4	8	19.6
New Martinsville	Maximum	40	14	15	25	35	50	54	49	44	41	57	54	59	66	65	62	74	46	55	47	25	39	48	46	49	35	32	29	22	27	39	43.3
	Minimum	0	-1	-2	-1	11	25	32	35	34	30	28	24	42	31	40	32	37	27	34	15	7	8	30	20	21	22	8	4	1	5	7	19.6
Parkersburg	Maximum	20	12	17	25	35	50	55	49	42	47	58	57	57	68	62	63	62	50	56	39	22	40	47	50	37	36	31	21	23	27	39	41.8
	Minimum	3	2	3	4	20	31	42	40	36	35	39	26	49	41	40	39	36	34	39	16	12	18	29	27	26	21	14	8	8	18	16	25.0
Parsons	Maximum	30	9	6	19	31	50	57	45	44	43	56	58	59	59	50	60	57	52	52	43	16	37	40	40	40	35	28	9	28	31	35	39.3
	Minimum	3	-1	3	3	10	20	20	44	31	29	29	28	29	30	45	45	35	34	41	16	7	14	17	16	22	22	14	8	4	4	18	20.6
Philippi	Maximum	40	6	10	19	31	43	54	56	50	41	55	55	58	63	62	60	61	51	57	43	14	35	45	50	26	36	32	27	18	29	40	40.9
	Minimum	-2	-4	-2	0	9	25	40	47	35	31	35	27	47	41	39	37	41	31	41	14	11	6	29	...	22	21	9	5	2	7	14	22.0
Pickens	Maximum	27	7	9	18	30	44	49	46	42	41	51	53	60	57	54	57	57	53	52	36	10	36	41	46	42	34	33	21	20	35	40	38.7
	Minimum	-9	-10	-10	-11	5	17	29	19	18	18	29	21	33	34	39	40	39	30	31	7	-1	-1	24	20	14	13	5	-2	-14	3	5	14.0
Terra Alta	Maximum	36	1	5	11	25	40	47	46	40	33	50	46	50	57	56	54	53	45	45	43	10	28	36	44	41	20	25	25	11	25	31	31.9
	Minimum	-4	-6	-2	0	11	22	38	36	32	28	33	28	34	36	33	29	36	30	39	10	2	7	27	16	16	15	-4	3	0	-5	11	17.9
Wellsburg	Maximum	36	13	24	33	25	45	51	47	42	38	51	48	56	64	61	51	62	43	54	48	16	36	45	44	41	34	30	29	20	26	35	40.3
	Minimum	3	2	3	13	2	12	31	39	35	34	33	35	35	34	36	27	35	26	29	13	10	13	34	20	23	22	9	15	5	15	8	21.0
Weston	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Wheeling§	Maximum	9	15	20	27	37	42	50	42	55	44	57	56	60	65	52	62	52	41	51	23	22	43	52	48	32	33	34	16	24	25	40	39.8
	Minimum	0	1	3	0	4	16	32	40	34	30	31	29	31	34	35	40	32	22	25	12	6	6	15	22	25	20	9	6	0	2	10	18.5
Southern Division																																	
Bluefield	Maximum	..	7	13	27	36	50	56	....	54	48	60	60	58	59	....	65	60	57	58	48	26	....	46	48	47	43	38	33	...	45	40	45.5
	Minimum	....	-7	1	0	13	24	39	..	38	29	38	32	45	41	....	45	53	47	46	25	9	....	13	30	25	27	24	5	....	0	28	25.8
Charleston§	Maximum	12	16	19	28	39	55	60	42	45	55	67	63	66	69	62	66	56	52	61	32	35	38	52	32	35	35	32	18	20	34	35	43.0
	Minimum	-2	-5	-5	-4	-2	14	21	29	31	25	25	29	29	42	42	38	38	40	40	32	18	16	21	28	30	28	18	13	10	12	20	21.6
Gary §	Maximum	6	12	17	28	40	55	61	41	46	54	63	64	65	68	66	68	61	55	63	35	25	46	53	55	33	45	40	13	23	43	38	44.7
	Minimum	4	-3	-3	-1	-1	5	22	28	32	24	24	27	28	34	36	40	40	51	50	33	14	10	14	23	25	23	19	10	0	13	21	20.7
Lewisburg	Maximum	52	12	13	24	34	49	54	51	43	48	57	55	59	61	63	57	60	53	50	60	43	37	45	43	60	44	38	35	20	33	34	41.7
	Minimum	1	-3	-2	3	9	13	28	31	36	28	30	26	33	30	52	41	43	43	41	24	9	12	21	19	23	26	17	6	3	15	16	21.7
Marlinton	Maximum	26	8	10	20	32	48	50	44	42	42	52	46	52	54	56	48	56	48	44	40	14	32	40	34	38	34	32	20	20	30	32	36.9
	Minimum	-4	-6	-2	-2	6	12	26	26	28	26	24	20	22	26	42	38	40	34	38	14	4	6	14	14	22	22	10	4	-2	12	14	17.0
Point Pleasant	Maximum	27	12	20	25	38	50	50	46	48	50	60	58	60	68	65	65	62	52	55	45	35	40	50	42	50	40	38	30	25	30	40	44.4
	Minimum	-2	-4	0	0	8	21	35	36	36	25	35	22	40	41	46	33	39	30	40	12	10	15	16	20	28	25	13	8	10	12	[illegible]	21.6
Ravenswood	Maximum	33	13	12	24	35	49	55	53	44	48	59	58	60	68	67	64	63	48	57	51	23	22	42	46	51	33	33	30	24	30	42	43.3
	Minimum	2	2	1	0	6	22	32	37	36	30	36	23	49	41	46	36	43	31	40	21	11	7	19	24	28	25	11	8	8	16	12	22.7
Robertsburg§	Maximum	15	12	18	27	38	52	58	44	42	50	60	60	60	69	62	68	58	50	58	35	24	42	50	50	35	40	35	16	27	30	42	42.8
	Minimum	3	1	-1	-1	1	14	30	36	36	26	28	24	24	40	40	35	35	38	38	31	13	12	21	25	31	25	11	8	8	12	15	21.3
Ryan	Maximum	28	11	15	23	35	50	55	42	45	50	57	55	58	68	62	65	63	44	55	44	22	39	47	44	44	35	34	28	23	29	35	42.1
	Minimum	0	-2	-6	-6	1	13	24	32	21	30	24	32	34	36	48	33	44	32	38	21	8	5	22	17	25	17	8	5	1	9	5	18.5
Spencer §	Maximum	4	13	15	25	36	50	55	45	46	49	59	59	61	63	60	65	51	51	57	41	40	31	49	50	34	42	35	15	24	30	40	41.8
	Minimum	2	1	3	2	5	22	36	35	37	28	40	21	46	42	35	38	38	31	33	41	10	31	10	22	29	25	11	6	3	6	13	22.6
Sutton	Maximum	52	10	12	21	32	53	57	57	47	46	57	58	60	70	70	60	60	52	50	50	30	42	50	51	51	37	36	30	24	31	37	44.9
	Minimum	4	-1	-2	-3	5	27	30	33	37	30	29	33	35	39	41	40	41	36	40	23	11	6	20	24	27	25	15	9	2	15	24	22.1
Union	Maximum	....	52	16	23	34	50	56	....	57	47	56	56	58	62	....	63	60	59	53	49	36	...	46	47	48	42	41	39	....	34	35	46.9
	Minimum	....	-4	3	1	8	15	28	....	31	27	32	24	35	30	....	40	48	46	42	28	10	....	12	21	25	21	18	6	....	1	23	22.1
White Sulphur Spgs§	Maximum	19	20	28	39	54	60	52	46	55	61	63	63	69	65	62	64	58	52	37	23	42	51	49	37	45	42	14	21	35	44	....	45.8
	Minimum	-2	0	-2	-1	10	24	26	32	24	25	25	25	28	31	43	42	41	42	28	11	10	13	16	18	20	14	7	4	9	17	18	19.4
Williamson §	Maximum	10	10	19	31	38	62	62	53	46	58	64	67	67	71	68	71	64	58	62	35	30	47	54	54	39	48	44	18	23	35	....	46.9
	Minimum	1	0	-1	1	9	15	30	35	37	28	29	31	46	41	43	45	47	46	50	33	17	16	18	31	32	30	21	9	11	15	21	25.4

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 3-27 28—850)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVI Parkersburg, W. Va., February, 1928 No. 2

GENERAL SUMMARY

February was considerably warmer and drier than usual, with an excess of cloudiness. The lowest temperature was 3° below zero, and the temperature fell to zero at only three stations—Bayard, Pickens and Terra Alta. The precipitation was favorably distributed over the State and throughout the month, excessive precipitation not being noted in any section. The rivers were generally at low stages. During the first of the month boating was impeded by floating ice. The snowfall was about two-thirds of the normal, and the ground was bare in the agricultural districts practically the entire month. Work on the land was practically at a standstill. The condition of wheat was reported as fair to good.

TEMPERATURE

The monthly mean for the State, determined from 47 stations, was 34.6°. The departure from the normal for 38 stations having ten or more years of record was +2.3°. The month opened cold, but much warmer weather set in on the 3d and the temperature continued above the normal until the 18th. Moderately low temperature prevailed from the 18th to the 22d and from the 23d to the 27th, the lowest temperature of the month occurring generally on the 2d, 19th, and 21st. The highest temperature was noted on the 4th and 8th.

PRECIPITATION

The average precipitation for the State, determined from 84 stations, was 2.50 inches. The departure from the normal for 56 stations having ten or more years of record was —0.54 inch. The precipitation was heaviest over the northwest counties and the northern mountain regions, and was lightest over the extreme eastern counties. The greater part of the precipitation was received on the 5th, 7-9th, 14-15th, 18-19th, and the 23d-24th, the greatest amounts being measured on the 5th, 14th, and 23d. Most of the snowfall occurred on the 10-11th and 18-19th, but in the more elevated districts there was light to moderate snow on the 1st, 9th, 15- 17th, 20th, 22-26th, and 29th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bayard, 5th; Clay, 8th and 17th; Crawford, 5th; Davis, 5th; Glenville, 8th; Pickens, 11th, 15th, and 16th; Terra Alta, 5th, 11th, 15th, and 16th; Wheeling, 13th and 28th.

Sleet: Davis, 17th; Martinsburg, 16th; Marlinton, 14th; Roanoke, 8th; Rowlesburg, 7th.

Halos, solar: Parkersburg, 22d and 28th.

Thunderstorms: Bayard, 9th and 10th; Martinsburg, 9th; Parkersburg, 23d; Pt. Pleasant, 23d; Weston, 14th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.14	81	72	79	122.2	39	5,614	8.1	26	sw.	14
Columbus, Ohio	30.11	84	70	75	112.7	36	6,974	10.0	36	w.	20
Elkins	30.14	82	66	71	88.1	28	4,831	6.9	25	w.	23
Lexington, Ky	30.17	80	69	....	119.3	38	9,175	13.2	35	nw.	18
Parkersburg	30.14	80	60	70	98.0	31	4,242	6.1	26	sw.	27
Pittsburgh, Pa	30.12	76	64	72	106.6	34	7,915	11.4	36	sw.	15
Wytheville, Va	30.13	78	60	66	153.0	49	5,100	7.3	26	nw.	20

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 01 inch or more	Clear	Partly Cloudy	Cloudy
1891	38.1	....	....	5.39	....	....	....	....	....	....	....
1892	37.1	72	−12	2.30	....	....	....	9	....	....	....
1893	35.0	71	− 6	4.81	6.70	1.65	....	12	....	....	....
1894	33.4	74	− 5	3.99	7.48	2.05	....	10	9	7	12
1895	22.8	79	−17	1.27	2.44	0.61	....	7	10	9	9
1896	33.4	62	− 5	3.31	6.23	1.50	....	17	7	8	14
1897	36.8	70	3	5.95	8.18	3.00	....	11	7	7	14
1898	32.7	74	−13	1.81	3.38	0.64	....	9	10	8	10
1899	26.1	69	−35	4.32	6.43	2.25	19.0	14	7	5	16
1900	30.7	83	−11	3.94	5.62	2.31	10.0	12	5	10	13
1901	27.1	62	− 6	0.86	1.66	0.10	4.1	7	8	8	12
1902	26.7	68	−14	3.20	5.65	1.33	8.1	10	6	7	15
1903	35.3	74	−19	5.99	9.59	2.58	8.6	11	10	6	12
1904	29.3	80	−13	2.37	4.55	0.52	8.1	10	12	9	8
1905	25.6	56	−22	2.34	4.65	0.80	8.1	11	8	6	14
1906	32.4	79	−11	1.60	3.34	0.46	8.1	7	15	6	7
1907	31.1	68	−23	2.55	4.83	0.67	11.1	9	9	8	11
1908	30.9	72	−10	3.72	6.26	1.77	15.8	12	7	8	14
1909	40.4	80	− 5	4.16	7.68	1.44	3.4	13	7	8	13
1910	31.5	72	−11	3.18	6.56	0.98	13.5	8	9	8	11
1911	38.7	76	− 6	2.03	3.92	0.40	4.8	7	8	8	12
1912	27.3	70	−17	2.45	5.08	0.72	6.4	7	10	8	11
1913	32.6	80	− 4	2.27	6.15	0.21	4.7	7	13	6	9
1914	28.4	70	−22	3.64	6.96	1.63	19.7	10	9	7	12
1915	38.4	72	− 2	3.07	6.33	0.90	3.6	10	10	5	13
1916	31.4	72	−12	4.30	9.19	1.79	13.2	11	8	6	15
1917	31.0	80	−14	3.29	7.73	1.26	10.1	9	9	7	12
1918	35.4	81	−19	3.12	6.60	0.45	3.8	9	11	6	11
1919	35.2	72	− 2	1.85	3.93	0.35	3.5	9	11	5	12
1920	31.3	69	− 4	2.71	5.49	1.49	9.3	12	7	5	17
1921	37.4	79	−10	2.61	4.90	1.10	10.8	9	8	5	15
1922	38.2	77	−14	2.89	5.57	0.94	6.3	11	8	7	13
1923	30.4	70	−20	3.68	7.38	0.75	7.8	12	7	5	16
1924	31.6	74	−16	3.21	8.18	0.84	12.2	11	8	6	15
1925	39.8	80	− 5	2.49	4.32	0.35	2.0	8	10	6	12
1926	34.9	72	− 3	4.01	8.88	1.20	18.1	13	6	5	17
1927	40.9	79	6	4.49	8.64	2.40	11.0	15	7	6	15
1928	34.6	72	− 3	2.50	6.06	0.40	6.4	11	8	6	15
1891-1928	33.0	83	−35	3.21	9.59	0.10	9.1	10	8	7	13

Climatological Data for February, 1928

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	27	30.1	+ 2.7	57	8	− 3	19	49	5.63	+2.24	1.29	18.0	13	10	4	15	sw.	U. G. Clark
Brandywine	Pendleton	1,586	12	33.6	− 0.2	58	4†	12	19†	36	0.85	−0.88	0.50	......	3	16	1	12	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	39	......	......	......	......	......	......	......	2.18	+0.05	1.15	T.	6	......	......	......	......	J. C. Newcomer
Martinsburg	Berkeley	435	36	33.8^{a}	+ 3.8	70^{a}	4	13	1†	49^{a}	2.38	−0.05	0.90	T.	7	18	7	4	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	32	38.0	+ 5.7	71	8	10	1	46	1.84	−0.51	1.20	T.	4	24	3	2	......	M. S. Henkel
Piedmont	Mineral	1,053	15	32.7	+ 0.2	61	4	11	1†	28	1.77	−0.89	0.63	......	4	11	4	14	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	30	33.8^{e}	+ 1.6	62^{e}	3†	10^{d}	1	51^{b}	......	......	......	......	......	7	11	11	......	George E. Bergdoll
Stony River Dam	Grant	3,300	8	......	......	......	......	......	......	......	1.83	......	0.35	10.0	15	1	8	20	w.	A. C. Becker
Upper Tract	Pendleton	1,230	29	35.6^{b}	+ 3.4	65^{b}	8	10^{b}	20	44^{b}	0.40	−1.18	0.40	......	1	10^{j}	0^{j}	9^{j}	......	J. M. Mallow
Wardensville	Hardy	1,200	11	32.8^{a}	......	66^{a}	4†	5	1	46^{a}	1.74	......	0.75	0.5	4	7^{h}	10^{h}	4^{h}	......	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	4	......	......	......	......	......	......	......	2.41	......	0.48	5.5	12	4	10	15	w.	L. Else Bond
Alma (near)	Tyler	......	1	......	......	......	......	......	......	......	2.97	......	0.46	6.0	15	3	10	16	......	D. N. Furbee
Bens Run	Pleasants	652	26	35.6	+ 3.8	61	8	11	2†	29	3.80	+0.61	0.74	9.0	13	8	11	10	......	J. D. Riggs
Benson	Harrison	1,080	5	36.0	......	66	4	4	21	42	2.32	......	0.43	5.0	14	5	10	14	......	R. D. Marts
Brownsville	Lewis	1,032	5	36.6	......	63	4†	8	21	41	2.19	......	0.36	6.4	12	9	5	15	......	George M. Myers
Bruceton Mills	Preston	1,549	11	......	......	......	......	......	......	......	5.21	+1.85	1.42	27.5	11	0	12	17	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	31	35.0	+ 3.5	60	8	12	2†	37	2.80	−1.07	0.60	7.0	9	8	7	14	......	H. A. Darnall
Cairo ††	Ritchie	680	29	34.8	+ 2.3	64	8	8	2	32	2.57	−0.91	0.47	1.5	12	8	5	16	......	O. C. Hess
Clarksburg	Harrison	1,015	6	33.0	......	60	8	5	21	40	2.05	......	0.34	5.7	13	10	2	17	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	17	......	......	......	......	......	......	......	3.08	−0.81	0.80	21.0	9	1	22	6	......	G. W. Harmon
Crawford	Lewis	1,107	5	......	......	......	......	......	......	......	2.11	......	0.37	5.3	11	9	7	13	w.	George W. Blair
Creston	Wirt	640	26	37.6	+ 4.8	63	4	10	2	37	2.83	−0.06	0.37	5.6	11	7	0	22	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	7	......	......	......	......	......	......	......	2.60	......	0.51	......	15	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	12	......	......	......	......	......	......	......	2.89	+0.66	0.69	......	11	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	12	......	......	......	......	......	......	......	3.07	+0.75	0.68	......	14	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	7	......	......	......	......	......	......	......	2.41	......	0.54	6.0	15	......	......	......	......	Lockmaster
Davis	Tucker	3,093	19	......	......	......	......	......	......	......	3.27	−0.91	0.60	15.6	15	2	7	20	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	16	......	......	......	......	......	......	......	2.40	−0.26	0.42	5.5	11	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	27	32.8	+ 1.2	59	8	9	19	36	2.53	−0.76	0.56	7.5	18	3	6	20	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	3	......	......	......	......	......	......	......	2.87	......	0.50	14.0	15	2	4	23	s.	Claude A. Cunningham
Fairmont	Marion	883	22	33.0	......	65	4†	9	21†	41	2.87	−0.26	0.56	7.0	14	9	4	16	w.	J. C. Robinson
Glenville	Gilmer	738	34	37.6	+ 4.9	66	8	11	2	41	2.50	−1.23	0.66	5.0	12	8	10	11	w.	Howard R. Brannon
Grafton	Taylor	1,000	35	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	T. D. Smith
Horner ††	Lewis	1,044	5	......	......	......	......	......	......	......	3.85	......	1.25	6.0	......	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	3	......	......	......	......	......	......	......	2.72	......	0.64	18.5	10	5	4	20	w.	J. W. White
Janelew (near)	Lewis	1,020	5	36.6	......	62	4†	8	21	37	2.01	......	0.46	5.5	8	11	6	12	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	30	34.4	+ 3.4	62	8	5	19†	35	2.07	−0.99	0.46	5.8	11	7	8	14	w.	Allen Smith
Mannington	Marion	985	25	34.0	+ 3.0	60	8	5	21	34	2.94	+0.15	0.59	6.3	15	6	6	17	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	35	34.1	+ 2.8	61	8	7	19	31	2.87	−0.18	0.50	10.5	9	1	5	23	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	30	29.2^{a}	+ 2.1	60^{a}	8	2	21†	42^{a}	4.16	+1.76	1.40	5.2	15	8	5	16	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	34	33.7	+ 1.5	62	8	6	21	35	4.05	+1.07	0.80	4.0	13	6	6	17	s.	Wm. Ankrom
Parkersburg	Wood	638	41	35.8	+ 1.6	63	4	16	19	26	2.73	−0.62	0.48	2.1	19	6	4	19	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	28	32.8	+ 3.1	57	8	11	19†	34	3.06	−0.35	......	7.0	9	7	6	16	......	J. W. Swisher
Parsons No. 2	Tucker	......	2	......	......	......	......	......	......	......	2.43	−0.99	0.38	9.8	13	5	10	14	......	Robert T. Deem
Philippi ††	Barbour	1,550	31	32.9^{c}	+ 1.7	58^{c}	4	5^{c}	18	33^{d}	3.71	+0.34	0.80	16.0	19	10	4	15	w.	Prof. Elwyn F. Chase
Pickens	Randolph	2,697	25	28.5	− 2.2	56	7†	− 1	2†	51	6.06	+0.99	1.17	35.0	13	5	3	21	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	5	......	......	......	......	......	......	......	2.17	......	0.35	5.5	14	5	5	19	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	41	......	......	......	......	......	......	......	3.30	−0.11	0.56	4.5	16	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	19	......	......	......	......	......	......	......	3.58	+0.38	0.63	3.0	13	......	......	......	sw.	Wm. Hughes
Smithfield	Wetzel	850	22	......	......	67	6	......	......	......	1.55	−2.07	0.86	1.5	5	10	6	13	......	Everett V. Price
Terra Alta	Preston	2,559	27	28.0	+ 0.2	53	5	0	22	41	2.94	−0.83	0.57	6.9	19	2	9	18	w.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	5	37.4	......	68	9	10	19	38	1.78	......	0.40	3.0	7	9	12	8	w.	J. C. Campbell
Vandalia	Lewis	1,120	5	......	......	......	......	......	......	......	3.06	......	1.10	......	4	......	......	......	......	Creed H. McCue
Wellsburg	Brooke	668	21	34.2	+ 6.7	67	8	4	19†	41	3.59	+0.44	0.98	12.0	13	5	9	15	w.	George P. Pfister
West Milford	Harrison	979	3	......	......	......	......	......	......	......	2.22	......	0.60	......	7	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	33	35.4	+ 3.5	61	4†	9	2	35	2.58	−1.16	0.40	6.0	12	5	13	11	......	Weston State Hospital
Wheeling	Ohio	645	41	30.8	0	60	4†	2	19	43	3.29	+0.77	0.65	7.5	14	9	7	13	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	1	......	......	......	......	......	......	......	3.15	......	0.76	5.5	14	9	6	14	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	2	......	......	......	......	......	......	......	2.25	......	0.95	5.5	9	10	5	14	w.	H. S. Sutton
Bancroft	Putnam	574	24	35.6	+ 1.9	65	4†	12	2	45	2.33	−0.58	0.55	1.5	12	10	0	19	ne.	R. E. Dent
Bluefield ^{e}	Mercer	2 558	33	37.0	+ 3.1	60	4†	9	20	34	1.53	−1.52	0.46	2.6	12	9	5	10	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	13	......	......	......	......	......	......	......	1.29	−1.93	0.44	T.	5	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	25	36.3	− 2.1	60	3†	18	2†	42	2.12	−1.45	0.70	......	10	9	0	20	......	R. O. Fields
Clay	Clay	706	12	......	......	......	......	......	......	......	2.11	−1.20	0.37	......	14	......	......	......	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	2	......	......	......	......	......	......	......	1.75	......	0.62	......	9	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	12	......	......	......	......	......	......	......	2.82	+0.25	0.65	......	13	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	12	......	......	......	......	......	......	......	3.01	0	0.68	......	13	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	1	......	......	......	......	......	......	......	2.43	......	0.81	1.0	13	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	12	......	......	......	......	......	......	......	2.19	......	0.69	1.0	11	......	......	......	......	U. S. Engineer Office
Gary^{b}	McDowell	1,426	12	36.7	......	66	4	13	27	41	1.16	−2.49	0.26	2.0	8	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	31	36.6	+ 2.6	67	4	15	19	46	0.85	−2.20	0.27	T.	11	12	4	13	......	Mrs. M. L. McClung
Kanawha Falls	Fayette	618	9	......	......	......	......	......	......	......	1.80	......	0.43	......	11	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,336	12	......	......	......	......	......	......	......	1.84	−1.04	0.34	4.8	14	......	......	......	......	Cabin Creek Con. Coal Co
Kermit	Mingo	579	2	......	......	......	......	......	......	......	1.85	......	0.35	4.0	12	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	28	35.2	+ 3.2	61	4	11	19	40	1.57	−1.39	0.48	T.	5	6	8	15	nw.	Geo. T. Argabrite
Logan	Logan	700	25	......	......	......	......	......	......	......	1.96	−1.94	0.35	......	9	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	29	29.8	+ 6.2	56	4	6	3	40	3.07	−0.43	1.32	5.5	7	4	14	11	nw.	S. L. Brown
Organ Cave	Greenbrier	......	2	......	......	......	......	......	......	......	2.44	......	0.65	2.5	6	9	0	20	w.	J. J. Hedrick
Point Pleasant	Mason	595	35	35.7	+ 2.1	60	4†	11	26	36	2.46	−0.96	0.62	0.5	11	8	1	20	w.	Miss Grace E. Henson
Powellton ^{e}	Fayette	904	34	39.4	+ 2.6	64	4	15	20	36	......	......	......	......	......	......	......	......	......	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	5	36.7	......	61	13	10	2	42	2.26	......	0.48	......	11	7	0	22	nw.	Lockmaster
Robertsburg	Putnam	570	28	35.2^{d}	+ 2.3	65^{d}	4	11	2	45^{d}	2.20	−0.82	0.46	1.0	13	5	0	24	......	M. Frazier
Ryan	Roane	700	25	33.8	+ 0.6	60	4†	7	2	41	2.57	−0.80	0.56	5.5	15	6	6	17	......	Wm. E. Ryan
Sharples	Logan	......	8	......	......	......	......	......	......	......	1.75	......	0.40	......	9	......	......	......	......	R. W. Howard
Spencer ††	Roane	789	24	35.8	+ 2.0	64	4	10	21	40	2.41	−0.63	0.47	5.5	12	2	12	15	......	A. M. McKown
Summersville	Nicholas	1,894	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. O. Mc Million
Sutton	Braxton	850	22	36.4	+ 1.9	61	4†	11	25	37	2.75	−0.55	0.48	15.0	9	14	0	15	......	C. B. Eakle
Union^{d}	Monroe	2,250	24	37.0	+ 3.9	60	6	12	20	35	1.45	−1.26	0.30	3.0	11	6	4	15	......	W. M. H. Young
Wayne	Wayne	598	1	......	......	......	......	......	......	......	1.72	......	0.32	T.	12	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	18	34.9^{a}	+ 0.3	65^{a}	3	11	26	47^{a}	1.15	−3.07	0.45	......	7	22	3	4	......	H. E. Green
Williamson	Mingo	673	28	38.9^{a}	+ 2.8	72^{a}	4	18	2	48^{a}	1.89	−1.26	0.36	3.2	16	10	1	18	sw.	A. J. Maynard
State averages and	extremes			34.6	+ 2.3	72	4	− 3	19	51	2.50	−0.54	1.42	6.4	11	8	6	15	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means.

† Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for February, 1928

Stations	Drainage basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Panhandle Division																																	
Bayard‖	Potomac	T.	.06			.46	.05		T.	1.06	.11		.43		T.	1.11	.07		.11	.68	T.			.09		1.29	.11						5.63
Brandywine	do					.10			.25						.50																		[illegible]
Harpers Ferry‖	do					.01			.64		.02		T.			1.15	T.		.16					.50									[illegible]
Martinsburg‖	do								.05	.10	T.	T.	.03	T.	T.	.90		.10	.15	T.	T.			.55									[illegible]
Moorefield‖	do					1.20			.02			.02			.60																		1.84
Piedmont	do					.33		T.	.36	T.					.63				T.					.45									1.77
Romney‖	do							.15																									+++
Stony River Dam	do	.08				.22	.08	.05	.25	.15	.04	.08			.05	.35			.16	.16	.08				.04		.04						1.83
Upper Tract	do								T.	T.	T.				.40			T.						T.									[illegible]
Wardensville‖	do								.49			T.	.05		.75					T.				.45						T.			1.74
Northern Division																																	
Aberdeen	Monongahela	T.				.33		.09	.20	.35	T.	.13	T.		.23	.09	.03	T.	.48	.05	T.			.18	.25		T.			T.			2.41
Alma (near)	Ohio				.01	.46		.22	.30	.21		.04			.45	.05	.04	.08	.38	.01			.04	.43	.25								2.97
Bens Run	do				.05	.74		.45	.11			.08			.49		.13	.10	.45					.45	.48		.08			.16			3.80
Benson	Monongahela	.01				.39		.12	.16	.43	T.	.07			.25	.06	.04	.01	.40	.03	T.			.13	.22		T.						2.32
Brownsville	do	T.				.31		.13	.23	.30	T.	.10	T.		.12	.12	.05		.36	.05	T.			.20	.22	T.				T.			2.19
Bruceton Mills	do	.02			T.	1.42		.18	.35	.20	T.	.52			.27	T.	T.	T.	1.20	.24	T.		T.	.76		T.	.02			T.			5.21
Buckhannon	do	T.				.50		.60	T.	.45		.40	T.		.20	.15	.05		.40	.05	T.					T.	T.			T.			2.80
Cairo	Little Kanawha	T.				.47		.25	.35	.08	T.	.07			.36	.03	.05	.26	.15	T.	T.		T.	.45		T.	T.			.05			2.57
Clarksburg‖	Monongahela	T.				.34	.03	T.	.29	.30	.02	.04	T.		.02	.27	.02	T.	.34	.08	T.			.15	.15	T.	T.						2.65
Cortland‖	do		.16	.32	.25		.30					.80			.45		.24							.40		.16							3.08
Crawford	Little Kanawha	T.				.37		.23	.12	.32	.03	.13			.16	.09	T.		.28	T.				.07	.31		T.						2.11
Creston‖	Monongahela	T.				.50	T.		.36	.21	T.	.15	T.		.31	.31	T.	T.	.30	.30	T.			.37	.21	.01	T.						2.83
Dam 10, Mon. R.‖	Ohio					.45			.33	.18	.05	.06	.25		.02	.27	.08	.03	.06	.22	.04			.25	.31								2.60
Dam 12, O. R.‖	do					.06			.53	.25	.07	.06	.05		.10	.69	.01	.01	.32	.14				.34	.28								2.89
Dam 13, O. R.‖	Monongahela						.03	.02	.47	.32	.04	.11			.10	.68	.02	.01	.25	.23				.40	.36								3.07
Dam 15, Mon. R.‖	do	T.				.46	.02		.54	.16	.04	.08	.04		.03	.23	.06		.14	.16	.03	T.		.26	.22								2.41
Davis‖	do	T.	.05			.47	.05	.01	.27	.22	.24	T.	.20		.04	.60		T.	.11	.33	T.	.16		.18	.24		.10						3.27
Elizabeth (D'm 3 L K)	Little Kanawha					.26			.42	.18		.12			.15	.23	.04		.10	.20				.42	.28								2.40
Elkins***	Monongahela	.03			T.	.52		.09	.44	.21	.02	.28		T.	.24	.04	.04	.03	.28	.04	.02		.06	.09	.17	T.	T.			.13			2.53
Evenwood	do				.19	.15		.11	.15	T.	.40	.36			.29	.02	T.	T.	.34	.16	.04	.12	.04	.50	T.		.02			T.			2.87
Fairmont‖	do		T.			.54	T.		.46	.12	.02	.08	.02		.10	.31	.03	T.	T.	.24	.16	.04		.56	.19								2.87
Glenville‖	Little Kanawha		.05			.32			.26	.25	.08	.12				.34	.12		.14	.52				.22			.08						2.50
Grafton‖	Monongahela																																
orner	do							.30	1.25	.40									.50			.16			.40			.60		.24			3.85
orton	do					.12		T.	.21	.26		.64			.52	.06	T.		.48		.17			.12	.14					T.			2.72
anelew (near)	do					.20		.10		.46		.15		.15	.15				.45							.35							2.01
ost Creek	do	T.			T.	.32		.07	.07	.46	T.	.09	T.		.28	.07	.05	T.	.42	T.	T.			.10	.14		T.			T.			2.07
annington	do	T.			T.	.59		.15	.15	.26		.13	T.		.36	.11	.04	.04	.36	.04	.02			.45	.19		T.			.02			2.94
organtown	do	T.				.50			.21	.17		.24			.48	T.	T.	T.	.48	.08			T.	.46	.25		T.			T.			2.87
ew Cumberland‖	Ohio	.02	.04			.74			.54	.35	.03	.03			.26	1.14	.10	.05	.20	.04	T.			.44	.18								4.16
ew Martinsville	do	T.			.10	.80		.30	.30	.20		.10			.65	.10		.10	.35	T.	T.			.45	.50					.10			4.05
Parkersburg***	do	T.			.16	.25		.24	.18	.01	.01	.03		.03	.27	.01	.06	.13	.13	.05	.01		.48	.35		T.	.01			.29			2.73
arsons	Monongahela				*			*	1.10	.16		.24			*	.90	T.	T.	.16				.50			T.				T.			3.06
arsons No. 2	do		T.			.31	.02	T.	.24	.33	.15	.16	.08		T.	.33	T.		.20	.17		.01		.10	.28		T.	T.					2.13
hilippi	do	.02				*	.35	.10	*	.45		*	.40		.20	.40	.80	T.	*	.65			.04	.08	*	*	.18			.04			3.71
ickens	do					.15		.15	.05	.75		.72	.16	.08	.96	.16		T.	.96	.64		T.		1.17			.08			T.			6.66
oanoke	do					.34		.15	.19	.35	.01	.14	.01		.12	.11	.02	T.	.25	.06	T.			.14	.28		T.			T.			2.17
owlesburg‖	do	.04	.02			.47	.04	.01	.37	.56	.07	.09	.14			.45			.25	.29				.15	.29					.06			3.30
aint Marys‖	Ohio					.63			.46	.12	.13	T.			.05	.45	.03	.03	.40	.20	.03			.55	.50								3.58
mithfield‖	Fishing Creek					.85			.14	T.		.12				.30							.13										1.55
erra Alta	Monongahela	.08			.01	.50	.01	.01	.19	.39	.01	.31	T.		.57	.09	.05	.02	.33	T.	.01		T.	.09	.24	T.	.02			.01			2.94
alley Chapel	do					.40		.30				.10			.28				.30					.20	.20								1.78
anda ia	do					.90		.20																		1.10		.86					3.06
ellsburg	Ohio	T.			.35	.63		.37	.07	.30	.05	.10					.20	.05	.55	.40			.10	.42									3.59
est Milford	Monongahela					.40			.60				.10		.30	.09				.38				.35									2.22
eston	do	T.				.30	.10		.30	.35		.16			.10	.20		.05	.16	.16				.40	.30								2.58
heeling‖	Ohio	T.				.36			.50	.33	.05	.06	.06		.10	.65	.02	.02	.25	.22				.35	.32		T.						3.29
oodlands‖	do					.76	.02			.26	.02	.08	.01		.13	.67	.05	.01	.29	.07				.41	.37								3.15
Southern Division																																	
bovale	Great Kanawha	T.				.07			.40	T.		.24			.95	T.	.04		.06	.02	T.		.08	.39		T.	T.						2.25
ncroft‖	do					.45	.05		.19	.10		T.			.08	.38	.08	.05	.04	.08				.55	.25								2.33
ckley	do																																
efield	do					*	.46	.06	.08	.05		.01		.02	.21				.18		.20			.19	.07								1.53
mden-on-Gauley‖	do	T.	T.				.10		.33	.20					.44	T.						T.	T.	.22	T.		T.						1.29
arleston‖	do					.70	.02		.26	.24					.04	.20	.06		.26					.14	.20								2.12
v‖	do					.37	.18		.19	.23	.11	.01	T.			.19	.05	.02	.33	.09	.11			.21	T.		.02						2.11
m 6 G. K.‖	do					.62	.14		.23	.19					.03	.15	.05		.20					.14									1.75
m 19 O. R.‖	Ohio					.50	.05		.34	.16	T.	.02			.01	.40	.04	.02	.22					.65	.40		.01						2.82
n 20 O. R.‖	do					.32	.07		.43	.22		.05	T.		.04	.37	.05	.05	.27	.02	T.			.68	.44								3.01
n 25 O. R.‖	do					.34	.04	.04	.12	.15			T.		.04	.36	.02	.01	.10	.05	T.	T.		.81	.37			T.					2.43
a 26 O. R.‖	do					.40	.06		.22	.12	T.				.06	.30	.06		.16	.05				.60	.16								2.19
v‖	Big Sandy					.26			.19			T.	T.		.14	.11	.05		.20	.16		.05											1.16
ton‖	do					.04	.05		.27	.06		.01	T.		.09	.03	.01		.14	.06				.09									0.85
awha Falls‖	Great Kanawha					.28	.43		.10	.22	.04					.15	.05	.04	.25					.04	.20								1.80
ford‖	do					.30	.17		.12	.25	.02	T.			.01	.12	.05	.01	.34	.18	T.	T.		.08	.18	T.	.01	T.					1.84
mit‖	Big Sandy				.35	.12		.12	.15					.12	.15	.10	.12		.10	.30			.10	.12									1.85
isburg	Great Kanawha					.18		.09	.48			T.		T.	.39		T.		T.	T.			T.	.43			T.						1.57
an‖	Guyandotte					.30	.22		.19	T.					.20		.35	T.	.30	.08				.15	.17								1.96
linton	Great Kanawha	T.				.14		.24	.31	.52		.40			1.32		T.	T.	T.				.10	.04			T.		T.				8.07
m Cave	do				.30		.60	.20						.65	.65	.04																	2.44
t Pleasant‖	Ohio					.36	.04	T.	.26	.19		T.	T.		.03	.36	.05	T.	.20	.06	T.	T.		.62	.38								2.46
elton	Great Kanawha																																
nswood (Dam 22	Ohio					.24	.07		.36	.25	T.	.03	T.		.04		T.	.06	.22	.04	T.			.48	.47								2.26
rtsburg‖	Great Kanawha					.46	.09	.11	.25	.09					.10	.20	.07	.02	.15	.08				.45	.10								2.20
n	do					.56		.17	.40	.12	.01	.05			.25	.10		.09	.26	.05	T.		T.	.10	.26	T.				.03			2.57
ples‖	Coal River					.30	.18			.40		.02			.02	.30				.20				.10	.23								1.75
cer‖	Great Kanawha	T.				.34	.05	T.	.27	.26	T.	.12			.13	.22	T.	.04	.24	.08	T.		.47	.19	T.								2.41
nersville	Gauley																																
n	do	T.				.45		.10	.25	.35	T.	.40			.48	T.	T.		.32	.32			T.		T.		.08						2.75
n	do	.08	.08	.04		*	.29	.04	.30	.05		T.			.20				.15		T.		T.	.22	T.								1.45
ne‖	Big Sandy					.29	.11	.01	.15	.12					.11	.16	.06	T.	.17	.02				.32	.20								1.72
e Sulpr. Spgs‖	Great Kanawha				.03	.08		.45	.08					.10	.28			.13															1.15
amson‖	Big Sandy	.05	.01			.34	.20	.03	.15	.11	.05				.05	.36	.07	.01	.20	.05	.05				.16								1.89

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete.

Daily Temperatures for February, 1928

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	35	31	51	53	52	42	51	57	53	30	31	34	48	43	41	33	40	33	28	28	25	47	54	50	43	37	41	43	46	....	....	41.4
	Minimum	22	12	7	22	37	17	20	36	23	22	23	20	3	32	28	28	27	19	−3	19	4	−2	29	20	9	6	20	20	24	....	....	18.8
Brandywine	Maximum	40	43	50	58	58	46	42	57	57	35	35	38	40	40	42	42	40	40	35	35	32	40	48	44	31	30	42	42	45	....	....	42.3
	Minimum	24	20	19	22	35	27	30	40	32	26	25	24	15	32	32	30	26	26	12	27	15	14	35	31	18	16	12	22	34	....	....	24.9
Martinsburg§	Maximum	42	41	39	70	52	36	36	53	46	41	39	44	46	45	48	50	47	44	39	41	35	44	61	44	28	35	52	48	....	....	....	44.5
	Minimum	13	22	21	21	23	18	18	30	34	33	32	31	17	18	32	38	36	32	15	16	15	14	19	34	20	13	17	20	21	....	....	23.1
Moorfield	Maximum	48	45	47	68	63	40	47	71	66	44	40	47	54	46	49	47	49	47	40	40	38	45	64	62	39	37	52	55	58	....	....	49.9
	Minimum	10	20	21	22	38	22	31	35	38	31	29	29	19	34	34	35	33	30	15	32	15	14	33	34	18	15	20	23	24	....	....	26.0
Piedmont	Maximum	37	35	40	61	53	36	39	60	47	35	34	39	46	38	42	41	43	37	33	36	28	39	45	42	30	27	45	49	52	....	....	41.0
	Minimum	11	19	22	36	35	21	25	35	29	28	30	28	19	32	33	36	32	22	12	24	11	12	32	29	15	12	20	23	24	....	....	24.4
Romney	Maximum	29	42	62	55	43	....	....	57	42	....	41	45	44	45	42	42	42	34	37	28	43	62	....	51	33	44	44	55	....	....	....	44.2
	Minimum	10	21	22	21	41	17	....	....	30	31	....	29	17	22	32	37	34	32	13	18	13	11	32	..	17	14	24	22	22	....	....	23.3
Upper Tract	Maximum	....	39	50	64	63	58	50	65	58	38	41	42	46	47	46	46	45	45	38	37	37	59	58	46	38	33	....	48	54	....	....	47.8
	Minimum	....	15	19	24	25	24	33	41	32	28	29	28	28	17	22	32	32	20	12	10	14	15	32	28	16	15	....	19	25	....	....	23.5
Northern Division																																	
Bens Run	Maximum	39	36	54	60	54	49	50	61	45	48	38	46	53	51	47	38	38	34	30	34	33	45	58	53	28	29	47	47	46	....	....	44.5
	Minimum	30	11	25	34	38	28	33	45	32	31	30	26	25	39	35	31	32	21	11	25	11	18	34	24	17	16	19	23	30	....	....	26.8
Buckhannon	Maximum	36	33	50	58	50	50	58	60	50	34	34	38	52	54	46	37	43	38	39	34	28	41	57	51	31	27	45	47	47	....	....	43.7
	Minimum	32	12	13	28	37	36	34	48	30	28	28	18	22	39	34	33	33	20	12	25	13	17	35	27	15	17	20	29	29	....	....	26.3
Cairo	Maximum	38	37	54	60	54	48	49	64	50	41	38	46	51	51	45	38	40	34	30	36	33	47	57	50	25	28	47	51	49	....	....	44.5
	Minimum	20	8	22	28	40	27	31	37	31	30	30	22	21	39	36	33	31	22	10	25	9	16	36	22	23	15	18	23	27	....	....	25.2
Clarksburg §	Maximum	38	36	54	59	47	44	54	60	35	36	35	47	55	59	40	38	41	34	34	31	32	48	58	35	26	27	46	49	48	....	....	43.1
	Minimum	13	10	14	20	43	31	29	32	35	29	30	19	20	22	35	34	32	32	10	12	5	12	20	27	15	16	12	24	27	....	....	22.8
Creston	Maximum	40	40	56	63	61	57	53	62	51	37	39	47	52	51	49	49	43	38	33	35	35	47	59	58	45	33	48	51	50	....	....	47.6
	Minimum	29	10	19	27	40	31	34	43	30	31	31	23	42	40	31	33	32	21	15	29	11	16	35	25	15	17	17	45	29	....	....	27.6
Elkins	Maximum	39	33	52	59	54	48	56	59	37	30	32	37	47	47	39	35	44	33	35	32	27	42	56	44	21	25	42	45	46	....	....	41.2
	Minimum	22	15	16	32	37	35	35	37	26	25	27	22	17	39	32	31	32	14	9	16	11	11	42	19	13	13	21	30	30	....	....	24.4
Fairmont§	Maximum	37	39	54	65	42	43	52	65	35	38	36	46	56	58	37	38	43	33	33	31	34	46	56	36	27	32	48	53	43	....	....	43.3
	Minimum	12	14	15	24	41	27	29	34	35	29	29	23	22	26	35	35	32	32	10	10	9	9	20	27	10	12	18	22	19	....	....	22.3
Glenville	Maximum	42	41	59	65	58	59	54	66	60	37	37	49	54	55	48	39	45	40	35	36	52	47	61	60	37	32	50	53	53	....	....	49.1
	Minimum	31	11	18	24	40	35	32	42	30	30	28	22	20	37	34	33	30	20	14	28	26	15	34	26	15	17	16	26	27	....	....	26.2
Lost Creek	Maximum	36	36	51	56	56	45	53	62	56	34	35	45	51	56	45	35	36	36	30	34	31	43	57	56	32	28	44	48	48	....	....	44.0
	Minimum	31	13	16	31	38	29	31	47	30	28	29	16	19	40	34	33	30	19	5	26	5	11	33	25	13	15	20	25	28	....	....	24.8
Mannington	Maximum	37	35	52	58	54	45	50	60	56	37	36	40	50	55	47	38	39	34	27	33	27	45	57	55	31	27	45	47	47	....	....	43.6
	Minimum	28	11	19	28	38	25	28	42	31	29	30	18	19	36	35	34	31	22	7	25	5	11	34	25	15	16	23	18	26	....	....	24.4
Morgantown	Maximum	36	35	51	58	54	46	54	61	48	34	33	39	52	51	46	36	40	34	25	32	25	46	55	54	29	26	44	45	45	....	....	42 6
	Minimum	30	16	24	44	35	25	30	46	28	26	28	24	26	34	33	32	31	18	7	21	9	15	34	25	13	13	21	22	33	....	....	25.6
New Cumberland§	Maximum	37	32	50	50	44	45	50	60	35	38	36	38	50	45	37	38	37	30	33	24	26	44	47	30	19	28	43	44	....	....	....	38.9
	Minimum	9	11	13	30	34	20	20	34	32	27	28	23	21	22	34	33	31	28	5	3	2	2	21	20	10	6	8	19	20	....	....	19.4
New Martinsville	Maximum	39	37	54	58	53	49	51	62	50	39	39	45	52	52	48	38	38	34	29	35	32	47	56	53	30	29	48	48	46	....	....	44.5
	Minimum	26	11	20	32	35	24	28	44	29	27	27	19	19	36	32	32	29	19	7	8	6	12	32	20	14	13	19	18	26	....	....	22.9
Parkersburg	Maximum	39	37	54	63	50	47	53	61	40	37	38	47	51	51	41	39	37	33	34	34	33	46	58	34	26	29	46	49	48	....	....	43.3
	Minimum	25	20	28	46	33	29	40	40	32	31	31	28	29	41	35	34	33	17	16	21	16	24	34	21	18	17	25	27	32	....	....	28.4
Parsons	Maximum	33	36	42	52	42	45	52	57	45	35	31	33	47	45	42	42	42	35	32	30	26	42	55	52	26	29	42	45	47	....	....	40.
	Minimum	18	19	16	18	36	32	30	45	28	21	28	24	18	37	33	33	31	19	11	26	11	12	36	26	16	17	19	29	27	....	....	24.
Philippi	Maximum	35	52	58	54	54	56	56	....	34	32	41	51	51	44	35	41	35	27	32	28	45	57	53	25	26	44	46	46	...	....	....	42.
	Minimum	....	13	22	28	32	32	37	....	26	26	21	22	24	39	32	31	30	5	8	21	8	17	36	22	13	12	18	25	33	....	....	23.
Pickens	Maximum	37	35	50	52	42	46	56	56	41	29	30	38	45	46	38	32	42	33	30	30	29	40	53	43	30	26	35	34	54	....	....	39.
	Minimum	21	−1	−1	24	21	28	32	37	19	18	20	17	11	32	24	25	20	9	3	11	−1	10	33	17	7	7	9	26	24	....	....	17.
Terra Alta	Maximum	31	29	44	46	53	34	45	50	50	26	26	32	36	40	40	29	33	33	23	26	19	41	49	49	25	20	35	35	38	....	....	35.
	Minimum	26	11	12	39	33	17	25	41	23	21	23	20	10	32	29	28	25	14	5	17	3	0	28	20	8	6	15	17	31	....	....	20.
Wellsburg	Maximum	38	31	50	61	52	53	50	67	50	45	38	45	61	62	56	39	39	33	35	30	34	48	50	50	27	27	44	45	47	....	....	45.
	Minimum	23	15	25	35	35	22	28	38	30	28	28	15	20	34	34	34	31	24	4	20	4	8	33	21	14	8	23	17	27	....	....	23.
Weston	Maximum	42	38	55	61	55	45	54	61	58	40	35	43	51	48	36	38	42	40	36	38	36	46	60	55	35	26	45	55	50	....	....	45.
	Minimum	29	9	20	31	42	32	31	50	30	33	29	21	22	24	32	30	30	20	13	20	11	18	25	20	11	18	22	26	32	....	....	25.
Wheeling§	Maximum	39	37	53	60	50	50	50	60	38	42	38	47	52	50	40	38	38	32	30	30	30	44	49	38	27	35	53	50	50	....	....	43
	Minimum	10	12	18	33	20	20	20	32	32	15	30	12	20	20	30	30	30	27	2	5	4	5	15	18	13	10	10	16	24	....	....	18.
Southern Division																																	
Bluefield	Maximum	40	42	55	60	....	60	50	56	54	37	35	....	46	49	46	37	53	45	....	40	38	....	56	56	34	....	44	49	55	....	....	47
	Minimum	32	18	27	38	....	30	32	46	32	25	27	....	24	30	32	31	29	11	...	9	16	....	27	27	17	....	15	30	36	...	....	26
Charleston§	Maximum	40	40	60	60	44	54	56	56	42	40	38	54	48	54	38	40	42	35	40	36	40	42	50	31	28	36	46	54	50	....	....	44
	Minimum	25	18	18	24	34	35	38	44	39	33	32	20	26	26	38	35	34	32	18	28	20	20	29	31	21	20	20	20	33	....	....	28
Gary §	Maximum	43	45	60	66	....	48	58	60	42	39	44	52	51	54	41	39	51	32	36	44	41	46	62	37	....	33	47	54	55	....	....	47
	Minimum	28	17	17	22	29	....	37	40	38	31	31	25	25	29	37	34	30	30	14	22	18	18	23	32	22	....	13	14	22	....	...	25
Lewisburg	Maximum	42	41	52	61	55	48	40	57	56	38	38	43	39	45	50	37	49	55	31	46	37	40	55	56	35	30	45	50	55	....	....	45
	Minimum	29	16	17	21	39	31	30	37	32	27	27	25	21	21	34	31	27	16	11	28	13	17	34	29	17	16	17	30	22	...	....	24
Marlinton	Maximum	34	36	46	56	48	44	36	56	42	32	28	36	38	40	40	36	44	38	26	34	30	36	52	42	32	28	40	46	50	....	....	39
	Minimum	22	8	6	16	32	28	28	34	26	24	24	22	12	28	30	28	26	14	8	20	10	12	30	22	14	12	10	18	18	....	....	20
Point Pleasant	Maximum	40	40	56	60	55	55	50	60	50	40	40	48	50	52	45	45	38	38	34	35	35	47	55	55	45	45	48	56	55	....	....	4
	Minimum	20	12	20	25	35	30	40	43	30	30	30	20	25	35	20	20	20	18	13	20	20	20	35	22	15	11	21	25	25	....	....	2
Ravenswood	Maximum	40	39	55	60	58	51	52	52	51	42	39	47	61	55	48	41	39	35	32	35	36	47	58	57	34	30	49	50	51	....	....	4
	Minimum	30	10	22	18	39	31	39	48	30	32	31	23	24	40	36	33	33	22	16	30	12	21	35	24	16	14	21	22	32	....	....	2
Robertsburg§	Maximum	41	41	58	65	48	56	54	62	....	....	....	....	50	51	40	40	38	26	36	36	38	48	61	35	25	32	49	52	55	...	....	4
	Minimum	15	11	13	22	35	33	33	41	36	33	32	21	23	29	36	34	34	26	16	17	13	16	28	27	17	14	18	20	30	...	....	2
Ryan	Maximum	37	38	55	60	48	52	55	60	47	34	35	45	46	48	42	55	48	31	32	36	33	44	56	45	27	26	46	50	55	...	....	43
	Minimum	29	7	14	20	39	33	33	37	29	29	30	18	19	36	29	34	27	17	10	26	8	16	33	23	13	13	12	23	22	....	....	2
Spencer §	Maximum	40	39	56	64	49	56	54	62	36	36	38	45	54	50	39	38	41	34	35	37	50	60	36	26	27	50	50	52	54	....	....	[illegible]
	Minimum	31	15	17	38	42	32	38	42	32	28	27	22	21	40	33	31	30	30	12	15	10	37	25	15	14	18	16	25	40	....	....	[illegible]
Sutton	Maximum	39	40	53	61	61	57	58	60	60	35	38	45	48	48	47	44	45	45	32	37	37	38	61	61	40	33	46	51	51	....	....	[illegible]
	Minimum	23	12	19	25	38	36	33	37	30	30	30	23	21	35	34	33	31	20	14	27	13	16	37	24	11	18	15	29	26	...	....	[illegible]
Union	Maximum	40	39	52	59	....	60	44	58	57	36	38	....	46	45	48	39	53	51	....	41	42	41	55	59	40	....	47	50	55	...	....	[illegible]
	Minimum	30	17	20	24	....	32	32	38	34	28	28	....	24	32	35	31	28	19	....	12	14	20	33	31	19	....	17	25	27	...	....	[illegible]
White Sulphur Spgs§	Maximum	45	58	65	55	37	43	61	44	35	38	49	43	50	41	41	56	36	35	44	40	43	59	40	35	36	50	54	59	....	....	....	[illegible]
	Minimum	18	16	18	23	32	31	32	36	28	29	27	19	23	35	32	28	28	12	17	15	13	20	31	18	18	11	27	19	30	....	....	[illegible]
Williamson§	Maximum	41	48	63	72	51	56	60	65	41	38	50	55	53	55	41	39	44	30	42	44	45	50	68	41	30	37	53	57	....	...	....	[illegible]
	Minimum	36	18	19	24	35	34	43	48	40	34	35	27	28	31	37	34	32	29	20	21	20	21	29	31	22	19	19	20	32	..	....	[illegible]

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 4-12-28—850)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVI Parkersburg, W. Va., March, 1928 No. 3

GENERAL SUMMARY

March was somewhat colder than usual, with the precipitation practically normal. Cold weather prevailed the greater part of the month, but the temperature fell to zero or below at only one station. The precipitation was well distributed. The average snowfall, 16.3 inches, was the heaviest of March State record, except in 1914, when the March average was 17.7 inches. Most of the snow for March, 1928, was received late on the 17th and during the night of the 17-18th, when the falls averaged near 10 inches, being the heaviest snowfall for several years. Melting snow during the last decade and moderately heavy rain on the 30th caused a moderate rise in the Ohio River. March conditions were favorable for fruit, buds being dormant at the close of the month. The conditions were unfavorable for wheat, the ground being bare during the cold periods of the month.

TEMPERATURE

The monthly mean for the State, determined from 44 stations, was 41.4°. The departure from the normal for 36 stations having ten or more years of record was —1.7°. With the exception of a day or two the weather was cold until the 11th. Cold weather also prevailed from the 16th to the 22d and on the 27-28th and 30th-31st, with the lowest temperature occurring generally on the 4th and 6th. The warmest weather prevailed from the 11th to the 14th and the 22d to the 27th, with the highest temperatures being general on the 13th, 26th, and 29th.

PRECIPITATION

The average precipitation for the State, determined from 83 stations, was 3.87 inches. The departure from the normal for 54 stations having ten or more years of record was +0.01 inch. The precipitation was heaviest in the western and central counties and lightest in the extreme eastern and southeastern counties. The greater part of the precipitation was received on the 1st, 9th, 14th, 16-18th, 26-27th, and 30th, the greatest amounts being measured on the 18th and 30th. Most of the snowfall occurred on the 17-18th, when the fall was especially heavy; but light to moderate snow also fell in many localities on the 1st, 3d, 19th, 20th, 27th, and 30th.

HAIL

On the 30th light hail fell in sections of Gilmer, Harrison, Lewis, Mason, Tucker, Upshur, and Wood counties.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 12th and 26th; Bancroft, 23d and 24th; Clay, 23d; Hinton, 26th; Parkersburg, 23d; Saint Marys, 23d; Stony River Dam, 10th, 16th, and 17th; Wardensville, 13th; Wheeling, 23d.

Sleet: Wheeling, 4th; Stony River Dam, 10th; Bayard, Cortland, Creston, Parkersburg, and Roanoke, 16th; Wheeling, 22d.

Thunderstorms (dates and number of stations reporting): 13th, 3; 19th, 1; 21st, 1; 22d, 4; 23d, 2; 25th, 4; 26th, 15; 27th, 13; 29th, 11; 30th, 21.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.00	76	59	66	217.0	58	6,406	8.6	33	w.	26
Columbus, Ohio	29.98	76	63	64	178.8	48	8,266	11.1	50	nw.	26
Elkins	29.99	84	61	64	156.7	42	5,039	6.8	28	w.	27
Lexington, Ky	30.01	77	65	....	141.8	38	9,549	12.8	42	nw.	26
Parkersburg	30.00	80	55	64	171.8	46	4,980	6.7	30	nw.	26
Pittsburgh, Pa	29.96	75	61	63	193.8	52	8,699	11.7	40	w.	27
Wytheville, Va	29.97	75	52	58	208.0	56	5,437	7.2	37	w.	30

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	34.9	.....	.....	4.91	.....	.....	.....	.....	.....	.....	.....
1892	36.4	87	8	3.50	.....	.....	.....	.....	.....	.....	.....
1893	40.7	84	3	1.49	2.89	0.89	5.2	9	8	8	15
1894	45.8	88	1	1.94	3.05	0.75	1.9	8	15	9	7
1895	39.6	90	0	3.05	4.75	0.89	7.9	11	11	9	11
1896	36.1	76	−10	4.45	8.40	1.76	.....	13	10	8	13
1897	46.1	81	12	3.60	6.52	1.33	.....	12	9	10	12
1898	48.5	86	9	5.13	10.05	1.25	T.	12	8	9	14
1899	42.5	76	0	5.82	8.48	2.40	4.5	13	7	9	15
1900	38.5	78	−5	3.79	6.48	2.18	14.7	12	7	9	15
1901	42.9	83	−11	3.23	5.27	0.90	2.3	12	8	8	15
1902	43.4	80	−5	4.30	6.29	3.00	15.0	11	10	9	12
1903	51.3	87	13	4.47	6.59	2.70	0.2	11	10	9	12
1904	43.8	86	7	4.12	6.10	1.38	1.9	11	9	8	14
1905	46.6	88	−2	4.10	6.46	1.45	0.7	10	14	7	10
1906	37.3	75	−7	4.77	8.11	1.98	13.4	14	7	6	18
1907	49.6	94	2	4.77	8.18	1.05	4.2	12	12	8	11
1908	47.8	89	15	6.04	8.60	1.23	1.1	13	11	8	12
1909	40.8	83	10	3.38	8.66	1.10	4.7	13	9	10	12
1910	49.5	90	5	0.55	2.25	0.04	1.1	4	18	9	4
1911	40.5	90	−5	3.30	7.86	1.12	5.2	12	11	8	12
1912	39.9	80	6	5.02	9.36	1.78	5.1	15	8	7	16
1913	45.7	89	−3	4.53	7.90	1.77	2.7	12	11	9	11
1914	37.3	83	−13	3.03	7.11	0.89	17.7	12	10	8	13
1915	34.4	63	7	1.61	4.32	0.53	6.7	8	12	7	12
1916	38.5	88	−4	4.88	9.88	2.49	9.0	13	11	7	13
1917	41.9	85	−3	6.58	14.20	3.10	11.6	14	14	4	13
1918	46.5	85	9	4.26	9.37	1.55	0.1	[illegible]	16	5	10
1919	44.5	81	12	2.92	4.81	1.60	0.8	9	16	6	9
1920	42.8	83	−5	3.38	8.87	1.40	3.1	9	17	5	9
1921	52.7	90	10	2.84	5.75	0.63	T.	10	14	8	9
1922	45.0	85	0	5.33	8.19	1.40	3.3	15	10	5	16
1923	41.7	82	−4	3.23	5.50	0.88	3.2	10	15	5	11
1924	38.9	83	4	4.16	7.86	1.60	9.9	11	10	7	14
1925	43.6	82	−12	3.25	6.59	1.00	2.2	11	12	6	13
1926	35.9	75	−9	2.87	9.82	0.35	10.0	13	10	7	14
1927	45.4	89	5	2.66	4.97	0.20	1.0	9	11	6	14
1928	41.4	86	−3	3.87	7.64	1.32	16.3	12	10	9	12
1891–1928	42.6	94	−13	3.84	14.20	0.04	5.5	11	11	8	12

Climatological Data for March, 1928

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	27	36.0	-1.7	74	26	-3	4	52	7.64	+3.18	1.22	41.4	21	14	8	9	sw.	U. G. Clark
Brandywine††	Pendleton	1,586	12	43.1	+0.7	75	25†	10	6	45	1.25	-1.63	1.00	9.0	2	24	1	6	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	39	......	......	......	......	......	......	......	3.00	-0.06	1.60	14.5	12	......	......	......	......	J. C. Newcomer
Martinsburg	Berkeley	435	36	40.4^{a}	-0.9	82^{a}	24	17	4†	51^{a}	3.16	-0.14	0.93	16.2	13	24	4	3	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	32	44.7	+0.8	84	26	13	6	47	3.33	+0.68	1.40	19.2	6	28	0	3	......	M. S. Heukel
Piedmont	Mineral	1,053	15	39.8	-2.5	80	26	13	4	41	3.43	+0.43	1.03	15.0	6	11	13	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	30	41.4^{c}	-1.2	80^{c}	23†	15^{b}	4	49^{c}	2.27	-0.75	0.80	......	5	8	14	9	......	George E. Bergdoll
Stony River Dam	Grant	3,300	8	......	......	......	......	......	......	......	4.11	......	1.04	33.0	15	1	10	20	w.	A. C. Becker
Upper Tract	Pendleton	1,230	29	41.5^{d}	-1.3	79^{d}	26	12^{d}	6	43^{d}	1.32	-0.98	0.96	14.0	4	12^{a}	0^{a}	18^{a}	......	J. M. Mallow
Wardensville	Hardy	1,200	11	41.1^{a}	......	79^{a}	27	15	7	51^{a}	3.02	......	1.01	15.5	7	6^{h}	6^{h}	11^{h}	......	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	4	......	......	......	......	......	......	......	4.27	......	1.21	2.16	13	3	15	13	w.	L. Else Bond
Alma (near)	Tyler	......	1	......	......	......	......	......	......	......	3.44	......	1.08	14.0	15	5	18	8	......	D. N. Furbee
Bens Run	Pleasants	652	26	42.4	-0.8	79	26	16	6	47	4.12	-0.02	0.95	22.0	12	9	16	6	......	J. D. Riggs
Benson	Harrison	1,080	5	41.4^{d}	......	80^{d}	27	10	6	51^{d}	3.39	......	0.90	10.5	13	3	22	6	......	R. D. Marts
Brownsville	Lewis	1,032	5	43.0^{a}	......	82^{a}	13	11	6	51^{a}	3.66	......	1.04	14.3	11	15	7	9	......	George M. Myers
Bruceton Mills	Preston	1,549	11	......	......	......	......	......	......	......	4.79	+1.38	0.92	43.0	13	2	16	13	w	W. M. Wolf
Buckhannon	Upshur	1,411	31	41.0	-0.6	81	13	14	4	46	6.64	+2.12	1.75	22.5	13	12^{a}	8^{a}	10^{a}	......	H. A. Darnall
Cairo	Ritchie	680	29	41.4	-3.9	78	13†	12	6	44	3.65	-0.50	0.73	10.0	10	13	6	12	......	O. C. Hess
Clarksburg	Harrison	1,015	6	39.5	......	81	13	12	4†	49	3.27	......	0.58	17.0	17	12	8	11	w.	Clarksburg Water Board
Cortland	Tucker	3,300	17	......	......	......	......	......	......	......	4.15	0.00	0.64	30.0	11	2	20	9	......	G. W. Harmon
Crawford	Lewis	1,107	5	......	......	......	......	......	......	......	5.06	......	2.00	18.5	11	12	11	8	w.	George W. Blair
Creston	Wirt	640	26	43.2	-1.0	80	13†	13	6	48	2.79	-1.23	0.70	9.7	11	8	0	23	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	7	......	......	......	......	......	......	......	4.11	......	0.95	15.5	17	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	12	......	......	......	......	......	......	......	4.54	+1.25	1.53	......	15	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	12	......	......	......	......	......	......	......	4.56	+1.55	1.53	......	17	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	7	......	......	......	......	......	......	......	4.18	......	0.93	19.0	17	......	......	......	......	Lockmaster
Davis	Tucker	3,093	19	......	......	......	......	......	......	......	4.73	+0.42	0.96	38.4	16	5	8	18	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	16	......	......	......	......	......	......	......	3.37	-0.71	0.72	14.0	12	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	27	38.1	-1.9	75	26	4	4	45	3.33	-0.74	1.07	23.6	17	2	12	17	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	3	......	......	......	......	......	......	......	4.36	......	1.09	23.5	16	0	11	20	s.	Claude A. Cunningham
Fairmont	Marion	883	22	40.7	-1.3	84	13	11	4	46	3.95	+0.01	1.15	22.0	17	9	10	12	w.	J. C. Robinson
Glenville	Gilmer	738	34	43.6	-0.7	81	13†	13	6	50	4.86	+0.62	1.35	13.2	16	11^{a}	13^{a}	6^{a}	w.	Howard R. Brannon
Grafton	Taylor	1,000	35	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	T. D. Smith
Horner	Lewis	1,044	5	......	......	......	......	......	......	......	4.72	......	1.12	16.0	10	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	3	......	......	......	......	......	......	......	3.47	......	0.81	41.4	13	4	7	20	sw.	I. W. White
Janelew (near)	Lewis	1,020	5	42.8	......	81	13	10	6	49	3.49	......	1.04	17.5	9	19	5	7	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	30	40.4	-1.3	78	13	10	6	47	3.79	-0.30	0.89	16.0	13	7	12	12	w.	Allen Smith
Mannington	Marion	985	25	39.8	-2.1	78	13	9	4	46	4.05	+0.30	0.95	22.2	18	7	10	14	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	35	40.5	-1.5	80	13	13	5†	47	3.95	+0.36	1.00	26.8	11	2	13	16	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	30	36.8^{a}	-3.2	77^{a}	24	9	6	47^{a}	4.37	+1.14	1.94	9.5	15	11	3	17	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	34	39.4	-4.2	79	13	11	6	45	3.55	-0.10	0.90	10.0	11	8	10	13	n.	Wm. Ankrom
Parkersburg	Wood	638	41	41.6	-1.2	78	26	18	6	36	3.54	-0.28	1.60	8.1	13	6	8	17	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	28	37.7	-2.2	74	26	5	4	44	6.69	+2.63	1.95	30.0	11	10	12	9	......	J. W. Swisher
Parsons No. 2	Tucker	......	2	......	......	......	......	......	......	......	3.45	-0.61	0.85	25.0	17	12	10	9	......	Robert T. Deem
Philippi	Barbour	1,550	31	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Prof. Elwyn F. Chase
Pickens	Randolph	2,697	25	37.2	-2.5	75	26	4	4†	47	6.48	+0.70	1.20	45.0	15	9	10	12	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	5	......	......	......	......	......	......	......	4.08	......	0.88	9.0	13	14	5	12	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	41	......	......	......	......	......	......	......	5.28	+0.98	0.95	27.0	19	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	19	......	......	......	......	......	......	......	4.61	+0.99	1.35	9.8	16	......	......	......	sw.	Wm. Hughes
Smithfield	Wetzel	850	22	......	......	......	......	......	......	......	2.08	-1.89	0.60	11.5	7	12	12	7	......	Everett V. Price
Terra Alta††	Preston	2,559	27	34.4	-4.6	70	26†	6	4	47	3.99	-0.83	0.84	23.5	17	3	8	20	w.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	5	43.0	......	81	13	14	6	48	4.13	......	0.96	20.5	8	15	9	7	w.	J. C. Campbell
Vandalia	Lewis	1,120	5	......	......	......	......	......	......	......	2.89	......	1.20	......	4	......	......	......	......	Creed H. McCue
Wellsburg	Brooke	668	21	39.1	-0.1	76	13†	10	4†	45	4.51	+1.28	1.40	7.0	12	10	12	9	w.	George P. Pfister
West Milford	Harrison	979	3	......	......	......	......	......	......	......	4.19	......	1.50	11.0	7	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	33	42.4	-1.4	77	13	14	6	43	3.58	-0.89	0.96	15.5	12	3	21	7	......	Weston State Hospital
Wheeling	Ohio	645	41	38.2	-3.0	78	13†	12	5†	49	4.47	+1.37	1.53	6.9	15	16	6	9	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	1	......	......	......	......	......	......	......	3.98	......	0.90	8.5	16	7	5	19	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	2	......	......	......	......	......	......	......	3.60	......	1.12	15.5	12	12	11	8	w.	H. S. Sutton
Bancroft	Putnam	574	24	42.5^{a}	-2.0	82^{a}	26	15	6	45^{a}	3.79	-0.15	0.90	8.5	10	20	0	11	ne.	R. E. Dent
Bluefield	Mercer	2,558	33	43.8^{d}	-0.5	79^{d}	29	16^{d}	6	43^{d}	2.94	-0.72	0.71	9.0	12	12^{e}	9^{e}	5^{e}	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	13	......	......	......	......	......	......	......	3.26	-1.19	0.88	......	6	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	25	44.0	= 4.7	80	13†	20	6†	44	4.36	-0.06	0.84	8.0	9	15	0	16	......	R. O. Fields
Clay	Clay	706	12	......	......	......	......	......	......	......	4.39	+0.56	0.68	11.9	13	......	......	......	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	2	......	......	......	......	......	......	......	3.58	......	0.62	13.0	9	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	12	......	......	......	......	......	......	......	3.67	-0.33	1.37	......	12	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	12	......	......	......	......	......	......	......	3.39	-0.53	1.06	......	11	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	1	......	......	......	......	......	......	......	3.17	......	0.66	7.1	13	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	12	......	......	......	......	......	......	......	3.40	......	0.75	......	12	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	12	43.0^{a}	......	80^{a}	29	16^{a}	6	47^{b}	3.84	+0.30	......	13.0	12	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	31	42.5	-1.7	86	29	17	6	53	3.88	-0.17	1.84	7.2	14	14	3	14	......	Mrs. M. L. McClung
Kanawha Falls	Fayette	618	9	......	......	......	......	......	......	......	3.77	......	1.00	10.0	10	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	12	......	......	......	......	......	......	......	3.99	-1.57	0.82	13.6	16	......	......	......	......	Cabin Creek Con. Coal Co
Kermit	Mingo	579	2	......	......	......	......	......	......	......	2.71	......	0.80	8.0	7	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	28	42.0	0	77	29†	11	6	44	2.56	-1.40	0.80	8.0	8	14	11	6	nw.	Geo. T. Argabrite
Logan	Logan	700	25	......	......	......	......	......	......	......	4.25	-1.00	0.80	9.1	9	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	29	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	S. L. Brown
Organ Cave	Greenbrier	......	2	......	......	......	......	......	......	......	2.00	......	0.85	10.0	5	12	1	18	w.	J. J. Hedrick
Point Pleasant	Mason	595	35	43.4	-2.0	79	26†	15	6	56	3.99	-0.16	0.92	7.2	11	11	3	17	w.	Miss Grace E. Henson
Powellton††	Fayette	904	34	45.6^{b}	-0.1	82^{b}	26	21^{b}	5†	41^{b}	......	......	......	......	......	......	......	......	......	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	684	5	43.4	......	78	26	14	6	46	3.83	......	0.85	7.0	11	11	0	20	ne.	Lockmaster
Robertsburg	Putnam	570	28	41.9	-2.7	81	26	14	6	47	3.37	-0.71	0.62	8.0	13	17	0	14	......	M. Frazier
Ryan	Roane	700	25	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Wm. E. Ryan
Sharples	Logan	......	8	......	......	......	......	......	......	......	3.95	......	......	10.0	9	......	......	......	......	R. W. Howard
Spencer	Roane	789	24	41.0	-1.9	79	13	12	6	44	3.73	-0.21	0.64	10.5	12	6	15	10	......	A. M. McKown
Summersville	Nicholas	1,894	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. O. Mc Million
Sutton	Braxton	850	22	42.8	-2.8	80	13†	14	6	48	4.54	+0.51	1.44	24.0	12	18	0	13	......	C. B. Eakle
Union^{d}	Monroe	2,250	24	45.2	+2.0	81	30	11	6	49	2.42	-1.32	0.79	10.0	8	9	8	10	......	W. M. H. Young
Wayne	Wayne	598	1	......	......	......	......	......	......	......	4.24	......	0.71	8.0	9	......	......	......	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	18	41.6^{a}	-3.1	84^{a}	28	8	5	54^{a}	2.51	-2.61	0.78	9.8	10	23	4	4	......	H. E. Green
Williamson	Mingo	673	28	46.9^{a}	+0.1	86^{a}	29	20	6	50^{a}	3.97	-0.63	0.80	10.0	9	15	0	16	sw.	A. J. Maynard
State averages and	extremes	......	....	41.4	-1.7	86	29	-3	4	56	3.87	+0.01	2.00	16.3	12	10	9	12	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for March, 1928

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard ⦀	Potomac	.09	.53	.30	.16	.11				.07	1.11	.04			.17		.08	1.14	1.03	.56	.53	.08	T.	.14			.06	.09	T.	.03	.14	1.18	7.64
Brandywine	do			T.													.25		1.00											T.	T.		1.25
Harpers Ferry ⦀	do	.02		T.						.04	.41		.09		.03		.03	.50	1.60	.02								.15			.08	.03	3.00
Martinsburg ⦀	do	T.		T.						.15	.93		.12		.05		.06	.52	.85		.05			.03		.05	.05	.16			.29		3.16
Moorefield	do			.10						.72							.80		1.40								.15				.16		3.33
Piedmont	do	T.		.24						.85							.40		1.03		.16										.75	T.	3.43
Romney ⦀	do								.39	.30							.65	.80												.13			2.27
Stony River Dam	do	.16	.08	.45	.08	.08				.35	.45						.32	.02	1.04	.16		.16		.22							.36	.15	4.11
Upper Tract	do			.16						.10		T.					T.	.10	.96										T.	T.	T.		1.32
Wardensville ⦀	do	T.								.45	.20		.10				.25	1.01	.96	T.	T.	T.	T.								.05	T.	3.02
Northern Division																																	
Aberdeen	Monongahela	.47	T.	.11		.10				.40					.22		.75	.16	1.21	.08	.01	T.	T.	T.		T.		.27		T.	.47	.02	4.27
Alma (near)	Ohio	.25	.05	.16		.05				.44					.21		.29	.04	.53	.04						.01	.07	.17		.05	1.08		3.44
Bens Run	do	.20	.04	.15						.53					.36		.28		.70	.25							.29	.35		.02	.95		4.12
Benson	Monongahela	.30	T.	.08		.07				.50					.20		.62	.04	.90	.06						.02		.24			.35	.01	3.39
Brownsville	do	.30	T.	.08		.05				.54					.22		.60	.16	1.04	T.	.03					T.		.24			.40		3.66
Bruceton Mills	do	.44	.12	.45	T.	.16		T.		.20				T.	.18		.18	.40	.92	.40	T.	T.	T.				.19	T.		T.	.80	.02	4.79
Buckhannon	do	.50	.10	.25		.05				.55							1.10	.10	1.75	.10	.50					.44		.30		T.	.90		6.64
Cairo	Little Kanawha	.55	.05	.03						.45					.30		.65	T.	.69	T.							.16	.08			.73	T.	3.65
Clarksburg ⦀	Monongahela	.29	.04	.09		.09				.34	.08				.15		.28	.38	.58	.15	.01	T.				.01	.18	.18			.39	.03	3.27
Cortland ⦀	do	.24	.16	.48					.50	.40						.32		.32	.64		.24			.50					.35				4.15
Crawford	Little Kanawha	.38	.07		.08					.33					.35		.82	.09	2.00	T.			T.			.08		.32			.54	T.	5.06
Creston ⦀	Monongahela	.20	.01	.03	T.	.10				.05	T.				.35		.08	.49	.70	T.	T.	T.			T.			.30			.48	T.	2.79
Dam 10, Mon. R. ⦀	Ohio	.35	.04	.20		.03				.02	.71				.04			.35	.95	.04	.08			.04		.21	.32	.14			.40	.19	4.11
Dam 12, O. R. ⦀	do		.02	.10		.07				.16	.26		.03		.63			.24	.45	.05	.02						.71	.23	T.		1.53	.04	4.54
Dam 13, O. R. ⦀	Monongahela		.31	.01	.18	.02				.14	.24				.51			.14	.45	.04	.05			.04		.01	.65	.19			1.53	.05	4.56
Dam 15, Mon. R. ⦀	do	.08	.09	.14	T.	T.				.46	.17				.17		.07	.44	.72	.08	.09			.03		.04	.33	.11			.93	.23	4.18
Davis ⦀	do	.32	.19	.52	.06	T.				.37	.26				.25		.26	T.	.96	.48	.18	.12		.04		T.	.10	T.			.42	.20	4.73
Elizabeth (D'm 3 L K)	Little Kanawha	.11		.08						.48	.05				.23		.11	.32	.72							.33	.08	.25			.61		3.37
Elkins ***	Monongahela	.14	T.	.25	.06	T.				.37		T.		.10	.06	T.	.63	.56	.60	.04	T.	.02	.01			.02	.05	.10		.08	.24	T.	3.33
Evenwood	do	.12	.16	.18		T.		T.		.51		.01					1.09	.12	.80	.32	.04		.09			.06	T.	.13	T.	.04	.62	.07	4.36
Fairmont ⦀	do	.08	.04	.24		.05				.20	.15				.20		.12	.15	.80	.16	.16			T.		.02	.29	.12	T.		1.15	.02	3.95
Glenville ⦀	Little Kanawha	.14	.34	.30		.16				.22	.20				.36		.23	.56	1.35	.08						.08	.06	.19			.53	.06	4.86
Grafton ⦀	Monongahela																																
Horner	do				.10	.40				.47		.35			.50				1.12	.08	.40					.30					1.00		4.72
Horton	do	.12	.17	.72						.38		T.					.66	.15	.81	.12	T.		T.	.05		T.		.03		.04	.05	.17	3.47
Janelew (near)	do	.40		.10						.40					.20		.65	.10	1.04									.20			.40		3.49
Lost Creek	do	.48	.04	.12		.03				.42					.18		.53	T.	.89	.07	.04		T.			.04	T.	.33		T.	.62	T.	3.79
Mannington	do	.30	.04	.24		.10				.36	T.				.17		.40	.05	.95	.08	.09	T.	.01			.04	.28	.16		.03	.73	.02	4.05
Morgantown	do	.16	T.	.40		.02				.95	T.						.24	.05	1.00	T.	.24						.26	.10		T.	.55	T.	3.95
New Cumberland ⦀	Ohio	.04		.15		.08	T.			.20	.11		.02		.70			.07	.40	.03	.04					.07	.32	.20			1.94		4.37
New Martinsville	do	.20	T.	T.		.10		T.		.45					.35		.10	.10	.45	T.	.10	T.	T.				.55	.25			.90	T.	3.55
Parkersburg ***	do	T.	.05	.02	.04			T.	T.	.36		T.	T.	.25			.37	.11	.39	.01	T.				T.	.01	.33	T.		.04	1.56		3.54
Parsons	Monongahela	.32	.16	.40	T.			T.		1.95					.34		.24	.08	1.12	.08	T.		1.40					T.	.60			T.	6.69
Parsons No. 2	do	.30	.07	.22	T.	T.				.06	.26				.10		.36	.24	.85	.18	.06	.01		.03		T.	.03	.07			.30	.25	3.45
Philippi	do																																
Pickens	do	.40	.24	.24		.08				.72					.42		.78	.40	1.20	.32	.16	.08	T.					.56			.64	.24	6.48
Roanoke	do	.32	.02	.07		.04				.38					.35		.71	.04	.88	.01	T.					T.		.40			.85	.01	4.08
Rowlesburg ⦀	do	.36	.06	.28	.34	.09				.04	.56				.02		.16	.16	.95	.26	.35	.04				.02	.10	.28			.52	.39	5.28
Saint Marys ⦀	Ohio	.44	T.	.10		.12				.33	.20		.02		.34		.09	.31	.63	.08	.05	T.				.02	.25	.28			1.35	T.	4.61
Smithfield ⦀	Fishing Creek	.30		.12						.13							.26		.60					.56	T.						.11		2.08
Terra Alta	Monongahela	.55	.06	.23	.08			T.		.69	.01				.05		.34	.04	.54	.09	.05	T.	.08			T.	.32	.01			.84	.01	3.99
Valley Chapel	do	.34								.60					.28		.65		.96	.40								.30			.60		4.13
Vandalia	do									.49						.82			1.20						.38								2.89
Wellsburg	Ohio	.26		.20		.07				.44					.68			.17	.42	.05							.30	.30		.27	1.40		4.51
West Milford	Monongahela			.50						.65			.24						.88			1.50	.12					.30					4.19
Weston	do	.10	.08			T.				.25	.30				.30		.05	.60	1.00							.10		.40			.20	.20	3.58
Wheeling ⦀	Ohio	.23	T.	.17		.07			T.	.13	.21				.62			.22	.42	.05	.05		T.	.02			.51	.21	T.		1.53	.03	4.47
Woodlands ⦀	do	.30		.14						.24	.16				.43			.09	.45	.08	.07	.01				.01	.78	.26	.02		.90	.04	3.98
Southern Division																																	
rbovale	Great Kanawha	T.	T.	.08		T.				.41		.02					.52	T.	1.12	T.	T.	.04	.66	.03		.08		.08		.29	.27	T.	3.60
ancroft ⦀	do	.10	T.	T.						.05					.55		.47	.38	.60	.04								.90		.10	.60	T.	3.79
eckley	do																																
luefield	do	.08								.39			.02		.24		.36	.21	.70	.02						*	.12	.09			.71	T.	2.94
amden-on-Gauley ⦀	do	T.								.88					.73		*	*	.82	T.				T.							.83		3.26
harleston ⦀	do	.30									.10				.84		.60	.44	.70								.28	.30			.80		4.36
ay ⦀	do	.37	T.	T.	T.	.17				.03					.67		.61	.42	.68	.46	.02					.05		.38	T.	T.	.31	.22	4.39
am 6 G. K. ⦀	do	.30													.62		.54	.49	.54	T.						.10		.24			.55	.20	3.58
am 19 O. R. ⦀	Ohio	.32		T.						.28	.16		.01		.30		.08	.35	.20	.02	T.						.30	.28			1.37	T.	3.67
am 20 O. R. ⦀	do	.36								.34	.08				.38		.20	.32	.33							.02	.02	.28			1.06		3.39
am 25 O. R. ⦀	do	.21		T.		.06				.26	.02				.66		.31	.35	.47	.10	.01					T.		.28			.42	.02	3.17
am 26 O. R. ⦀	do	.25				.05				.35	.02				.38		.40	.58	.30							.02	.12	.18			.75		3.40
ary ⦀	Big Sandy	.15								.32					.21		.56	.20	*	*	1.14	.08		.05				.22			.91		3.84
nton ⦀	do					.01				.23	.01		.05		.05		.42	.17	1.84	.05	.05	.02					.25	.09			.64		3.88
anawha Falls ⦀	Great Kanawha	.29									.05				.50		.70	.40	1.00								.07	.41			.23	.12	3.77
ayford ⦀	do	.27	T.			.02				.02	.03				.38		.56	.35	.82	.14	.03	.01				.04	.22	.49		T.	.48	.13	3.99
ermit ⦀	Big Sandy													.25			.45	.28	.80	.08							.25			.60			2.71
ewisburg	Great Kanawha	T.	T.	T.						.29		.03			.08		.51	T.	.80	T.						.12		.11			.62	T.	2.56
gan ⦀	Guyandotte	.40								T.					.65		.62	.52	.80	.01						.08		.51			.66		4.25
arlinton	Great Kanawha																																
gan Cave	do								.15		.10	.10					.85		.80														2.00
int Pleasant ⦀	Ohio	.20				.08				.32	.02				.47		.32	.60	.81	T.							.16	.40		T.	.61		3.99
welton	Great Kanawha																																
venswood (Dam 22	Ohio	.13				.27				.41	.14				.32		.25	.43	.65	T.						.18		.20			.85		3.83
bertsburg ⦀	Great Kanawha	.22				.09				.26	.04				.42		.50	.41	.48	.05						.01	.07	.20			.62		3.37
an	do	.27	T.	.03		.06				.12					.58		1.05	.22	.63	.06						.05		.20		.05	.54	.04	3.90
arples ⦀	Coal River	.32								.05					.42		.63		*	*	1.40							.65			.45		3.95
encer ⦀	Great Kanawha	.20	T.	.30						.28					.42	.30		.40	.64		.20	.12				.05	T	.30			.52	T.	3.73
mmersville	Gauley																																
ton	do	.08	T.	.08						.25					.55		.90	.16	1.44	.08						.15		.30		.10	.45		4.54
on	do									.24					.05		.27	.11	.79								.12	.09			.75		2.42
yne ⦀	Big Sandy	.37								.09					.64		.60	.35	.71	.37	T.							.54			.57		4.24
ite Sulpr. Spgs ⦀	Great Kanawha		T.						.30	.07		.07		.05		.52	.10	*	.78	T.						.02				.60	T.		2.51
liamson ⦀	Big Sandy	.26								.28	.01				.58	.46	.36	.76	.80									T.	T.		.46		3.97

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

⦀ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for March, 1928

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	42	31	32	49	46	37	45	55	53	45	52	61	70	66	46	43	31	30	28	36	37	46	57	72	72	74	68	44	58	56	42	49.2
	Minimum	22	17	19	-3	9	9	10	14	31	23	23	24	25	33	27	26	24	22	19	23	24	30	35	27	40	34	21	22	23	34	18	22.7
Brandywine	Maximum	42	49	52	50	46	48	52	51	50	50	48	63	68	62	55	53	46	40	40	52	58	60	65	70	75	70	70	70	74	75	48	56.5
	Minimum	30	24	28	15	25	10	19	20	37	32	35	26	30	40	30	31	30	28	25	26	27	30	31	30	45	46	25	40	42	40	25	29 7
Martinsburg§	Maximum	43	42	41	51	38	44	58	55	44	42	42	52	64	58	54	34	39	41	42	45	47	62	69	82	74	80	45	52	56	56	....	51.7
	Minimum	25	28	27	17	19	19	17	18	28	32	28	32	34	42	37	31	30	29	27	27	24	27	32	31	32	41	41	32	29	32	30	29.0
Moorfield	Maximum	56	43	44	57	55	47	61	61	58	49	50	73	74	74	59	55	39	44	41	48	48	64	70	80	78	84	77	56	58	58	48	58.4
	Minimum	32	28	29	15	20	13	16	24	36	34	31	33	30	48	34	32	32	29	28	29	28	28	41	33	48	43	43	29	29	39	28	31.0
Piedmont	Maximum	39	37	35	54	50	41	52	54	46	45	47	67	66	62	50	35	34	34	35	40	40	55	63	76	70	80	68	46	50	48	34	50.1
	Minimum	28	25	26	13	20	16	20	20	36	30	28	34	34	41	20	28	29	29	27	29	30	36	40	35	48	43	29	29	30	34	27	29.5
Romney	Maximum	....	39	55	55	35	30	57	45	45	59	67	72	71	53	53	32	35	35	40	42	48	....	80	80	72	71	46	48	55	46	....	52.4
	Minimum	31	....	26	15	20	16	17	23	33	30	31	35	33	46	35	30	29	27	28	30	29	38	....	31	50	43	31	31	29	38	27	30.4
Upper Tract	Maximum	40	38	37	51	46	55	56	60	60	....	50	68	74	70	68	55	40	42	41	43	42	43	....	75	74	79	74	72	50	62	....	55.9
	Minimum	30	....	26	16	23	12	16	21	22	....	27	27	33	31	31	30	26	27	24	25	25	25	....	35	35	45	36	32	25	28	....	27.1
Northern Division																																	
Bens Run	Maximum	41	38	40	51	34	41	56	54	53	58	64	69	78	64	49	46	36	33	36	43	48	65	64	76	72	79	76	48	57	55	46	53.9
	Minimum	30	25	27	27	19	16	23	33	40	27	29	37	38	37	31	31	27	27	28	27	30	26	33	37	48	50	29	29	35	34	27	30.9
Buckhannon	Maximum	40	36	38	50	41	38	50	53	52	46	59	64	81	48	49	45	36	33	35	41	44	60	63	74	66	76	70	47	72	70	42	52.2
	Minimum	28	24	28	14	19	15	23	22	40	31	28	34	35	38	27	32	28	28	26	26	28	34	33	37	53	48	29	28	34	33	25	29.9
Cairo	Maximum	39	43	41	53	46	38	55	55	54	49	62	69	78	57	51	45	36	34	38	45	46	65	67	78	70	78	70	45	67	56	47	51.1
	Minimum	29	25	26	15	18	12	18	19	39	32	23	32	35	38	24	30	27	28	28	25	23	27	28	40	50	56	26	27	31	34	25	28.7
Clarksburg §	Maximum	32	40	36	51	34	42	54	51	54	40	61	70	81	51	51	34	34	31	34	38	45	63	70	75	74	79	39	49	71	60	41	51.2
	Minimum	29	25	27	12	18	12	17	20	24	31	24	30	32	37	25	30	27	28	25	27	21	32	31	33	42	45	30	28	34	40	26	27.8
Creston	Maximum	43	42	43	54	50	42	57	58	55	48	61	70	80	80	56	49	34	33	40	45	50	66	73	75	74	80	78	53	54	48	47	56.1
	Minimum	30	32	20	15	20	13	19	20	45	33	24	33	35	33	25	32	22	27	28	30	35	48	42	44	49	47	30	25	30	33	21	30.3
Elkins	Maximum	34	35	36	49	30	40	49	55	52	44	53	62	74	53	46	40	33	28	30	36	37	56	62	72	64	75	58	44	71	68	37	49.1
	Minimum	24	22	14	4	16	11	20	21	34	27	36	31	31	36	30	31	28	23	24	26	28	34	37	32	47	41	25	26	30	25	22	27.1
Fairmont§	Maximum	43	43	36	56	38	40	54	59	53	42	63	73	84	54	53	35	35	33	37	41	45	62	72	80	73	81	40	52	65	59	62	53.6
	Minimum	26	24	26	11	15	14	15	23	25	26	27	33	38	38	29	30	26	27	26	23	21	27	33	35	43	51	30	26	32	38	25	27.8
Glenville	Maximum	41	41	44	55	52	44	58	63	59	49	60	70	81	76	55	50	35	34	39	46	48	65	73	78	74	81	79	52	80	71	47	58.1
	Minimum	28	30	28	15	20	13	19	19	39	32	25	32	33	37	25	31	27	28	27	30	24	29	30	33	50	45	30	29	30	36	27	29.1
Lost Creek	Maximum	37	38	37	51	48	42	53	54	49	45	55	67	78	73	50	47	32	30	32	38	43	59	68	74	69	77	76	47	74	63	40	53.1
	Minimum	25	24	26	11	18	10	17	18	38	30	22	33	31	36	24	30	26	28	25	26	23	34	28	33	50	45	29	27	31	35	25	27.7
Mannington	Maximum	37	38	38	50	47	38	51	52	53	44	61	66	78	72	47	44	34	34	36	43	44	59	64	75	69	75	73	46	61	60	43	52.6
	Minimum	24	24	26	9	14	11	19	19	35	29	24	33	32	38	25	29	26	28	26	19	18	29	30	32	46	46	30	25	29	34	25	26.9
Morgantown	Maximum	35	36	36	49	46	35	50	50	51	43	60	63	80	72	46	41	33	31	34	40	41	58	64	74	69	75	74	43	55	65	42	51.3
	Minimum	26	22	23	18	13	13	24	21	39	26	32	43	50	32	31	28	23	25	24	25	26	34	35	47	50	50	27	27	32	32	24	29 7
New Cumberland§	Maximum	33	38	23	49	25	37	48	47	49	38	61	67	75	41	44	35	36	30	34	40	48	60	66	77	71	74	38	42	47	50	....	47.6
	Minimum	27	25	18	17	14	9	11	19	20	26	24	31	34	36	30	30	20	21	24	24	26	29	32	30	41	49	24	24	29	35	25	25.9
New Martinsville	Maximum	37	40	41	52	51	40	54	54	53	45	64	72	79	72	57	46	36	35	37	44	47	65	61	69	67	71	70	43	44	42	40	52.5
	Minimum	27	22	24	14	15	11	19	19	35	26	22	35	34	35	20	27	23	23	25	18	22	29	28	34	46	48	26	24	31	30	23	26.3
Parkersburg	Maximum	34	43	41	53	34	40	55	55	53	37	64	68	77	51	47	42	34	32	37	45	47	65	69	76	71	78	43	46	59	56	45	51.5
	Minimum	27	26	25	23	20	18	23	26	35	30	38	45	48	37	33	28	26	26	28	31	31	39	33	43	54	43	32	31	36	30	28	31.7
Parsons	Maximum	37	45	37	45	37	42	46	55	50	50	57	62	73	62	40	35	35	32	32	35	39	57	56	60	60	74	47	47	67	50	33	48.8
	Minimum	27	27	22	5	10	12	19	22	32	30	26	30	30	32	30	30	32	29	29	28	28	30	30	29	30	30	30	30	37	33	32	27.1
Philippi	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pickens	Maximum	40	32	34	47	40	49	62	50	48	47	50	63	74	58	50	43	32	30	30	37	37	55	64	74	65	75	64	47	74	66	55	51.4
	Minimum	20	14	16	4	11	4	15	40	32	22	29	29	35	30	23	27	22	16	15	20	22	22	26	29	44	40	19	20	29	23	15	23.0
Terra Alta	Maximum	33	27	27	41	41	31	43	48	48	39	49	58	63	63	42	41	28	28	23	30	33	43	58	65	65	70	70	38	51	51	34	44.5
	Minimum	21	17	19	6	10	10	11	13	33	22	25	28	33	32	27	26	24	23	19	23	24	30	34	35	46	39	23	22	28	30	19	24.3
Wellsburg	Maximum	35	38	38	46	46	37	47	47	51	44	61	65	76	67	46	45	37	37	34	41	48	67	65	76	74	76	70	42	47	51	43	51.5
	Minimum	24	26	20	10	13	10	13	18	34	27	22	33	33	36	29	31	20	26	24	25	25	34	30	33	46	48	25	27	28	33	25	26.7
Weston	Maximum	35	45	45	51	50	40	38	55	60	55	59	55	77	75	52	50	32	35	34	45	46	58	68	75	70	72	70	48	75	70	46	54.4
	Minimum	30	25	26	16	20	14	20	22	39	40	39	40	35	32	28	30	28	21	26	28	28	30	33	35	50	48	30	28	34	38	25	30.3
Wheeling§	Maximum	38	43	36	54	32	38	55	52	50	39	67	72	78	47	50	35	37	34	33	41	52	55	72	78	76	78	44	46	46	51	47	50.8
	Minimum	25	22	20	15	12	12	13	25	21	25	23	23	35	34	25	30	20	20	23	25	24	30	30	30	45	50	24	24	31	33	23	25.5
Southern Division																																	
Bluefield	Maximum	53	40	45	....	46	49	58	63	59	53	....	66	75	67	52	45	44	....	35	39	38	39	69	69	....	75	70	59	79	77	44	55.9
	Minimum	27	21	29	....	24	16	32	28	41	31	....	30	48	41	32	36	30	....	21	22	28	22	38	43	....	47	27	26	41	37	35	31.6
Charleston§	Maximum	40	44	53	56	42	40	50	60	60	56	66	68	80	56	50	40	32	34	38	44	44	60	70	72	76	76	36	60	80	62	60	55.0
	Minimum	32	26	30	38	25	20	20	27	27	38	30	36	40	42	31	34	31	30	29	29	30	30	36	36	45	51	36	33	36	44	29	32.9
Gary §	Maximum	42	42	....	53	42	51	61	66	63	54	53	71	79	57	52	52	38	29	37	45	43	68	75	70	69	79	39	60	80	69	46	56.2
	Minimum	30	25	27	....	28	16	17	26	26	37	37	33	33	37	30	32	33	25	25	17	21	25	28	33	39	45	37	29	33	41	30	29.8
Lewisburg	Maximum	55	41	43	50	44	46	58	59	59	50	48	65	71	64	53	47	39	37	39	39	38	62	67	66	67	75	69	51	77	77	42	54.8
	Minimum	27	22	31	16	22	11	20	21	41	31	32	36	34	43	27	36	30	25	23	23	24	26	38	31	49	43	29	26	33	35	23	29.3
Marlinton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Point Pleasant	Maximum	39	45	45	55	50	38	52	60	55	45	78	70	70	70	67	55	35	34	40	43	50	65	74	74	75	79	79	70	59	55	50	57.3
	Minimum	25	25	30	20	20	15	20	20	31	30	22	35	39	37	29	30	20	25	25	29	27	36	30	30	50	50	30	30	34	35	33	29.4
Ravenswood	Maximum	49	43	44	53	50	41	57	58	57	48	64	69	75	73	53	49	34	32	38	46	47	67	71	72	71	78	77	48	64	57	46	55.8
	Minimum	29	26	31	21	19	14	19	19	46	32	25	36	44	38	27	32	26	26	28	31	26	30	29	40	51	58	31	28	37	35	28	31.0
Robertsburg§	Maximum	37	45	46	52	37	41	63	65	57	42	67	73	78	55	50	40	33	32	40	45	49	69	74	74	75	81	36	48	70	56	51	54.2
	Minimum	30	26	30	19	20	14	23	20	24	34	25	26	36	38	28	34	28	27	28	28	27	31	31	34	45	48	30	29	33	41	28	29.6
Ryan	Maximum	37	40	41	52	43	38	55	59	56	42	60	68	78	62	50	43	33	30	35	45	46	64	70	74	75	78	52	48	78	68	44	53.7
	Minimum	26	22	27	13	13	12	14	15	42	30	21	29	31	35	21	30	25	24	23	21	22	25	25	33	47	52	26	22	32	31	20	26.1
Spencer §	Maximum	37	42	42	59	32	41	58	60	45	41	62	70	79	52	60	34	32	33	40	46	48	67	71	60	67	74	41	47	74	62	42	52,
	Minimum	27	23	30	15	18	12	18	18	45	24	28	37	50	35	31	30	25	24	25	27	26	38	32	40	50	48	28	25	31	38	26	29
Sutton	Maximum	50	42	42	52	52	40	55	60	60	50	60	70	80	80	53	49	35	33	36	41	43	64	72	75	75	80	80	49	60	60	44	56.
	Minimum	30	25	30	25	23	14	20	20	33	33	27	32	35	39	26	30	28	28	27	28	27	28	30	35	45	46	32	27	32	30	27	29.
Union	Maximum	45	43	48	....	49	49	61	63	64	60	....	67	73	72	60	48	41	....	39	42	42	62	71	72	....	77	77	52	80	81	80	60.
	Minimum	39	20	39	....	19	11	22	21	42	32	....	35	35	44	25	38	32	....	22	19	23	27	33	34	....	43	33	26	35	33	31	30.
White Sulphur Spgs§	Maximum	42	50	53	44	51	62	63	61	54	43	70	74	59	56	39	41	33	34	44	43	61	71	72	77	81	40	54	84	70	45	....	55.
	Minimum	21	24	14	23	8	17	18	25	34	34	36	30	37	24	37	32	28	24	23	24	25	33	29	34	42	34	25	30	45	25	20	27.
Williamson §	Maximum	46	47	53	52	45	47	64	68	61	50	63	74	80	59	47	44	35	32	37	48	56	73	81	80	74	85	45	58	86	83	....	58.
	Minimum	33	30	31	41	27	20	21	28	34	40	41	40	42	42	37	38	32	30	30	26	27	33	34	45	46	50	35	35	36	45	33	34.

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 5-5-28—850)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVI Parkersburg, W. Va., April, 1928 No. 4

GENERAL SUMMARY

April was decidedly cool and wet, and the average snowfall, 11.4 inches, was the heaviest of April State record. The April temperature was lower in only five years of past record, or in 1898, 1901, 1904, 1907, and 1926. The precipitation was also greater in only five years of past record. The precipitation, however, was well distributed over the State and throughout the month. On the 27-28th heavy snow fell in nearly all portions of the State, except the extreme western portion. Over all the central and north-central counties and the eastern panhandle region the fall for the storm averaged nearly 18 inches, and the fall at Bayard was 35 inches, at Pickens, 30 inches, and at Davis, 29.8 inches. This storm caused some damage to fruit trees in the eastern counties, many branches being broken down. Much damage was also caused to telephone service, many poles and wires being broken down by the heavy snow. Melting snow at the close of the month caused flood stages in the Monongahela and Potomac basins. The month was unfavorable for growth and farm work. Peach bloom was killed in localities by the low temperature near the middle of the month.

TEMPERATURE

The monthly mean for the State, determined from 48 stations, was 48.6°. The departure from the normal for 38 stations having ten or more years of record was —3.2°. The month opened with temperature near normal, but from the 3d to the 6th the temperature averaged nearly 20° above the normal, rapidly advancing growth. This was the only warm period of the month, although the temperature was slightly above the normal on the 18-19th and 21st-22d. The coolest weather prevailed from the 8th to the 11th, 15th to the 17th, and from the 26th to the 28th, with lowest readings being general on the 16th. The highest temperature was general on the 5th.

PRECIPITATION

The average precipitation for the State, determined from 86 stations, was 5.08 inches. The departure from the normal for 56 stations having ten or more years of record was +1.38 inches. The precipitation was heaviest over the central, north-central, and eastern counties, and lightest over the southeastern counties. The greater part of the precipitation was received on the 1st-2d, 7-8th, 11-12th, 14th, 21st-24th, and the 27-28th, the greatest amounts being measured on the 12th, 22d, and 27-28th. Light snow fell in the more elevated localities on the 1st, 12th, and 17th, and heavy snow in nearly all localities on the 27-28th.

HAIL

Light hail was noted at Mannington on the 14th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bancroft, 2d, 5th, and 26th; Clay, 12th; Elkins, 18th; Hinton, 13th; Wheeling, 2d.

Halos, lunar: Parkersburg, 30th; Pickens, 20th.

Halo, solar: Ryan, 13th.

Sleet: Davis, Horton, Union and Upper Tract, 11th.

Thunderstorms (dates and number of stations reporting): 1st, 1; 2d, 1; 7th, 3; 8th, 2; 21st, 1; 22d, 1; 23d, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity: Miles per hour	Max. velocity: Direction	Max. velocity: Date
Cincinnati, Ohio	29.97	67	51	57	222.9	56	6,986	9.7	34	sw	14
Columbus, Ohio	29.95	72	52	53	197.9	50	8,508	11.8	41	w.	31
Elkins	29.99	72	51	58	173.9	44	5,366	7.5	29	w.	19
Lexington, Ky	29.98	71	60	....	164.5	41	10,142	14.1	46	sw.	21
Parkersburg	29.99	68	50	51	152.7	38	5,093	7.1	29	sw.	14
Pittsburgh, Pa	29.97	69	57	58	198.4	50	8,624	12.0	45	w.	19
Wytheville, Va	30.00	75	57	64	179.0	45	5,418	7.5	26	w.	7

COMPARATIVE DATA FOR APRIL

Year	Temperature: Mean	Temperature: Highest	Temperature: Lowest	Precipitation: Average	Precipitation: Greatest	Precipitation: Least	Snowfall (in inches)	Number of days: With precip. 0.01 inch or more	Number of days: Clear	Number of days: Partly Cloudy	Number of days: Cloudy
1891	52.0	.....	.....	2.81							
1892	50.6	87	17	4.28	.....	.....	.....	7	.....	.....	.....
1893	53.4	92	20	5.18	8.98	2.91	0.8	14	8	8	14
1894	50.6	90	14	3.32	5.30	1.97	1.6	11	12	8	10
1895	52.9	90	17	2.93	5.47	0.90	.....	9	11	9	10
1896	57.7	95	12	2.06	4.35	0.82	.....	8	13	12	5
1897	51.5	90	19	2.97	7.10	1.58	.....	9	11	10	9
1898	48.0	86	2	3.14	4.86	1.40	.....	11	10	9	11
1899	53.4	93	18	1.84	3.17	0.92	0.5	7	13	9	8
1900	51.8	88	16	1.35	2.08	0.43	T.	8	14	7	9
1901	47.5	95	18	7.05	10.70	2.50	6.0	12	10	4	16
1902	49.8	96	21	3.06	4.57	1.53	10.0	7	10	10	10
1903	51.3	91	8	4.47	7.30	2.29	0.4	11	11	8	11
1904	47.7	82	12	3.15	5.71	1.12	1.3	12	9	9	12
1905	52.2	89	14	2.78	5.57	1.10	1.5	11	11	9	10
1906	54.1	92	15	3.16	6.59	0.57	0.3	8	15	8	7
1907	45.6	92	10	3.49	6.66	1.42	6.1	12	8	8	14
1908	54.8	92	18	4.30	8.02	0.77	0.3	11	13	8	9
1909	53.0	93	10	5.04	8.57	1.70	2.4	13	10	11	9
1910	53.2	91	16	3.39	9.07	1.63	0.6	11	10	8	12
1911	49.5	88	6	4.29	7.00	0.83	1.5	14	9	8	13
1912	55.4	88	20	4.03	8.00	1.09	0.2	10	11	10	9
1913	52.4	92	12	2.99	5.48	1.61	0.1	10	14	6	10
1914	52.1	93	16	4.63	10.05	1.29	0.1	11	10	9	11
1915	55.5	101	10	1.93	5.69	0.10	T.	7	15	8	7
1916	50.5	90	17	3.07	5.70	1.25	4.3	12	9	7	14
1917	51.7	90	10	2.99	5.31	1.29	1.8	9	13	8	9
1918	50.3	85	18	5.11	9.14	1.88	10.4	15	9	7	14
1919	51.8	90	10	2.44	4.21	1.03	0.2	9	12	8	10
1920	49.7	91	15	4.91	7.26	1.64	1.2	14	8	7	15
1921	55.7	95	10	2.50	5.09	0.40	0.4	9	13	7	10
1922	54.4	91	15	3.15	6.76	0.50	0.1	9	13	7	10
1923	50.1	88	−4	3.45	4.88	1.00	0.1	8	16	5	9
1924	50.5	88	12	3.24	6.37	0.72	3.6	12	12	6	12
1925	54.9	101	6	2.89	4.48	1.42	0.6	10	14	6	10
1926	47.1	87	8	2.44	5.54	0.80	2.5	10	10	8	12
1927	52.0	91	16	5.93	10.21	2.52	0.2	15	9	7	14
1928	48.6	88	11	5.08	8.00	2.57	11.4	12	11	7	12
1891-1928	51.7	101	−4	3.55	10.70	0.10	2.2	10	11	8	11

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., April, 1928

See temperature and precipitation data in Climatological Tables, Pages 14, 15, and 16

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation	.066	.072	.134	.255	.223	.300	.366	.188	.166	.116	.117	.004	.063	.157	.221	.077	.089	.034	.253	.422	.041	.032	.107	.009	.114	.198	.102	...	...	.251	...	4.207
	Wind movement	97	83	34	84	61	57	123	221	161	134	93	59	61	74	184	58	38	58	115	174	68	59	101	38	141	68	61	170	63	102	...	2,846

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for April, 1928

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	27	44.4	-2.3	80	5	11	16	46	8.00	+4.11	2.67	43.0	13	10	9	11	sw.	U. G. Clark
Brandywine	Pendleton	1,586	12	48.0	-1.8	75	5	18	16	38	4.25	+1.61	1.00	15.0	9	16	1	13	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	39	....	....	....	....	....	....	....	6.91	+3.04	2.73	3.0	10	....	....	....	....	J. C. Newcomer
Inwood	Berkeley	569	6	48.1[a]	....	83[a]	5	24	16†	39[a]	5.83	....	2.16	7.0	11	13	7	10	nw.	L. E. Dills
Martinsburg	Berkeley	435	36	48.0[a]	-3.5	81[a]	5	23	18	56[a]	6.48	+3.44	2.13	12.0	11	22	2	6	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	32	51.6	-3.2	88	5	21	16	42	5.22	+1.39	....	20.0	9	24	0	6	....	M. S. Henkel
Piedmont	Mineral	1,053	15	46.8	-4.3	78	4	22	16	42	4.54	+1.52	1.60	....	10	14	8	8	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	30	46.0[c]	-5.6	84[c]	5	21[b]	16	55[c]	6.01	+3.15	2.50	13.0	9	7	13	10	....	George E. Bergdoll
Stony River Dam	Grant	3,300	8	....	....	....	....	....	....	....	5.79	....	1.41	27.0	13	6	6	18	w.	A. C. Becker
Upper Tract	Pendleton	1,230	29	50.0	-1.0	88	6	19	16	40	3.81	+1.79	1.20	22.0	8	13	0	17	e.	J. M. Mallow
Wardensville	Hardy	1,200	11	46.6[d]	....	80[d]	4	17[c]	12	56[f]	3.81	....	1.30	17.0	6	12[b]	7[b]	9[b]	w.	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	4	....	....	....	....	....	....	....	6.95	....	1.43	18.0	14	7	13	10	w.	L. Else Bond
Alma (near)	Tyler	....	1	....	....	....	....	....	....	....	4.72	....	0.88	3.0	12	6	12	12	....	D. N. Furbee
Bens Run	Pleasants	652	26	49.2	-3.0	84	6	28	10	39	3.98	-0.10	0.98	4.0	9	10	9	11	....	J. D. Riggs
Benson	Harrison	1,080	5	....	....	....	....	17	16	....	4.98	....	0.80	5.0	15	10	9	11	....	R. D Marts
Brownsville	Lewis	1,032	5	48.4[g]	....	....	....	18	16	46[g]	4.16	....	0.98	18.0	11	13	6	11	....	George M. Myers
Bruceton Mills	Preston	1,549	11	....	....	....	....	....	....	....	5.79	+2.09	....	27.2	12	3	15	12	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	31	48.6	-2.5	81	5	22	16	40	6.48	+2.22	1.30	12.0	14	14	6	10	....	H. A. Darnall
Cairo	Ritchie	680	29	50.0	-4.8	84	5	20	16	38	5.16	+1.48	1.22	2.0	10	11	6	13	....	O C. Hess
Clarksburg	Harrison	1,015	6	48.4	....	85	5	20	16	43	5.07	....	1.37	6.0	15	10	7	13	w.	Clarksburg Water Board
Cortland	Tucker	3,300	17	....	....	....	....	....	....	....	4.96	+1.44	1.92	43.0	9	6	16	8	....	G. W. Harmon
Crawford	Lewis	1,107	5	....	....	....	....	....	....	....	6.66	....	1.49	14.0	12	9	12	9	w.	George W. Blair
Creston	Wirt	640	26	49.4	-3.3	87	5	20	16	45	5.20	+1.19	1.45	8.0	11	9	0	21	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	7	....	....	....	....	....	....	....	6.81	....	1.50	....	12	....	....	....	....	Lockmaster
Dam 12 O. R.	Ohio	660	12	....	....	....	....	....	....	....	4.17	+1.15	0.92	....	15	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	12	....	....	....	....	....	....	....	4.62	+1.61	1.02	....	17	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	7	....	....	....	....	....	....	....	6.05	....	1.28	3.5	15	....	....	....	....	Lockmaster
Davis	Tucker	3,093	19	....	....	....	....	....	....	....	7.18	+3.21	1.41	31.0	14	6	9	15	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	16	....	....	....	....	....	....	....	3.95	+0.33	0.87	4.0	11	....	....	....	....	Lockmaster
Elkins	Randolph	1,947	27	45.8	-3.0	78	5	18	16	37	6.74	+3.45	1.86	17.0	12	4	12	14	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	3	....	....	....	....	....	....	....	7.18	....	1.27	27.0	12	0	14	16	s.	Claude A. Cunningham
Fairmont	Marion	883	22	49.1	-2.7	87	5†	21	16	48	4.78	+1.14	1.21	9.5	12	9	9	12	w.	J. C. Robinson
Glenville	Gilmer	738	34	51.2	-2.2	87	5	20	16	43	5.79	+2.05	1.37	2.5	16	6	12	12	w.	Howard R. Brannon
Grafton[1]	Taylor	1,000	35	43.6	....	....	....	18	16	....	....	....	....	....	....	6	3	12	....	T. D. Smith
Horner	Lewis	1,044	5	....	....	....	....	....	....	....	6.07	....	1.60	11.0	9	....	....	....	....	Foster R. Hardman
Horton	Randolph	2,840	3	....	....	....	....	....	....	....	4.31	....	0.92	24.0	15	12	2	16	w.	J. W. White
Janelew (near)	Lewis	1,020	5	50.1	....	85	5	23	17	44	5.89	....	1.17	5.0	10	13	7	10	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	30	48.0	-2.2	84	5	17	16	45	5.69	+2.33	1.25	8.0	14	9	6	15	w.	Allen Smith
Mannington	Marion	985	25	47.7	-3.5	80	5†	19	16	46	5.76	+1.79	1.44	17.0	14	9	6	15	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	35	49.0	-2.2	83	6	20	16	44	4.33	+1.11	0.90	14.5	10	3	12	15	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	30	45.2[a]	-4.2	80[a]	5†	20	16	46[a]	3.82	+0.55	1.02	2.5	18	7	7	16	n.	Geo. W. Derouin
New Martinsville	Wetzel	631	34	51.2	-1.8	85	6	22	16	47	4.80	+1.21	1.05	2.0	11	10	8	12	n.	Wm. Ankrom
Parkersburg	Wood	633	41	50.1	-3.3	82	6	27	16	35	3.15	+0.24	0.93	T.	11	7	9	14	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	28	46.0	-2.7	84	5	20	16	44	4.29	+0.44	0.80	12.5	11	11	5	14	....	J. W. Swisher
Parsons No. 2	Tucker	....	2	....	....	....	....	....	....	....	5.64	+1.79	1.48	8.0	13	13	6	11	....	Robert T. Deem
Philippi	Barbour	1,550	31	....	....	....	....	....	....	....	6.60	+2.67	2.20	8.0	11	....	....	....	....	Prof Elwyn F. Chase
Pickens	Randolph	2,697	25	44.0	-4.2	80	5	11	16	46	7.04	+2.00	1.65	33.0	12	12	7	11	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	5	....	....	....	....	....	....	....	4.91	....	1.15	5.0	14	11	9	10	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	41	....	....	....	....	....	....	....	6.13	+2.12	1.63	31.8	14	....	....	....	....	Walter H. Bolyard
Saint Marys	Pleasants	577	19	....	....	....	....	....	....	....	4.56	+0.66	0.98	....	11	....	....	....	....	Wm. Hughes
Smithfield	Wetzel	850	22	....	....	....	....	....	....	....	3.32	-0.58	1.49	14.0	9	9	11	10	....	Everett V. Price
Terra Alta	Preston	2,559	27	42.2	-5.0	75	5†	15	16	42	4.76	+0.94	0.96	18.0	18	6	5	19	w.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	5	48.9	....	84	5	19	16	52	5.27	....	1.25	4.0	11	18	6	8	w.	J. C. Campbell
Vandalia ††	Lewis	1,120	5	....	....	....	....	....	....	....	6.07	....	1.60	....	9	....	....	....	....	Creed H. McCue
Wellsburg	Brooke	668	21	46.1	-2.9	83	6	18	16	50	3.90	+0.85	0.90	....	12	11	7	12	w.	George P. Pfister
West Milford	Harrison	979	3	....	....	....	....	....	....	....	5.49	....	1.10	4.0	10	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	33	48.1	-4.4	80	5	22	16	36	5.35	+1.30	1.20	4.0	12	2	20	8	....	Weston State Hospital
Wheeling	Ohio	645	41	46.0[c]	-6.1	86[c]	5	18[b]	16	56[d]	4.23	+1.10	0.90	0.4	15	13	6	11	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	1	....	....	....	....	....	....	....	4.96	....	0.92	1.5	15	7	7	16	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	2	....	....	....	....	....	....	....	3.98	....	1.05	18.0	13	14	3	13	sw.	H. S. Sutton
Bancroft	Putnam	574	24	50.0	-3.5	82	3†	23	16	44	4.69	+0.86	1.30	0.5	15	20	0	10	ne.	R. E. Dent
Bluefield[d]	Mercer	2,558	33	50.1	-3.1	75	4	22	16	45	3.59	+0.21	0.91	8.0	11	7	12	7	....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	13	....	....	....	....	....	....	....	4.93	+1.40	0.86	11.0	7	....	....	....	....	Miss Katie Jarvis
Charleston	Kanawha	600	25	52.3	-4.3	82	4†	28	16	41	5.81	+2.15	1.20	2.0	15	17	0	13	....	R. O. Fields
Clay	Clay	706	12	....	....	....	....	....	....	....	6.40	+3.06	1.52	....	14	....	....	....	....	Chilton Wilson
Dam 6 G. K.	Kanawha	598	2	....	....	....	....	....	....	....	4.95	....	1.23	....	11	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	12	....	....	....	....	....	....	....	3.99	+0.42	1.04	....	11	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	12	....	....	....	....	....	....	....	4.18	+0.70	0.92	....	14	....	....	....	....	Lockmaster
Dam 25 O. R.	Mason	565	1	....	....	....	....	....	....	....	3.29	....	0.71	....	12	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	12	....	....	....	....	....	....	....	3.35	....	0.88	....	12	....	....	....	....	U. S. Engineer Office
Gary	McDowell	1,426	12	51.0[a]	....	79[a]	4	23[a]	16	42[b]	4.14	+0.62	1.24	5.0	17	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	31	50.8	-2.1	84	5	27	1†	47	3.85	+0.57	1.25	....	14	17	4	9	....	Mrs. M. L. McClung
Kanawha Falls	Fayette	618	9	....	....	....	....	....	....	....	6.18	....	1.95	3.0	12	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	12	....	....	....	....	....	....	....	6.37	....	1.15	20.0	15	....	....	....	....	Cabin Creek Con. Coal C
Kermit	Mingo	579	2	....	....	....	....	....	....	....	6.57	....	1.30[a]	....	14	....	....	....	....	E. B. Kirk
Lewisburg	Greenbrier	2,250	28	48.6	-1.5	75	4	17	16	40	3.19	-0.25	1.01	5.5	11	16	6	8	nw.	Geo. T. Argabrite
Logan	Logan	700	25	....	....	....	....	....	....	....	6.81	+2.01	1.52	....	12	....	....	....	....	J. R. Wampler
Marlinton	Pocahontas	2,131	29	....	....	....	....	18[a]	16†	....	....	....	....	....	....	....	....	....	....	S. L. Brown
Organ Cave	Greenbrier	....	2	....	....	....	....	....	....	....	3.29	....	1.10	8.0	7	9	7	14	w.	J. J Hedrick
Point Pleasant	Mason	595	35	49.9	-5.0	85	6†	20	16	40	3.30	+0.02	0.82	T.	13	9	0	21	nw.	Miss Grace E. Henson
Powellton[h]	Fayette	904	34	55.8	....	88	7	30	2†	40	....	....	....	....	....	....	....	....	....	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	5	50.2	....	81	6	22	16	39	3.75	....	0.83	T.	12	5	0	25	nw.	Lockmaster
Robertsburg	Putnam	570	28	49.4	-3.5	82	5†	22	16	44	3.63	-0.11	0.76	T.	12	17	0	13	....	M. Frazier
Ryan	Roane	700	25	47.2	-5.2	80	4†	18	16	50	5.20	+1.35	1.07	10.9	12	3	12	15	....	Wm. E. Ryan
Sharples	Logan	....	8	....	....	....	....	....	....	....	7.62	....	2.05	....	12	....	....	....	....	R. W Howard
Spencer	Roane	789	21	49.8	-2.6	84	5†	20	16	42	4.41	+0.78	0.91	5.0	13	7	8	15	....	A. M. McKown
Sutton	Braxton	850	22	49.8	-3.3	80	5†	21	16	40	6.35	+2.16	1.25	17.0	11	18	0	12	....	C. B. Eakle
Union[c]	Monroe	2,250	24	51.0	0	78	4	18	16	47	2.57	-0.32	0.86	4.5	9	6	5	14	....	W. M. H. Young
Wayne	Wayne	598	1	....	....	....	....	....	....	....	4.73	....	1.29	....	13	....	....	....	....	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	18	50.0[a]	-1.2	81[a]	3†	17	15	46[a]	3.07	-0.01	0.80	5.0	16	19	7	4	....	H. E. Green
Williamson ††	Mingo	673	28	54.4[a]	-0.6	82[a]	3	30	9†	39[a]	6.88	+2.99	1.59	23.0	15	3	0	27	nw.	A. J. Maynard
State averages and extremes				48.6	-3.2	88	5†	11	16	56	5.08	+1.38	2.73	11.4	12	11	7	12	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means.

† Also on other dates. †† Received too late to be included in means and summaries

Reference letters [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for April, 1928

Stations	Drainage-basin	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Panhandle Division																																	
Bayard	Potomac	.11	T.						1.14				.28		.17	T.		T.	.39	.11		.66	.63	T.	1.57	.71		.09	[illegible]	[illegible]			[illegible]
Brandywine	...do	*	[illegible]					.60				[illegible]			.15							T.	.30	.35				[illegible]	[illegible]				[illegible]
Harpers Ferry	...do		[illegible]						.11			T.	[illegible]			.02							.11	.25	.72			[illegible]	[illegible]				[illegible]
Inwood	...do		[illegible]						[illegible]				1.02		.65								.37	.47	.72	.01		[illegible]	[illegible]	[illegible]			[illegible]
Martinsburg	...do		[illegible]						[illegible]				1.15		.05	.20							.50	.40	.95			[illegible]	[illegible]	[illegible]			[illegible]
Moorefield	...do		.21					.27	.28			.90											.70	.69	.17			*	[illegible]				[illegible]
Piedmont	...do			.01									.04		.19							.60	.16	.75	.10			.96	1.60	.16			[illegible]
Romney	...do	.56							.35			[illegible]			.26								.43	.22	.75				[illegible]	[illegible]			[illegible]
Stony River Dam	...do		.08				.66					.02	.71		.25					.18			.37	.55	.71	.15		[illegible]	.11	[illegible]			[illegible]
Upper Tract	...do		[illegible]					.15				.80											.20	.50			.10	[illegible]	[illegible]				[illegible]
Wardensville	...do	T.	T.					.47			T.	T.											.16	.40	.19				[illegible]	[illegible]			[illegible]
Northern Division																																	
Aberdeen	Monongahela	T.	.10					.98	.15			.37	.18		.08	T.		.03				.35	.17	.58	.25	.08		1.22	1.15		T.		5.69
Alma (near)	Ohio	.02						[illegible]				.42	.08		.20					.02		.74	.69	.20	.25			.44	.55				[illegible]
Bens Run	...do							.62				.37			.37							.95	.50	.20	.20			.34	.40				[illegible]
Benson	Monongahela	T.	.19					[illegible]	.04			.63	.50		[illegible]			.02		.08		.69	.55	.33	.21	.06		.71	.80				[illegible]
Brownsville	...do	T.						.70	.05			.95	.21		.64	T.		T.	T.			.34	.09	.52	.69			.65	.49				[illegible]
Bruceton Mills	...do	.25						.96	T.			1.05	.07		.36	T.		T.	T.			.53	.34	.45	.41	T.		.50	*	1.35	T.		[illegible]
Buckhannon	...do	.15	.10					.80	.65			1.50	[illegible]		.12	T.		.10				.23	.25	1.10	.30			1.00	.93				[illegible]
Cairo	Little Kanawha	.05	.05					.82				[illegible]	T.						T.	T.		.77	.76	.17	.22			.70	1.22	T.			[illegible]
Clarksburg	Monongahela		.05					.71				[illegible]		.02	.11	.01		T.	.03			.08	.47	.20	.34	.08		.18	1.37	.30			[illegible]
Cortland	...do						.35	.40	.24					.15										.22	.25	.15		1.92	1.28				4.96
Crawford	Little Kanawha	T.	.14					.90				1.24	.14		.05	T.		.14				.34	.16	.85	.27			1.49	.91				[illegible]
Creston	Monongahela							.80					.65		.12				.22				.59	.29	.32	.12		.21	1.45	.12			[illegible]
Dam 10, Mon. R.	Ohio		.40					.62					1.10		.28	.05							.85	.47	.48	.18		.08	1.50	.80			6.81
Dam 12, O. R.	...do	.02	.18				T.	.41	T.				.42	T.	.26	.05			.03			.05	.92	.55	.31	.08			.72	.08	.06		4.17
Dam 13, O. R.	Monongahela	.06	[illegible]					.50					.46	.01	.25	.09			.15			.06	1.02	.56	.30	.13	.01		.82	.12	.02		4.62
Dam 15, Mon. R.	...do	.04	.22					.71					1.22	T.	.33	.04						.11	.68	.35	.36	.18	T.	.08	1.28	.08	.04		[illegible]
Davis	...do	.01	.05					.87	T.				.51		.17			.13	.07				.95	.75	.85	.40		.31	1.44	.64	T.		7.18
Elizabeth (D'm 3 L. K.)	Little Kanawha							.01					.62		.11				.15			.16	.61	.30	.25	.12		.15	.87	T.			[illegible]
Elkins ***	Monongahela	.26						.57				.93	.01		.16	T.		.13		T.		.22	.29	1.09	.37	T.	T.	1.86	.91	T.	T.		[illegible]
Evenwood	...do	.21	T.					.96			T.	1.27	T.		.06			.16				.71	.46	1.15	.12			.88	1.12		.02		[illegible]
Fairmont	...do	.12	.06						.72			1.21	T.		.23	T.		T.				.23	.55	.30	.36	.15		.09	.72	T.			4.74
Glenville	Little Kanawha	.05	T.					1.05				T.	.76	.04	.16	.03		.11	.04		T.	.71	.16	.48	.19			.32	1.37	.30	.08		5.79
Grafton	Monongahela											1.41	T.		.10			T.	T.			.40	.06	.05	.34	.09		.20	.72	1.12			†††
Horner	...do	.13						.86				1.60						.12					.50	.50	.32			1.12	1.08				6.07
Horton	...do	.22	.24					.47	.03			.16	.12		.10			.04				.04	.05	.47	.30	.10		.92	.75				4.31
Janelew (near)	...do	.12						[illegible]				1.17	.27									.48	.20	.58	.25			.99	1.06				5.80
Lost Creek	...do	.05	.04					.85	.04			1.05	.20		.06	T.		T.				.55	.24	.42	.21	.02		1.06	.90				5.69
Mannington	...do	.17	.02					.79	.02			.69	.11		.27	T.		T.		T.		.75	.37	.25	.28			.58	1.14		.01		5.76
Morgantown	...do	.20	T.						T.			.90	.25		.25	T.		T.				.65	.57	.35	.15		T.	.35	.66		T.		4.93
New Cumberland	Ohio	.15	.18	.03	.19			.30	.04				.36		.17	.20	.06					.02	1.02	.46	.14	.10			.24	.04	.12		3.82
New Martinsville	...do	T.	.10					.70	T.			.40	.10		.25							1.05	.50	.20	.40			.30	.80				4.80
Parkersburg ***	...do	.01						.26	T.			.35	T.	T.	.25	T.		T.		.04		.89	.56	.13	.15			.45	.08	T.			3.17
Parsons	Monongahela	T.						.34				.04				.67		.01				*	.67	.70	.60	.30	T.	.16	.80				4.29
Parsons No. 2	...do		.15						.45				.81		.10				.09	.02		T.	.26	.59	.87	.35		.51	1.48	.16			5.61
Philippi	...do								.22				2.20		.15					.20		.20	.40	.30	.70	.22		1.70	.31				6.60
Pickens	...do	.15						.50		.15		1.65			.26	T.		.19				.12	.40	.92	.30			1.12	1.28				7.01
Roanoke	...do		.12					.53	.01			1.05	.21					.18		.01		.56	.20	.60	.20	.30		1.15	1.05		T.		4.91
Rowlesburg	...do	.02	.22						.61			1.23	.04		.02				.02				.46	.06	.76	.27		.12	1.63	.67			6.13
Saint Marys	Ohio		.15	T.					.72			.44			.25					.05		.27	.82	.51	.25	.12		.98			T		4.56
Smithfield	Fishing Creek								.37			.14				.06						.31	.67		.11	.07		1.49	.10				5.32
Terra Alta	Monongahela	.09	.25	T.				.44	.09	T.		.66	.17		.18	T.		.02		T.		.57	.07	.62	.22	.03	.02	.61	.90	.18	.04		4.96
Valley Chapel	...do							.40				.70	.30					.10				.55	.20	.42	.40	.05		.99	1.25	T.			5.27
Vandalia	...do	.03						.50				1.60						.12					[illegible]	.56	.32			1.12	1.08				6.97
Wellsburg	Ohio	.47						.38				.92	.36		.20	T.						.90	.42	.27	.12			.08	.58		.10		5.90
West Milford	Monongahela	.50		.12				.50				1.10			.12							.75		.35	.35			1.07	.35				5.49
Weston	...do		.10						.90			1.20			.10				.05				.50	.20	.50	.26		.30	.90	.41			5.35
Wheeling	Ohio	.02	.17					T.	.52	T.		.41	T.		.26	.06	T.	T.	T.	.02		.05	.96	.57	.32	.11	T.		.66	.16	.06		4.28
Woodlands	...do	.12	.07						.56			.43			.32	.16				.05		.25	.92	.62	.31	.14			.92	.06	.03		4.96
Southern Division																																	
Arbovale	Great Kanawha	.07	.10					.33	.08			.55			.23	T.		T.		.05		.09	.30	.58	.07			1.05	.48				3.98
Bancroft	...do	.05						.10	.53			.05	.71		.20				.25	.05		.10	.40	.55	.12			.45	1.30	.05			4.09
Beckley	...do																																
Bluefield	...do							.12		T.	.32	.94	.11		.15					.03				.73		.27		.12	.52		.28		3.59
Camden-on-Gauley	...do								.88				1.00						.56					.46				.63	.50	.60	T.		4.93
Charleston	...do	.04							.76			.20	.90		.25				.20	.08		.16	.30	.70	.24	.02		.75	1.20	.14			5.84
Clay	...do								.73			.16	.91		.12	T.			.20	.02		.16	.42	.69	.40	.07		.60	1.52	.40			6.40
Dam 5 G. K.	...do								.65				1.03		.25				.17			.10	.30	.40	.30			.16	1.25	.06			4.95
Dam 19 O. R.	Ohio	T.	T.					.01	.31	T.			.40	T.	.32	T.			T.	.05		.07	1.04	.66	.27	.09			.77		T.		3.99
Dam 20 O. R.	...do	.02						.05	.42				.44		.25	.04			.06	.12		.06	.92	.58	.30	.08			.84				4.18
Dam 25 O. R.	...do							.21	.25				.35		.11				.12	.05		.23	.71	.50	.14	.05		T.	.57				3.29
Dam 26 O. R.	...do							.21	.21				.48		.15				.19	.03		.18	.45	.25	.26			.06	.88				3.35
[illegible]	Big Sandy		.01						.18		.13	.09		.63	.21	.05			.02		.52	.03	.02	.12	.18	.11		.55	1.24	.05			4.14
Hinton	...do								.12		.05	.16	.50		.20	.09					.15	.18	.07	.27	.25			.51	1.25	.05			3.85
Kanawha Falls	Great Kanawha								.75			.06	1.08		.26				.09			.15	.15	.48	.10			.86	1.95	.28			6.15
Kayford	...do								.64			.18	1.12	T.	.41			.40	.15	.04	.02	.19	.12	.44	.37			.63	1.15	.51			6.57
Kermit	Big Sandy							.35				.56	1.06		.10				.20	.08	.25	.50	.75	.25	.28	.20		.75	1.30				6.57
Lewisburg	Great Kanawha							.21			.16	.60			.18			T.			.10	.11	.07	.32	T.	.08		1.01	.35		T.		3.19
Logan	Guyandotte							.45	.22			.21	1.05		.55				.10			.17		.59	.12			1.07	1.52	.47			6.81
Marlinton	Great Kanawha																	.04		T.		.04	.56	.38	.04			.80	.20				†††
Organ Cave	...do							.20			.16	.80												.40	.15			1.10	.48				3.23
Point Pleasant	Ohio							.24	.04				.88		.10	T.	T.		.08	.08		.18	.52	.40	.16	.08		.06	.68				3.59
Powellton	Great Kanawha																																
Ravenswood (Dam 22)	Ohio							T.	.50				.48		.08	.05			.12	.05		.10	.65	.49	.32	.05		T.	.85	T			3.75
Robertsburg	Great Kanawha							.20	.28			T.	.68		.13				.26	.04		.24	.29	.37	.16			.22	.76				3.13
Ryan	...do	.05						.66				.90	.03		.17	T.		.30				.33	.25	.41	.05			1.07	.89				5.20
Sharples	Coal River								.98			.20	.93		.55				.18			.16	.15	.55	.50			.55	2.05	.85			7.62
Spencer	Great Kanawha								.65				.91	T.	.12	T.			.20	.05		.17	.34	.29	.30	.06		.25	.50	.57			4.11
Sutton	Gauley							.55	.25			1.10			.15			.25				.30	.40	1.00	.15			1.25	.95				6.35
Union	...do							.25			.26	.57	.11		.07							.10				.26		.80	.35				2.77
Wayne	Big Sandy							.48	.02			.03	.69		.40				.13	.19		.18	.27	.22	.15			.68	1.29				4.73
White Sulphur Springs	Great Kanawha						.04	.25		.08	.35	.69		.05	.06					.12	.04	.10	.13	.10	.11		.15	.80	.08				3.07
Williamson	Big Sandy							.49	.15			.25	.82		.55	T.			.13		.25	.10	.33	.78	.11	.33		.72	1.59	.29			[illegible]

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

†. Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T Trace, or less than 0.01 inch. ††† Probably incomplete.

Daily Temperatures for April, 1928

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	50	58	73	75	80	78	76	53	43	48	49	61	68	67	66	43	43	68	70	66	57	57	60	51	45	49	46	33	53	63	....	58.3
	Minimum	29	27	29	35	40	33	51	23	24	26	32	30	38	41	21	11	18	22	42	32	26	35	42	34	27	27	29	28	27	33	....	30.4
Brandywine	Maximum	60	65	66	70	75	72	68	65	60	52	50	65	65	54	45	50	50	55	70	68	65	63	63	55	54	65	52	40	65	70	....	60.6
	Minimum	34	40	38	42	42	40	42	40	34	32	32	40	41	37	28	18	22	21	40	42	35	40	42	37	35	27	35	32	30	40	....	35.3
Martinsburg§	Maximum	47	60	70	80	84	81	72	62	52	50	40	66	70	73	44	54	54	62	81	59	47	48	52	66	56	57	40	50	63	....	....	60.0
	Minimum	31	30	30	40	46	46	48	42	36	35	32	32	36	39	35	25	25	23	25	41	33	39	41	42	40	36	37	32	33	47	....	35.9
Moorfield	Maximum	60	62	78	86	88	82	81	67	55	54	54	62	69	75	75	54	53	65	80	79	64	56	52	64	58	62	61	39	66	78	....	66.0
	Minimum	29	36	40	45	47	53	51	40	35	35	34	32	31	49	33	21	25	25	53	43	35	41	47	38	38	29	32	32	29	36	....	37.1
Piedmont	Maximum	48	42	77	78	68	60	72	65	60	58	59	66	65	74	62	49	46	60	75	60	51	48	57	54	50	48	45	35	60	70	....	58.7
	Minimum	30	32	35	42	40	46	42	38	36	29	30	32	31	46	29	22	25	25	45	35	34	40	45	42	31	30	31	31	32	39	....	34.8
Romney	Maximum	54	67	74	83	84	....	55	55	44	45	55	....	55	76	37	32	34	78	68	60	48	50	62	51	51	56	34	55	70	....	....	56.8
	Minimum	27	33	36	43	55	50	....	39	34	33	33	31	....	37	32	21	25	23	32	40	35	41	45	41	37	30	31	31	33	39	....	35.2
Upper Tract	Maximum	61	61	78	79	80	88	80	70	58	51	50	61	65	60	48	56	49	64	70	75	73	70	70	59	57	56	55	55	62	71	....	64.4
	Minimum	24	26	41	46	55	63	60	38	33	33	32	31	31	30	29	19	24	24	36	42	41	40	35	39	28	30	31	31	34	41	....	35.6
Northern Division																																	
Bens Run	Maximum	60	66	78	78	83	84	70	46	49	53	51	51	62	69	49	50	51	65	71	62	60	63	58	53	49	55	52	50	68	73	....	61.0
	Minimum	32	45	45	46	46	45	46	36	32	28	37	38	34	41	30	29	30	30	33	36	40	50	40	36	34	31	34	33	33	54	....	37.5
Buckhannon	Maximum	50	64	77	77	81	80	70	53	44	51	51	58	61	70	52	46	45	68	73	64	60	70	62	54	52	54	46	37	57	70	...	59.9
	Minimum	30	30	45	48	50	41	52	37	31	30	35	35	31	50	30	22	26	28	47	39	39	54	44	40	35	30	33	32	31	42	..	37.3
Cairo	Maximum	62	66	78	80	84	83	70	49	49	54	53	60	64	69	48	51	53	71	73	60	62	62	62	57	54	56	51	49	69	72	....	62.4
	Minimum	25	32	40	45	57	57	49	35	28	28	32	39	28	46	31	20	25	36	56	38	35	51	43	40	30	27	35	33	31	54	...	37.5
Clarksburg §	Maximum	57	70	79	82	85	83	67	45	44	52	44	57	64	71	41	49	42	72	72	56	63	67	57	55	50	57	37	46	66	71	....	60.0
	Minimum	29	31	36	47	48	46	62	38	32	30	32	34	35	47	30	20	25	30	38	38	37	46	43	41	34	26	35	32	32	46	....	36.7
Creston	Maximum	62	71	81	82	87	81	76	54	47	58	53	61	63	56	53	52	53	72	74	71	65	67	65	56	53	55	57	50	68	69	....	63.8
	Minimum	24	28	42	45	42	41	47	36	27	29	34	31	28	30	30	20	30	31	56	39	37	50	42	39	30	28	33	31	33	40	...	35.1
Elkins	Maximum	49	67	75	76	78	76	65	46	40	53	40	55	58	68	32	43	41	64	69	56	55	72	54	52	46	50	40	33	56	68	....	55.9
	Minimum	34	32	50	44	54	41	42	35	29	31	33	34	33	32	25	18	23	27	50	37	37	52	39	38	33	28	32	29	33	48	....	35.8
Fairmont§	Maximum	62	70	80	83	87	87	65	46	48	60	43	61	68	73	40	53	51	75	74	61	60	63	48	57	50	57	38	47	69	68	....	61.5
	Minimum	25	29	36	51	55	51	63	36	31	28	31	34	32	44	30	21	27	27	40	35	39	46	43	40	33	25	36	33	29	47	....	36.7
Glenville	Maximum	61	73	80	83	87	84	81	55	47	60	60	61	65	71	53	54	54	72	75	70	65	71	68	57	56	60	57	44	67	73	...	65.5
	Minimum	25	30	42	44	46	43	49	38	29	32	35	38	29	49	30	20	24	31	58	39	36	50	43	41	33	28	31	32	32	51	...	36.9
Lost Creek	Maximum	54	66	76	79	84	79	77	51	42	53	42	55	65	62	51	50	44	70	68	65	60	68	62	52	50	53	51	37	62	71	....	60.1
	Minimum	28	26	40	46	49	46	49	36	30	30	35	33	29	45	29	17	22	25	55	38	35	51	43	40	32	25	33	32	32	50	...	36.0
Mannington	Maximum	55	63	78	78	80	80	76	51	47	51	48	56	62	70	49	46	51	68	73	62	58	61	60	56	49	52	49	42	64	73	...	60.3
	Minimum	26	31	40	47	44	44	50	36	31	27	34	35	28	46	30	19	25	22	52	35	32	51	42	37	32	26	34	32	24	41	...	35.1
Morgantown	Maximum	64	64	77	78	81	83	78	52	47	51	48	54	62	71	49	46	49	68	72	61	54	62	56	54	46	51	46	41	63	71	....	60.1
	Minimum	21	32	53	57	59	57	48	35	30	26	33	32	38	48	28	20	31	24	56	33	38	51	40	38	31	30	32	31	32	51	...	37.8
New Cumberland§	Maximum	50	60	73	77	80	80	64	40	42	50	51	58	61	62	38	48	47	68	65	55	67	52	47	53	47	41	46	48	68	....	....	56.6
	Minimum	29	30	33	47	46	45	51	31	28	22	30	35	33	43	27	20	24	22	29	34	34	42	39	35	33	29	31	32	33	47	....	33.8
New Martinsville	Maximum	54	68	80	81	84	85	78	58	48	54	52	60	64	68	66	49	52	73	71	61	61	62	58	55	49	53	52	49	69	75	...	63.0
	Minimum	28	41	56	60	65	58	52	38	30	28	30	42	31	46	30	22	29	26	60	35	40	50	41	37	33	28	35	32	32	51	....	39.5
Parkersburg	Maximum	61	67	80	79	81	82	70	44	47	51	46	60	64	67	40	50	50	70	69	57	67	58	50	55	50	57	43	50	68	74	....	60.2
	Minimum	32	32	57	53	54	57	42	37	33	30	38	41	36	34	31	27	34	38	51	38	44	47	41	41	35	31	34	34	42	57	....	40.0
Parsons	Maximum	35	47	63	70	84	78	70	40	35	51	44	50	62	60	40	45	44	67	64	67	69	68	69	65	55	48	34	33	59	68	...	56.2
	Minimum	30	32	36	39	40	47	40	35	31	32	32	32	38	37	30	20	29	32	30	32	40	46	47	46	35	34	31	31	28	59	....	35.7
Philippi	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pickens	Maximum	49	69	76	78	80	76	65	49	47	41	39	55	60	64	47	48	44	64	70	62	60	70	56	52	50	52	40	30	54	63	....	57.1
	Minimum	23	23	46	46	47	44	40	26	24	24	29	29	25	40	20	11	20	19	46	32	42	46	35	30	25	22	26	22	21	42	....	30.8
Terra Alta	Maximum	49	54	62	70	75	75	73	46	35	43	43	47	53	53	50	39	39	61	61	60	52	58	58	41	38	44	49	30	51	62	...	52.4
	Minimum	29	25	36	41	42	41	46	31	25	26	30	29	32	44	23	15	22	19	50	30	32	38	41	33	27	25	30	28	27	43	....	32.0
Wellsburg	Maximum	52	62	72	77	81	83	70	48	44	50	52	58	62	64	47	47	47	69	66	55	53	57	53	50	50	48	47	45	67	70	....	58.2
	Minimum	27	33	39	39	44	41	48	37	30	21	25	36	27	40	29	18	27	19	54	36	33	47	40	33	32	26	31	32	30	47	...	34.0
Weston	Maximum	45	65	75	78	80	78	72	60	43	50	55	53	60	55	50	40	45	65	68	60	60	65	58	55	45	50	45	40	65	70	....	53.3
	Minimum	35	36	40	42	45	40	50	38	32	30	40	35	34	45	30	22	29	30	45	40	45	50	50	40	35	28	32	33	30	45	...	37.9
Wheeling§	Maximum	62	72	80	82	86	85	66	44	50	55	52	60	66	65	40	52	54	74	69	62	....	....	52	47	50	51	43	54	70	....	...	60.9
	Minimum	20	30	34	47	30	43	54	29	27	22	24	33	30	40	28	18	22	22	29	33	35	....	....	32	29	25	31	30	30	40	....	31.0
Southern Division																																	
Bluefield	Maximum	...	72	74	75	73	71	69	....	66	36	37	56	62	63	....	61	51	63	66	66	64	...	71	61	57	56	53	35	58	70	....	61.0
	Minimum	....	27	47	54	57	55	55	...	31	30	32	35	34	51	....	22	28	35	54	43	45	....	43	39	37	31	32	27	34	41	...	39.2
Charleston§	Maximum	68	78	80	82	80	82	68	60	58	58	58	60	66	60	58	50	50	70	74	68	74	70	50	58	58	60	40	50	72	76	....	64.5
	Minimum	31	38	39	50	50	50	56	40	34	36	38	38	34	38	34	28	32	36	38	48	48	54	49	44	39	33	33	33	34	48	...	40.1
Gary §	Maximum	62	76	78	79	78	77	69	57	46	43	....	60	66	67	39	54	54	69	72	68	73	78	57	64	60	61	36	52	65	75	....	63.3
	Minimum	27	34	38	51	49	48	62	37	29	33	35	....	33	35	31	23	26	33	44	45	48	53	56	41	39	30	35	31	32	45	....	38.8
Lewisburg	Maximum	57	69	73	75	74	72	70	60	46	44	43	59	63	66	63	52	54	62	73	67	61	73	67	59	65	56	51	38	60	73	....	61.5
	Minimum	23	29	38	47	45	45	55	35	30	30	32	34	28	48	27	17	21	22	51	43	42	42	45	40	37	26	32	29	35	42	....	35.7
Marlinton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	...	60	54	46	56	68	64	52	66	58	50	60	62	45	34	64	66	...	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	...	26	18	18	20	50	48	40	40	40	36	36	26	30	28	26	38	....	......
Point Pleasant	Maximum	65	67	79	75	80	85	85	75	65	60	50	60	60	58	48	52	48	60	60	65	70	70	70	65	56	51	50	50	55	55	....	63.0
	Minimum	30	30	50	50	53	59	45	38	32	28	30	32	30	40	30	20	25	30	45	49	40	49	40	38	30	30	30	32	34	35	....	36.8
Ravenswood	Maximum	62	68	76	77	78	81	75	53	46	54	53	62	62	68	49	50	51	70	71	69	64	73	62	55	53	56	55	51	68	71	....	62.8
	Minimum	28	29	55	49	49	54	51	35	32	30	37	36	30	49	31	22	29	31	47	34	44	40	31	34	31	30	36	33	38	53	....	37.6
Robertsburg§	Maximum	64	75	78	80	82	82	58	48	45	58	45	62	65	68	44	55	50	73	72	62	75	65	49	56	55	57	41	52	69	71	....	61.9
	Minimum	32	32	34	53	45	47	54	38	30	32	32	34	31	37	31	22	27	30	37	41	41	49	43	39	31	30	33	34	37	49	....	36.8
Ryan	Maximum	60	75	78	80	80	78	70	45	42	55	45	57	60	68	45	50	42	64	73	62	66	70	58	47	53	56	47	46	66	70	....	60.3
	Minimum	22	25	43	43	40	43	45	35	24	31	34	30	25	45	27	18	22	25	52	37	37	50	42	36	27	25	31	29	30	50	....	34.1
Spencer §	Maximum	62	70	81	81	84	84	67	49	44	57	44	61	65	70	40	51	49	71	74	60	65	66	46	56	55	50	38	47	67	75	...	61.0
	Minimum	32	28	55	51	47	49	58	37	27	30	41	34	29	50	24	20	30	35	58	49	42	49	42	40	32	29	32	30	35	47	...	38.7
Sutton	Maximum	54	70	75	79	80	80	79	57	50	56	56	53	57	61	61	53	53	71	71	69	65	66	66	56	49	52	57	38	65	72	....	62.4
	Minimum	27	32	46	46	48	44	50	37	29	24	38	39	37	40	31	21	24	31	48	44	39	53	46	37	37	31	33	32	30	43	....	37.2
Union	Maximum	....	72	76	78	76	73	75	....	66	44	42	60	64	65	....	65	57	65	73	69	68	....	72	60	62	62	62	36	....	76	....	64.7
	Minimum	....	25	41	48	56	53	56	....	28	31	33	35	27	52	....	18	21	29	54	44	43	....	44	40	37	21	33	30	....	34	....	37.3
White Sulphur Spgs§	Maximum	74	80	81	81	78	71	60	51	46	50	61	68	71	40	53	58	66	74	71	54	76	63	63	60	63	41	51	66	73	....	....	63.8
	Minimum	28	39	45	43	42	57	36	30	32	33	34	26	39	30	17	19	28	38	44	46	43	52	41	38	25	38	31	33	38	45	....	36.3
Williamson§	Maximum	65	79	82	81	81	81	67	57	44	56	46	62	74	70	53	57	54	76	77	68	68	76	57	62	62	61	44	61	70	....	....	65.2
	Minimum	57	44	45	42	52	60	60	40	30	31	41	40	38	38	36	30	35	44	45	50	56	56	51	46	43	36	34	33	38	60	....	43.7

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 5-26-28—850)

JUL 3 1928

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVI   Parkersburg, W. Va., May, 1928   No. 5

GENERAL SUMMARY

May was cool and dry. The temperature was below the normal for about twenty days. While the temperature averaged considerably below the normal, the May averages were lower in seven years of past record. Freezing temperature and light to heavy frosts occurred in many sections until the middle of the month, the lowest temperature for the month being general on the 13th. The precipitation was much below the normal, most of which was received during the last half of the month. Over the extreme eastern counties the rainfall averaged only about one-third of the normal. As the season was exceptionally backward, there was not much frost damage; but low temperature and cloudy and showery weather caused an exceptionally heavy fruit-drop near the close of the month. However, growth was much retarded by cool weather. The highest temperature recorded in the State during the last eight days was 79°. At the close of the month wheat was generally poor and corn small, with poor color. Pastures and meadows were fair, and potatoes generally good.

TEMPERATURE

The monthly mean for the State, determined from 46 stations, was 58.9°. The departure from the normal for 38 stations having ten or more years of record was —3.0°. The temperature was above the normal on the 3d-5th, 10-11th, and from the 16th to the 22d, the highest readings occurring at nearly all stations on the 4th. Decidedly cool weather prevailed from the 6th to the 9th, 12th to the 14th, and from the 23d to the end of the month, the lowest temperatures occurring at most stations on the 13th.

PRECIPITATION

The average precipitation for the State, determined from 87 stations, was 2.61 inches. The departure from the normal for 57 stations having ten or more years of record was —1.49 inches. Most of the precipitation was received on the 11-12th and from the 17th to the 20th and the 25th to the 28th and on the 30th-31st. There were light showers on the 4-5th and scattered showers on the 22-23d. A light flurry of snow was observed at Bruceton Mills and Martinsburg on the 12th.

HAIL

Light hail fell in sections of the following counties on dates given: Berkeley, 6th; Monroe, 10th; Greenbrier and Randolph, 22d; Ohio and Wood, 18th and 20th; Pleasants and Preston, 26th; Pocahontas, 27th; Braxton, 30th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 28th and 30th; Bancroft, 3d and 4th; Clay, 21st; Elkins, 6th; Fairmont, 6th and 21st; Grafton, 24th and 25th; Mannington, 6th, 21st, and 31st; Marlinton, 23d, 28th, and 30th; Parkersburg, 21st.

Halo, lunar: Parkersburg, 4th.

Thunderstorms (dates and number of stations reporting): 17th, 11; 18th, 8; 19th, 14; 20th, 2; 21st, 1; 22d, 4; 25th, 1; 26th, 4; 27th, 5; 30th, 8; 31st, 2.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)		Max. velocity		
		8 a.m.	local noon	8 p.m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Miles per hour	Direction	Date
Cincinnati, Ohio	29.98	66	46	49	319.4	74	4,642	6.2	20	ne.	7
Columbus, Ohio	29.97	67	44	46	314.9	71	5,840	7.8	35	nw.	30
Elkins	29.98	76	48	60	233.2	57	3,240	4.4	25	nw.	11
Lexington, Ky	29.97	69	56	....	273.3	62	8,301	11.2	26	nw.	1
Parkersburg	29.98	67	47	51	235.3	53	3,335	4.5	18	nw.	5
Pittsburgh, Pa	29.96	69	49	53	307.7	69	6,009	8.1	28	nw.	5
Wytheville, Va	29.94	73	49	61	270.0	62	3,855	5.2	25	w.	1

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	57.2	.....	.....	3.18	.....	.....	.....	.....	.....	.....	.....
1892	62.2	96	32	5.04	.....	.....	.....	.....	.....	.....	.....
1893	59.5	92	30	4.51	6.41	1.83	.....	10	12	9	10
1894	62.1	100	28	4.44	9.40	2.17	.....	13	16	9	6
1895	61.6	105	20	2.60	6.31	0.79	.....	9	12	11	8
1896	68.3	95	33	3.01	5.92	0.65	.....	10	11	13	7
1897	57.6	90	23	4.60	7.06	2.17	.....	11	13	10	8
1898	63.0	94	28	4.51	6.15	2.76	.....	13	13	10	8
1899	64.1	96	35	5.17	7.68	3.17	.....	12	11	11	9
1900	62.5	98	21	2.99	6.75	0.35	.....	8	14	9	8
1901	61.8	96	21	6.15	8.88	2.50	.....	13	11	10	10
1902	65.2	98	25	3.17	6.09	1.30	.....	9	14	11	6
1903	64.3	95	20	3.03	6.24	0.80	T.	8	18	9	4
1904	61.8	98	25	3.55	5.80	1.54	T.	11	12	11	8
1905	64.2	96	26	4.95	7.96	1.90	0	11	12	10	9
1906	62.7	98	22	2.59	6.89	0.39	T.	9	15	9	7
1907	59.0	93	24	3.88	6.37	1.38	T.	12	12	10	9
1908	63.4	96	28	6.19	11.45	2.73	0.1	17	9	12	10
1909	60.8	93	21	3.82	6.05	1.80	0.1	10	14	9	8
1910	57.9	96	19	3.92	5.87	1.55	0	12	11	10	10
1911	66.0	100	22	1.46	6.35	0.03	0	5	20	8	3
1912	63.3	94	31	3.93	7.50	1.16	0	11	15	8	8
1913	61.6	95	19	5.16	8.86	1.89	0	10	14	8	9
1914	62.4	100	24	1.96	3.75	0.55	0	6	18	8	5
1915	61.1	92	29	4.22	6.85	2.56	0	13	10	9	12
1916	64.0	97	28	3.58	6.00	0.90	T.	11	14	9	8
1917	55.5	95	25	4.88	5.45	2.45	T.	10	11	8	12
1918	66.7	97	25	4.34	10.28	1.85	T.	11	15	9	7
1919	61.5	100	30	5.25	10.71	2.75	0	13	12	7	12
1920	58.9	95	24	2.76	6.97	1.08	T.	7	16	6	9
1921	61.4	96	24	4.48	10.67	2.12	T.	12	12	7	12
1922	63.7	94	26	3.67	5.83	1.55	0	11	14	7	10
1923	59.7	93	21	2.58	5.33	0.18	1.3	8	16	6	9
1924	55.5	93	23	7.20	12.20	3.91	0.1	17	9	7	15
1925	56.8	100	21	3.35	6.56	0.70	0.2	10	13	8	10
1926	61.2	94	14	2.50	4.65	0.07	T.	9	15	8	8
1927	62.0	95	21	4.13	7.74	0.75	T.	15	10	8	13
1928	58.9	94	22	2.61	5.30	0.55	T.	10	14	8	9
1891-1928	61.6	105	14	3.93	12.20	0.03	0.1	11	13	9	9

Daily Evaporation (Inches) and Wind Movement (Miles) at Clarksburg, W. Va., May, 1928

See temperature and precipitation data in Climatological Tables, Pages 18, 19, and 20

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Month
Clarksburg	Evaporation	.349	.232	.221	.197	.217	.069	.178	.200	.246	.232	.245	.118	.135	.211	.189	.166	.076	.068	.169	.119	.032	.148	.257	.272	.175	.013	.130	.081	.131	.089	.064	5.029
	Wind movement	207	90	34	18	22	76	138	96	71	42	38	92	38	55	22	25	2	26	33	28	24	13	62	93	51	11	60	14	52	18	19	1,570

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

Climatological Data for May, 1928

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	27	53.4	-3.4	87	4	22	13†	55	5.30	+1.08	1.19	0	15	11	12	8	sw.	U. G. Clark
Brandywine	Pendleton	1,586	12	57.2	-1.0	87	4	27	13	53	1.15	-1.81	0.65	0	5	19	0	12	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	39	......	......	......	......	......	......	....	1.03	-2.84	0.24	0	10	......	......	......	......	J. C. Newcomer
Inwood	Berkeley	569	6	60.0^{a}	......	91^{a}	5	34	13†	45^{a}	1.19	......	0.33	0	12	13	10	8	nw.	L. E. Dills
Martinsburg	Berkeley	435	36	60.4^{a}	-2.7	93^{a}	5	31	14	50^{a}	1.53	-2.47	0.30	T.	11	18	13	0	sw.	Dr. H. S. Gardner
Moorefield	Hardy	900	32	62.3	-1.0	94	4	29	14	51	1.71	-1.84	0.49	0	10	28	1	2	......	M. S. Henkel
Piedmont	Mineral	1,053	15	56.4	-3.4	90	4	31	13†	44	1.66	-1.74	0.78	0	6	14	8	9	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	30	60.2^{d}	-2.8	90^{d}	3†	29^{c}	14	54^{g}	0.70	-2.93	0.63	0	2	12	10	9	......	George E. Bergdoll
Stony River Dam	Grant	3,300	8	......	......	......	......	......	......	....	2.03	......	0.51	0	9	8	7	16	w.	A. C. Becker
Upper Tract	Pendleton	1,230	29	58.6^{b}	-2.8	89^{b}	4	28^{b}	13	43^{b}	0.55	-2.63	0.25	0	3	20	1	10	w.	J. M. Mallow
Wardensville	Hardy	1,200	11	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	4	......	......	......	......	......	......	....	3.84	......	0.80	0	13	8	13	10	w.	L. Else Bond
Alma (near)	Tyler	......	1	......	......	......	......	......	......	....	2.99	......	0.68	0	12	11	8	12	......	D. N. Furbee
Bens Run	Pleasants	652	26	60.7	-2.5	89	3	36	13	45	2.01	-2.52	0.43	0	10	16	9	6	......	J. D. Riggs
Benson	Harrison	1,080	5	58.0	......	89	4†	26	13	52	4.10	......	1.40	0	14	11	18	2	......	R. D Marts
Brownsville	Lewis	1,032	5	59.3	......	90	4	29	9†	52	3.78	......	1.04	0	10	14	10	7	......	George M. Myers
Bruceton Mills	Preston	1,549	11	......	......	......	......	......	......	....	2.14	-2.27	0.56	T.	6	4	19	8	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	31	58.3	-2.6	84	4	32	9†	41	4.28	-0.32	0.85	0	12	21	4	6	......	H. A. Darnall
Cairo ††	Ritchie	680	29	59.4	-4.4	90	4	31	13	50	2.20	-1.32	0.89	0	10	17	4	10	......	O C. Hess
Clarksburg	Harrison	1,015	6	58.8	......	90	4	30	13	49	3.01	......	0.58	0	12	14	10	7	sw	Clarksburg Water Board
Cortland	Tucker	3,300	17	......	......	......	......	......	......	....	3.70	-0.79	0.75	0	10	9	20	2	......	G. W. Harmon
Crawford	Lewis	1,107	5	......	......	......	......	......	......	....	3.61	......	0.73	0	13	15	13	3	w.	George W. Blair
Creston	Wirt	640	26	61.8	-1.5	92	4†	31	7†	61	2.46	-1.45	0.65	0	9	16	0	15	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	7	......	......	......	......	......	......	....	1.91	......	0.58	0	9	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	12	......	......	......	......	......	......	....	2.28	-1.04	1.35	0	12	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	12	......	......	......	......	......	......	....	2.28	-1.33	0.82	0	12	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	7	......	......	......	......	......	......	....	2.38	......	0.72	0	13	......	......	......	......	Lockmaster
Davis	Tucker	3,093	19	......	......	......	......	......	......	....	3.63	-0.52	0.55	0	14	12	6	13	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	16	......	......	......	......	......	......	....	2.09	-1.60	0.52	0	10	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	27	55.7	-3.5	85	4	30	13	48	3.94	-0.04	1.13	0	10	7	11	13	nw	U. S. Weather Bureau
Evenwood	Randolph	3,240	3	......	......	......	......	......	......	....	3.73	......	1.29	0	11	4	13	14	s.	Claude A. Cunningham
Fairmont	Marion	883	22	61.6	0	93	4	33	13	50	2.71	-1.19	0.90	0	14	14	5	12	w.	J. C. Robinson
Glenville	Gilmer	738	34	60.4	-3.1	90	4†	30	8†	52	2.90	-1.31	0.86	0	12	11	13	7	w.	Howard R. Brannon
Grafton	Taylor	1,000	35	55.8^{a}	-6.0	88^{a}	4	24	13	55^{a}	1.50	-2.52	0.43	0	10	14	11	6	w.	T. D. Smith
Horner	Lewis	1,044	5	......	......	......	......	......	......	....	4.38	......	1.40	0	8	......	......	......	......	Foster R Hardman
Horton	Randolph	2,840	3	......	......	......	......	......	......	....	2.65	......	0.61	0	10	12	3	16	w	J. W. White
Janelew (near)	Lewis	1,020	5	59.1	......	91	4	28	13	50	4.15	......	0.85	0	9	17	9	5	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	30	56.0	-5.1	89	4	28	13	49	3.65	-0.64	0.68	0	11	16	4	11	w.	Allen Smith
Mannington	Marion	985	25	57.5	-3.5	87	4	29	13	45	2.30	-1.75	0.76	0	13	14	4	13	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	35	59.7	-2.8	87	4	32	13	41	1.44	-2.12	0.36	0	7	8	12	11	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	30	58.2^{a}	-2.5	88	4†	30	13	51^{a}	3.01	-0.29	1.60	0	14	13	5	13	n.	Geo. W. Derouin
New Martinsville	Wetzel	631	34	61.4	-2.2	90	4	32	13	49	2.25	-1.49	0.70	0	6	15	8	8	s.	Wm. Ankrom
Parkersburg	Wood	638	41	61.2	-2.6	89	4	39	6	42	1.84	-1.62	0.68	0	8	11	6	14	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	28	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	J. W. Swisher
Parsons No. 2	Tucker	......	2	......	......	......	......	......	......	....	3.97	+0.07	0.77	0	13	16	10	5	......	Robert T. Deem
Philippi	Barbour	1,559	31	......	......	......	......	......	......	....	4.03	-0.25	0.99	0	11	......	......	......	......	Prof. Elwyn F. Chase
Pickens	Randolph	2,697	25	52.7	-5.7	84	4	23	13	47	3.29	-2.14	1.01	0	9	16	8	7	w.	Dr. I. L. Cunningham
Roanoke	Lewis	1,050	5	......	......	......	......	......	......	....	4.13	......	0.77	0	10	15	9	7	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	41	......	......	......	......	......	......	....	3.85	-0.50	0.77	0	13	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	19	......	......	......	......	......	......	....	2.51	-1.55	0.46	0	10	......	......	......	......	Wm. Hughes
Smithfield	Wetzel	850	22	......	......	......	......	......	......	....	1.25	-2.91	0.43	0	8	14	12	5	......	Everett V. Price
Terra Alta	Preston	2,559	27	52.6	-6.4	81	4†	24	13	44	3.20	-1.79	0.95	0	14	7	8	16	w.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	5	59.4	......	90	4	30	13	48	3.55	......	0.80	0	9	23	5	3	nw.	J. C. Campbell
Vandalia	Lewis	1,120	5	......	......	......	......	......	......	....	4.00	......	1.13	0	9	......	......	......	......	Creed H. McCue
Wellsburg	Brooke	668	21	57.4	-3.1	88	10	28	13	53	1.65	-1.83	0.22	0	11	16	8	7	w.	George P. Paster
West Milford	Harrison	979	3	......	......	......	......	......	......	....	3.91	......	1.15	0	8	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	33	59.2	-3.9	88	18	35	7†	41	4.25	-0.06	0.80	0	11	3	26	2	......	Weston State Hospital
Wheeling	Ohio	645	41	58.4	-4.5	94	4	30	13	54	2.13	-1.36	0.82	0	13	13	7	11	se.	Miss M. B. Forsyth
Woodlands	Marshall	637	1	......	......	......	......	......	......	....	2.47	......	0.95	0	14	13	8	10	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	2	......	......	......	......	......	......	....	1.59	......	0.40	0	10	15	8	8	w.	H. S Sutton
Bancroft	Putnam	574	24	60.6	-3.2	92	4	35	8†	47	1.51	-2.63	0.55	0	8	18	0	13	ne.	R. E Dent
Bluefield^{c}	Mercer	2 558	33	60.4	-1.5	87	4	35	14	44	3.21	-0.43	0.80	0	9	15	6	5	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	13	......	......	......	......	......	......	....	1.45	-3.75	0.86	0	3	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	25	62.7	-3.2	94	4	36	13	44	1.82	-2.25	0.58	0	8	22	0	9	......	R. O. Fields
Clay	Clay	706	12	......	......	......	......	......	......	....	1.38	-2.75	0.36	0	9	......	......	......	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	2	......	......	......	......	......	......	....	1.35	......	0.14	0	5	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	690	12	......	......	......	......	......	......	....	2.07	-2.26	0.33	0	11	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	12	......	......	......	......	......	......	....	2.36	-1.46	0.68	0	10	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	1	......	......	......	......	......	......	....	1.34	......	0.43	0	9	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	12	......	......	......	......	......	......	....	1.38	......	0.55	0	7	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	12	60.0	......	89	4	33	13	47	4.62	+0.55	1.29	0	14	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	31	61.9	-2.9	94	4	34	13	51	2.15	-1.62	0.86	0	13	19	5	7	......	Mrs M. L. McClung
Kanawha Falls	Fayette	618	9	......	......	......	......	......	......	....	2.95	......	1.60	0	9	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	12	......	......	......	......	......	......	....	1.82	-3.08	0.95	0	10	......	......	......	......	Cabin Creek Con. Coal Co
Kermit	Mingo	579	2	......	......	......	......	......	......	....	3.62	......	1.82	0	6	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	28	57.4	-3.2	86	4	29	13	46	2.01	-1.63	0.75	0	9	15	8	8	nw.	Geo. F. Argabrite
Logan	Logan	700	25	......	......	......	......	......	......	....	3.24	-0.92	1.77	0	6	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	29	56.0	-1.0	84	4	24	13	46	1.98	-1.99	0.76	0	8	10	17	4	nw.	S. L. Brown
Organ Cave	Greenbrier	......	2	......	......	......	......	......	......	....	1.95	......	0.85	0	5	14	12	5	w.	J. J Hedrick
Point Pleasant	Mason	595	35	60.6	-4.6	90	10	30	8	48	1.95	-2.00	0.80	0	10	17	0	14	w.	Miss Grace E. Henson
Powellton	Fayette	904	34	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	5	60.0	......	87	10†	34	9†	46	2.04	......	0.54	0	9	17	0	14	nw.	Lockmaster
Robertsburg	Putnam	570	28	61.0	-2.9	91	3†	34	9†	50	1.43	-2.17	0.51	0	9	17	0	14	......	M. Frazier
Ryan	Roane	700	25	57.5	-4.7	87	4†	28	8	49	2.30	-1.40	0.55	0	7	13	8	10	......	Wm. E. Ryan
Sharples	Logan	......	8	......	......	......	......	......	......	....	2.98	......	1.45	0	7	......	......	......	......	R. W. Howard
Spencer	Roane	789	24	59.2	-3.4	90	4	32	13	48	2.23	-1.47	0.61	0	10	12	11	8	......	A. M. McKown
Sutton	Braxton	850	22	59.6	-5.7	90	4†	31	8	51	3.10	-1.39	0.67	0	9	22	0	9	......	C. B. Eakle
Union^{c}	Monroe	2,250	24	61.1	0	94	5	29	14	48	2.29	-0.47	0.62	0	6	8	11	8	......	W. M. H. Young
Wayne	Wayne	598	1	......	......	......	......	......	......	....	2.62	......	0.99	0	7	......	......	......	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	18	59.8^{a}	-1.0	94^{a}	3	27	12	56^{a}	1.99	-1.88	0.56	0	13	21	9	1	......	H. E. Green
Williamson††	Mingo	673	28	66.3	+0.9	93^{a}	4	45	2†	41^{a}	4.39	+0.48	1.99	0	9	9	0	22	sw.	A. J. Maynard
State averages and	extremes	......	....	58.9	-3.0	94	3†	22	13†	61	2.61	-1.49	2.11	T.	10	14	8	9	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters. ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for May, 1928

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac	.03					.12						.39	T.				.03	.94		.23	.26	T.	1.19	.63	.27	.31	1.17	.04		.22	.07	5.90
Brandywine	...do						.15											T.					.15			.15	.40	.30					1.15
Harpers Ferry‖	...do						.15			.08									.21	.06	.01	.13				.01	.06		.02	.21			[illegible]
Inwood	...do						.05						.09						.28			.06	.02	.01		.05	.33	.08	.09		.02	.11	1.19
Martinsburg‖	...do						.30						.10						.18		.10	.18	.05			.10	.30	.02	.06			.14	1.53
Moorefield	...do						.04											.08	.19				.30			.23	.25	.08	.04	.11		.06	1.71
Piedmont	...do											.09						.27		.78					.35			.20			.02		1.66
Romney‖	...do																									.63	.07						0.70
Stony River Dam	...do						.01												.51		.35	.05		.06		.35	.12	.07	.18				2.03
Upper Tract	...do										T.							.20						T.		.10		.25		T.	T.		0.55
Wardensville‖	...do																																
Northern Division																																	
Aberdeen	Monongahela					T.	.09					.31	.21				.01	.50	.54	.02	.50					.80	T.	.27	.05		.42	.12	3.84
Alma (near)	Ohio					.02						.24	.08					.65	.20	.68	.25					.33		.07	.03		.17	.27	2.99
Bens Run	...do											.15						.37	.27	.17	.15					.43	.02	.02			.28	.15	2.01
Benson	Monongahela	.02					.09					.14	.28					.25	.06	.03	1.40	.02				.84	.02		.52		.25	.18	4.10
Brownsville	...do	T.				T.	.06					.06	.29					.74	T.	.15	1.04					.70	T.	.24	T.		.31	.21	3.75
Bruceton Mills	...do											T.	.35				T.	.56	.07		.50						.08		T.			.58	2.14
Buckhannon	...do	.10			.13							.62					T.	.45	.30	.45	.42					.85	.15	.25			.46	.12	4.28
Cairo	Little Kanawha					.04						.18	.07				T.	.04		.40	T.					.89	.01	T.	.05	T.	.20	.32	2.20
Clarksburg‖	Monongahela						.06						.34					.22	.58	.46	.37	.02				.32	.25		.16	.02	T.	.21	3.01
Cortland‖	...do					.15						.15						.40	.20	.45	.30					.75	.20	.15			.65		3.70
Crawford	Little Kanawha	.02				.08						.29	.24					.73	.27	.54	.03					.60	.11	.27			.26	.23	3.61
Creston‖	Monongahela											.10	.45					.21			.22					.24	.19	.07	.32			.65	2.46
Dam 10, Mon. R.‖	Ohio						.14												.31		.02	.24				.58	.11	.03		.12		.36	1.91
Dam 12, O. R.‖	...do						.01						.24				T.	.03	.06	.28	1.35					.01	.05	.01		.03	.15	.06	2.28
Dam 13, O. R.‖	Monongahela						.02						.23				.03	.01	.45	.16	.82	.01			.31		.02		.01	.21			2.28
Dam 15, Mon. R.‖	...do	.06					.06						.26					.08	.42	T.	.18	.72					.06	.12	.08	.09	.03	.22	2.38
Davis †††	...do	.16					.10						.55				T.	.28	.41	.06	.38	.13		.07		.32	.54	.11	.13			.39	3.63
Elizabeth (D'm 3 L K)	Little Kanawha												.52					.13	.07	.12	.17					.27	.15		.08		.24	.34	2.09
Elkins***	Monongahela					.18						.50						.37	.22	1.08	.11					.70	.14	.33			.31		3.94
Evenwood	...do					.07	T.				.40						.01	.36		.52	.11		.09			1.29	.17	.09			.62		3.73
Fairmont‖	...do						.15						.29					.15	.22	.02	.24	.90				.25	.04	.07	.07	.14	.02	.15	2.71
Glenville‖	Little Kanawha	.04					.14						.86					.30	.06	.18	.25					.22	.18	.14	.04	T.		.48	2.90
Grafton‖	Monongahela						.11					.43					.06	.16		.02	.04					.35	.08	.10			.15		1.50
Horner	...do											.22	.20					.50	.30		1.40					.50		.40		.86			4.38
Horton	...do						.09						.16					.29		.16	.13		.61			.60	.23	.25			.13		2.65
Janelew (near)	...do						.20					.15						.85	.75		.55					.85		.25			.30	.25	4.15
Lost Creek	...do	T.				.05						.47					T.	.21	.10	.58	.52					.68	T.	.04	.64		.27	.09	3.65
Mannington	...do					.08	T.					.11	.09					.35	.09	.02	.76					.28	.02	.07	.16		.24	.03	2.30
Morgantown	...do					.15						T.						.36	T.	T.	.26					.05	T.		.17		.31	.14	1.44
New Cumberland‖	Ohio						.05					.08					.02	.08	.24	.30	1.60					.21	.08	.02	.03	.03	.05	.22	3.01
New Martinsville	...do											.05						.50			.70					.30					.60	.10	2.25
Parkersburg***	...do					T.						.23						.36	.04	.23	T.					.68	T.	.02	.02		.26		1.84
Parsons	Monongahela																																
Parsons No. 2	...do	.03				.30							.43					.27	.47	.10	.50	.05				.30	.48	.05	.22			.77	3.97
Philippi	...do	.10																.99	.42	.08	.60	.05				.43	.43	.23	.10		T.	.60	4.03
Pickens	...do					.16						.74						.43		.15	.20					1.01	*	.28			.32		3.29
Roanoke	...do						.10					.48	.36					.26	.12	.27	.77					.72		.52			.53		4.13
Rowlesburg‖	...do	.02					.14						.34					.01	.72		.36	.77				.18	.36	.42	.03	.09		.12	3.56
Saint Marys‖	Ohio												.31					.10	.36	.03	.46	.02				.38	.18	T.			.11	.36	2.31
Smithfield‖	Fishing Creek						.08						.21	.43					.22		.04					.09		.07			.14		1.28
Terra Alta	Monongahela		T.			.02	.07					.42	.07				T.	.14	.20		.95	.07				.61	.01	.12	.05		.21	.26	3.20
Valley Chapel	...do											.22	.20					.55		.30	.75					.84		.01	.35		.30		3.55
Vandalia	...do			.50	.18					1.13	.52								.17	.95						.03		.02		.50			4.00
Wellsburg	Ohio					.03						.20					.20	.21	.15		.22					.22	.05	.09	.14	T.	.14		1.65
West Milford	Monongahela	.08				.05						.50						.35			1.05					.70		.03				1.15	3.91
Weston	...do						.05						.50					.40	.80	.10	.60					.40	.50	.10	.20			.60	4.25
Wheeling‖	Ohio						.01					T.	.28				.01	.06	.07	.27	.82					.33	.05		.01	.02	.14	.06	2.13
Woodlands‖	...do						.03						.04				.03	.05	.12		.95	.03				.23	.01	.02	.05	.02	.23	.66	2.47
Southern Division																																	
Arbovale	Great Kanawha						.08					.01						.20		.16	.01		.24			.24	.40	.20			.05		1.59
Bancroft‖	...do												.25					.08	.05							.13	.28	.12	.05			.55	1.51
Beckley	...do																																
Bluefield	...do							.51											.60	.80				.40		.23	.45		.20	.02			3.21
Camden-on-Gauley‖	...do						.86																				.56				.03		1.45
Charleston‖	...do												.28					.12	.06							.14	.58	.26	.04			.34	1.82
Clay‖	...do												.26					.01	.09	T.	.16					.14	.36		.14	.08		.14	1.38
Dam 6 G. K.‖	...do												.24													.19	.44	.20				.25	1.35
Dam 19 O. R.‖	Ohio						T.						.21				T.	.07	.18	T.	.28	.24				.33	.28	.03	.05		.08	.32	2.07
Dam 20 O. R.‖	...do												.20					.12	.05		.68	.02				.28	.15		.03		.20	.60	2.36
Dam 25 O. R.‖	...do												.43					.01			.11					.20	.18	.02	.07		.21	.11	1.34
Dam 26 O. R.‖	...do												.55					.05			.30					.15	.07	.08				.15	1.35
Gary‖	Big Sandy	.06					.47	.26	.07				.02						.64	1.29	.19	.17		.31		.08	.69	.31				.06	4.62
Hinton‖	...do	.01					.12	.16					.01					.01	.55	.08	.12					.02	.86	.06			.02	.13	2.15
Kanawha Falls‖	Great Kanawha												.15					.06	.12	.65						.01	1.60	.09	.04			.23	2.95
Kayford‖	...do		T.										.10						.02	.12	.04					.06	.95	.14	.05		.01	.30	1.82
Kermit‖	Big Sandy						.15						.15						.32	.90							1.82		.28				3.62
Lewisburg	Great Kanawha						.21			T.			.03					.66	T.	.22						.06	.75	.05		.02	.01		2.01
Logan‖	Guyandotte																		.65	.38	.05					.14	1.77					.25	3.24
Marlinton	Great Kanawha						.08					T.						.40		.18			.26			.04	.76	.14		.12		T.	1.98
Organ Cave	...do						.30											.85	.40				.25			.15					*		1.95
Point Pleasant‖	Ohio	.04											.80					.10		.20						.10	.19	.06	.04		.22	.20	1.95
Powellton	Great Kanawha																																
Ravenswood (Dam 22)	Ohio												.54					.13	.07		.42					.10	.20		.10		.05	.43	2.04
Robertsburg‖	Great Kanawha												.51					.07	.09							.17	.05	.14	.04		.10	.26	1.43
Ryan	...do					.18						.41						.55	T.							.52		.33			.20	.11	2.30
Sharples‖	Coal River											.30							.35		.20					.12	1.45	.26				.30	2.98
Spencer‖	Great Kanawha						T.						.61					.22	.11		.04				.18		.34	.12	.18		.22	.21	2.23
Sutton	Gauley						.10					.12	.35					.32			.25					.67	.40	.25			.64		3.10
Union	...do	T.						.46			T.							.62	.50	.21						.05	.45						2.29
Wayne‖	Big Sandy																		.58	.35						.13	.99	.13	.40			.04	2.62
White Sulpr. Spgs.‖	Great Kanawha					.20	.22		.08			.06						.43	.07			.02	.15		.06	.56	.07			.03	.04		1.99
Williamson‖	Big Sandy												.17						.76	.34	.30			.26		.12	1.99	.30				.15	4.39

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for May, 1928

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	64	69	85	87	85	69	58	61	73	80	77	63	59	69	76	76	74	74	77	67	78	77	71	63	58	61	63	66	62	68	63	70.1
	Minimum	34	30	30	37	40	33	37	26	24	30	45	32	22	22	28	38	45	50	52	53	49	41	39	28	41	40	42	34	39	34	41	36.6
Brandywine	Maximum	75	80	85	87	85	75	70	68	70	80	78	75	65	65	80	78	80	76	80	77	80	70	68	60	62	68	60	70	70	71	70	73.5
	Minimum	32	33	32	35	50	42	38	30	40	35	50	38	27	28	40	44	52	50	51	52	50	51	40	34	42	44	45	42	40	41	44	41.0
Martinsburg§	Maximum	73	75	81	90	93	61	63	66	71	84	84	64	66	71	80	73	77	85	85	80	85	82	74	70	57	72	65	72	71	68	....	74.6
	Minimum	46	44	41	44	47	47	44	39	45	34	40	43	34	31	34	41	54	59	62	60	55	58	57	44	45	49	50	46	47	50	43	46.2
Moorfield	Maximum	75	78	87	94	93	74	66	66	76	88	89	72	70	76	85	79	81	86	90	85	86	86	79	75	68	73	79	76	72	71	76	79.1
	Minimum	44	40	38	44	49	47	45	32	39	37	50	42	39	29	38	45	52	58	60	58	55	54	54	38	49	50	47	47	45	42	45	45.5
Piedmont	Maximum	67	69	82	90	86	60	60	60	72	80	74	60	60	66	75	70	69	75	78	77	74	70	61	54	64	65	60	65	64	63	66	68.9
	Minimum	39	39	41	46	51	41	43	34	34	40	54	36	31	31	38	46	53	52	59	53	52	50	38	46	47	40	42	45	44	45	47	43.8
Romney	Maximum	61	81	90	90	90	63	67	....	88	85	67	62	68	83	78	78	83	86	77	....	86	....	77	71	70	62	65	70	64	74	....	75.4
	Minimum	44	40	40	45	51	47	44	31	....	37	55	41	30	29	38	46	52	58	61	58	....	54	....	37	46	49	45	44	46	43	46	44.9
Upper Tract	Maximum	67	....	87	89	85	80	75	62	80	....	62	60	67	72	73	78	79	80	80	80	81	79	78	74	61	67	71	72	71	70	70	74.1
	Minimum	49	....	48	50	42	46	44	32	37	....	42	41	28	29	36	41	43	46	54	55	50	51	51	34	47	47	44	43	41	38	39	43.0
Northern Division																																	
Bens Run	Maximum	69	76	87	89	77	64	59	71	79	88	80	62	68	76	81	79	74	79	80	71	80	83	74	66	64	66	70	70	71	65	72	73.9
	Minimum	41	39	42	46	51	39	42	37	38	44	57	39	36	39	42	57	57	62	62	63	62	54	48	41	47	43	45	51	49	53	46	47.5
Buckhannon	Maximum	67	70	80	84	79	58	61	66	70	80	81	60	60	72	76	75	74	76	78	73	74	78	75	61	60	64	60	70	64	63	65	70.1
	Minimum	42	37	39	45	48	41	42	35	32	39	50	42	32	41	42	51	57	62	62	61	56	52	57	39	50	55	44	48	45	46	48	46.5
Cairo	Maximum	66	77	85	90	80	65	63	70	79	88	81	64	68	77	80	80	78	81	81	73	82	84	73	65	57	65	72	71	70	65	75	74.4
	Minimum	39	34	38	42	49	36	44	32	35	38	52	36	31	33	40	55	55	63	61	62	52	49	44	38	49	41	41	49	45	51	43	44.4
Clarksburg §	Maximum	67	76	85	90	78	60	61	70	77	86	80	61	68	76	79	80	79	80	80	69	81	81	70	64	56	65	71	69	71	66	71	73.1
	Minimum	45	35	37	43	55	39	43	35	34	37	51	37	30	34	38	51	50	61	60	62	54	50	49	36	47	43	41	46	43	47	43	44.4
Creston	Maximum	72	78	89	92	87	62	68	75	80	90	91	91	92	90	81	81	78	82	81	73	84	86	80	76	63	65	71	71	73	69	74	78.9
	Minimum	40	34	38	43	52	38	43	31	32	38	52	36	31	32	42	53	58	60	62	62	54	49	47	37	49	43	42	47	43	48	47	44.6
Elkins	Maximum	62	68	83	85	77	56	60	63	69	79	79	52	58	72	73	75	72	76	78	70	74	77	67	58	55	63	58	66	62	62	64	68.2
	Minimum	46	35	35	43	43	38	42	35	31	36	50	36	30	31	39	48	55	58	58	58	55	48	46	35	48	47	41	44	43	41	45	43.2
Fairmont§	Maximum	68	80	91	93	81	67	68	74	81	91	78	65	70	82	80	82	78	82	83	70	86	87	76	65	58	69	69	70	74	64	76	76.1
	Minimum	44	39	41	56	55	40	42	38	35	41	56	37	33	36	40	54	60	60	63	62	54	51	50	49	48	43	42	48	48	53	45	47.2
Glenville	Maximum	73	79	89	90	90	67	68	74	80	88	85	64	70	80	82	81	79	83	83	75	84	82	79	75	64	70	67	71	71	67	74	76.9
	Minimum	40	34	37	42	48	41	43	30	30	39	47	36	31	33	40	51	56	60	59	60	53	53	47	36	48	45	43	45	42	45	46	43.9
Lost Creek	Maximum	68	73	84	89	78	60	59	67	78	82	73	70	68	77	80	72	72	68	68	64	69	73	73	64	59	54	61	65	65	62	69	69.8
	Minimum	42	34	35	41	50	35	42	30	30	35	39	34	28	31	35	50	54	60	59	59	53	48	46	34	48	40	40	45	41	47	40	42.1
Mannington	Maximum	68	72	81	87	83	60	61	69	74	84	80	65	63	73	79	78	72	77	79	71	77	80	77	65	60	64	65	67	69	65	69	72.1
	Minimum	37	33	37	41	49	34	42	30	30	36	53	34	29	31	35	51	54	60	59	61	51	47	45	35	47	41	38	47	47	52	43	42.9
Morgantown	Maximum	68	72	84	87	82	60	62	70	73	86	81	64	63	75	78	76	74	77	80	70	81	81	76	63	60	65	68	70	69	65	70	72.6
	Minimum	49	43	45	53	48	36	39	34	38	45	59	36	32	38	43	53	57	60	62	62	54	51	48	38	45	44	45	48	48	50	47	46.8
New Cumberland§	Maximum	63	73	85	88	77	62	68	72	77	88	69	59	63	73	79	71	73	78	83	73	80	80	66	63	67	69	68	71	68	66	....	72.4
	Minimum	47	38	39	45	51	35	36	33	34	37	50	36	30	32	37	45	52	60	61	61	52	50	50	39	46	40	47	47	43	48	43	44.0
New Martinsville	Maximum	72	77	79	90	85	65	65	75	80	89	85	67	68	77	81	80	83	81	83	73	82	82	87	67	62	66	75	72	73	68	74	76.2
	Minimum	41	36	41	45	52	40	42	37	36	40	58	38	32	36	39	57	56	61	62	63	54	53	58	39	48	44	42	50	48	53	47	46.7
Parkersburg	Maximum	66	75	86	89	74	63	62	70	77	88	75	60	65	76	81	78	76	80	81	70	79	82	70	63	59	68	69	70	71	65	73	72.9
	Minimum	48	41	46	51	48	39	43	41	43	46	52	42	40	45	47	60	62	64	64	63	55	55	50	42	52	45	48	53	52	53	48	49.6
Parsons	Maximum	68	69	78	79	70	50	....	....	....	....	59	59	60	70	79	78	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	45	48	50	48	47	42	....	....	....	....	30	29	29	38	45	45	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Philippi	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Pickens	Maximum	61	72	83	84	78	56	62	67	69	79	63	48	61	64	75	75	73	72	74	77	76	80	70	45	56	64	58	68	61	61	65	67.6
	Minimum	34	42	36	44	45	35	35	28	25	35	42	29	23	30	35	43	50	48	42	47	50	43	40	27	43	42	35	38	34	35	38	37.8
Terra Alta	Maximum	62	65	79	81	81	57	54	56	69	78	75	58	56	64	69	66	66	68	68	67	71	71	66	60	53	52	59	59	56	56	60	64.6
	Minimum	42	39	35	42	49	33	37	34	30	36	53	31	24	27	33	42	51	53	56	57	53	44	43	29	41	43	36	38	43	39	44	40.5
Wellsburg	Maximum	69	74	85	87	76	64	65	71	78	88	77	65	65	72	78	70	72	77	81	75	81	82	72	64	66	66	69	69	68	65	72	73.0
	Minimum	38	34	37	41	50	33	35	29	31	35	57	35	28	29	33	48	50	59	60	60	50	47	42	34	45	36	39	45	41	52	40	41.7
Weston	Maximum	65	70	80	85	80	75	50	55	68	82	80	75	70	75	80	85	82	88	85	80	80	80	75	74	65	68	70	65	65	62	70	73.7
	Minimum	40	42	45	50	60	38	35	40	42	44	50	42	35	38	52	56	60	62	65	50	50	39	38	39	40	38	40	38	39	39	40	44.7
Wheeling§	Maximum	69	79	89	94	80	68	68	74	82	91	71	65	69	72	82	70	75	81	83	78	84	88	74	69	64	69	70	72	74	69	67	75.5
	Minimum	40	35	40	44	45	33	38	34	32	37	40	34	30	32	35	40	52	60	61	40	50	48	45	35	42	37	42	46	43	48	41	41.3
Southern Division																																	
Bluefield	Maximum	69	75	85	87	86	....	75	57	72	79	84	80	....	73	75	80	79	75	70	....	76	80	70	66	65	65	....	71	70	....	71	74.4
	Minimum	37	40	41	53	58	....	41	40	37	42	42	43	....	35	51	50	57	57	58	....	52	52	53	43	47	48	...	45	44	...	43	46.5
Charleston§	Maximum	70	78	84	94	68	66	70	80	80	88	84	70	72	80	80	84	84	82	80	78	82	86	80	70	60	64	66	72	70	70	72	76.3
	Minimum	56	42	44	50	56	44	43	38	39	45	50	45	36	40	46	52	55	62	62	56	56	55	56	48	48	52	50	51	46	50	48	49.1
Gary §	Maximum	67	74	85	89	79	55	53	68	74	81	78	62	72	78	78	82	81	76	77	75	81	83	74	65	71	62	66	74	64	68	72	73.0
	Minimum	45	37	38	46	49	46	45	43	37	39	47	49	33	36	47	50	55	60	58	59	55	55	56	41	45	48	50	45	46	44	50	47.0
Lewisburg	Maximum	65	71	81	86	80	55	54	60	71	78	82	66	66	69	75	78	77	74	77	73	79	79	73	64	63	67	64	71	63	65	67	70.8
	Minimum	45	35	35	43	49	44	45	39	36	36	45	42	29	35	40	45	55	56	57	58	50	54	51	38	48	48	45	39	4[illegible]	39	41	43.9
Marlinton	Maximum	62	66	78	84	78	54	54	64	70	78	80	56	66	68	72	78	76	74	74	78	75	76	70	64	58	64	64	68	69	62	68	69.1
	Minimum	50	34	36	48	48	46	44	36	46	32	48	42	24	26	34	38	44	52	58	56	56	54	48	33	48	52	42	44	36	38	36	42.9
Point Pleasant	Maximum	70	78	80	80	80	80	70	60	78	90	80	80	75	70	70	78	80	80	82	82	80	85	85	75	70	65	60	68	70	72	72	75.6
	Minimum	48	38	41	59	51	35	40	30	35	42	38	37	35	35	38	55	60	60	60	60	55	55	50	36	40	39	38	50	52	50	50	45.5
Ravenswood	Maximum	71	77	86	86	85	64	64	72	77	87	87	63	68	78	80	79	76	78	79	74	80	83	82	71	62	59	70	70	69	70	74	74.9
	Minimum	40	36	41	46	53	35	43	40	34	41	54	40	40	42	34	56	61	51	54	55	47	41	51	39	42	43	43	51	44	53	44	45.0
Robertsburg§	Maximum	67	80	91	91	80	65	67	75	79	87	80	65	71	82	78	78	77	79	79	75	83	85	75	66	66	68	70	70	70	70	75	75.7
	Minimum	47	37	41	45	50	37	45	35	34	39	51	41	34	35	45	53	58	60	63	63	55	50	53	42	48	43	46	50	43	50	46	46.4
Ryan	Maximum	70	75	85	87	75	65	66	70	77	87	83	60	65	70	80	80	75	73	75	75	80	85	80	65	64	57	64	70	70	70	65	73.0
	Minimum	38	31	36	40	46	35	42	28	29	51	47	34	30	32	40	49	54	57	54	60	59	47	46	33	46	42	49	42	39	44	40	42.0
Spencer §	Maximum	71	75	86	90	76	62	63	69	77	87	82	60	67	67	80	79	78	79	80	76	81	84	74	62	58	67	68	69	67	66	71	73.3
	Minimum	46	35	39	45	50	37	43	38	33	39	50	38	32	37	47	53	57	60	61	62	52	49	52	37	50	43	42	42	43	45	41	45.1
Sutton	Maximum	72	77	87	90	90	70	61	68	75	86	86	70	67	77	77	79	79	76	82	82	81	81	77	74	62	66	66	72	72	65	70	75.3
	Minimum	40	35	36	42	48	42	45	31	32	37	45	41	32	34	42	51	57	59	52	54	56	51	53	32	45	48	44	46	42	38	45	43.8
Union	Maximum	71	76	84	90	94	....	76	63	77	83	86	83	....	75	76	82	81	74	78	....	82	81	79	76	67	68	....	74	75	68	72	77.4
	Minimum	47	34	36	44	51	....	43	41	40	36	48	44	....	29	42	44	56	57	55	....	52	55	52	40	48	49	....	41	42	39	45	44.8
White Sulphur Spgs§	Maximum	78	88	94	86	52	56	66	79	85	85	67	73	75	81	83	84	80	84	83	87	86	81	70	70	71	69	78	66	71	76	....	76.8
	Minimum	32	32	40	46	44	45	36	39	33	43	45	27	31	39	43	53	55	58	59	48	53	52	36	48	50	44	42	40	42	40	36	42.9
Williamson§	Maximum	72	80	90	93	77	65	62	75	80	88	90	73	76	83	82	87	86	77	78	78	83	83	79	72	73	73	73	77	67	75	....	78.2
	Minimum	52	45	49	53	58	60	50	46	46	47	55	48	69	45	49	58	64	63	63	64	60	61	69	50	52	52	53	55	51	53	54	54.4

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 6-26-28—850)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXVI PARKERSBURG, W. VA., JUNE, 1928 No. 6

AUG 16 1928

GENERAL SUMMARY

The past month, with an average precipitation of 7.37 inches, was not only the wettest June of State record but was the fourth wettest month of State record. The averages for July in 1896 and 1912 were 9.07 and 7.48 inches, respectively, and the average for August in 1898 was 7.51 inches. While the month was exceptionally cool, the temperature averaged 1° higher than for June, 1927. Excessive rains caused much damage by washing and flooding in many sections of the State. Heavy rain on June 25 over the northern portion of Morgan County caused much damage to Berkeley Springs Park. Warm Spring Run swept over its retaining wall damaging rustic bridges and leaving a thick deposit of mud in the bath houses and over the park. Heavy rain over the southern counties on the 28-29th caused floods in all creeks and smaller rivers, causing much damage. As recorded, the 48-hour rainfall ranged generally from 2 inches to nearly 6 inches. The storm caused two deaths in Logan County, a boy 16 years old and a colored infant. Great floods occurred in Twelve Pole Creek and its tributariss in Wayne County. Twenty-five houses were totally destroyed, many others damaged, and nearly 300 people were made homeless. Owing to quite general showers on 20 days, farm work was much delayed, and cool weather much retarded growth.

TEMPERATURE

The monthly mean for the State, determined from 47 stations, was 66.7°. The departure from the normal for 38 stations having ten or more years of record was —2.6°. The month opened cool and the temperature was also considerably below the normal on the 3d and from the 6th to the 12th, 14th to the 16th, and from the 24th to the close of the month. The temperature was above the normal on only five or six days, with the highest readings occurring generally on the 13th. The temperature was lowest on the 1st.

PRECIPITATION

The average precipitation for the State, determined from 85 stations, was 7.37 inches. The departure from the normal for 58 stations having ten or more years of record was +2.76 inches. Precipitation was recorded daily for the State, but the amounts were light and scattered on the 1st, 3d, 11th, 16th, 17th, and 28th. The greatest amounts were recorded on the 18-19th, 24-25th, and the 28-29th.

LIGHT HAIL

Light hail was noted in sections of Mingo and Pleasants Counties on the 17th and in Lewis County on the 29th.

MODERATE HAIL

Moderate hail fell at and in the vicinity of Berkeley Springs, Morgan County, on the 25th.

HEAVY HAIL

Heavy hail fell in sections of Bath and Sleepy Creek districts of Morgan County on June 27, causing great damage to fruit and crops. The storm moved northward from the southern portion of Bath district to the Potomac River, covering a territory from one to two miles in width. The stones were about the size of walnuts. The storm was most severe near Ridersville, where bushels of hail stones were shoveled up after the storm.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 8th, 11th, 26th, and 28th; Bayard, 7th; Clarksburg, 15th; Elkins, 1st, 11th, 13th, 15th, and 28th; Fairmont, 15th; Grafton, 7th; Marlinton, 1st, 8th, 15th, 16th, and 28th; Terra Alta, 3d and 28th.

Frost, light: Arbovale, Bayard, Marlinton, Pickens, and Terra Alta, 1st.

Thunderstorms (dates and number of stations reporting): 2d, 2; 5th, 1; 6th, 1; 8th, 1; 9th, 9; 10th, 1; 11th, 1; 12th, 1; 13th, 5; 17th, 6; 18th, 9; 19th, 19; 20th, 12; 21st, 7; 22d, 1; 23d, 8; 24th, 8; 25th, 4; 26th, 3; 27th, 3; 28th, 2; 29th, 5; 30th, 6.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
									Max. velocity		
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Miles per hour	Direction	Date
Cincinnati, Ohio...	29 88	80	68	75	210.7	47	4,451	6.2	25	nw.	19
Columbus, Ohio...	29.88	80	62	69	214.6	48	5,700	7.9	37	w.	19
Elkins........	29.91	86	65	80	140.7	32	3,188	4.4	30	nw.	9
Lexington, Ky.....	29 89	85	73	....	141.8	32	8,515	11.8	36	ne.	19
Parkersburg.......	29.91	78	62	73	168.3	38	3,674	5.1	24	nw.	19
Pittsburgh, Pa.....	29.88	78	61	67	257.5	57	6,454	9.0	36	nw.	19
Wytheville, Va....	29.91	86	66	78	209.0	47	3,744	5.2	25	w.	9

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	71.2	.....	......	5.02	......	......	......	......	......	......	......
1892	74.1	99	41	3.90	.....	......	......	.....	......	......	......
1893	70.2	99	40	3.81	6.41	1.83	......	10	13	10	7
1894	70.4	103	32	3.27	6.78	1.25	......	8	16	10	4
1895	72.1	102	38	2.92	5.66	1.20	......	7	15	10	5
1896	69.8	95	30	5.35	9.86	0.11	......	10	8	14	8
1897	69.3	96	35	4.31	6.77	1.31	......	10	12	12	6
1898	70.9	99	41	3.21	7.50	0.66	......	10	14	11	5
1899	72.0	98	35	4.99	8.93	1.46	......	11	14	9	7
1900	71.2	98	41	5.30	15.62	2.49	......	13	9	12	9
1901	70.7	104	32	5.67	11.10	1.37	......	13	12	12	6
1902	68.0	100	33	5.19	8.49	2.45	......	12	11	13	6
1903	65.1	93	34	4.80	12.30	2.01	......	13	8	11	11
1904	69.5	97	36	4.20	8.29	2.05	..	13	10	13	7
1905	70.6	100	34	4.38	7.72	1.47	......	11	13	11	6
1906	70.9	101	38	5.25	9.32	2.84	......	14	11	12	7
1907	65.3	97	33	6.00	11.95	1.93	......	14	10	11	9
1908	69.2	98	36	3.12	6.75	1.35	......	9	15	10	5
1909	71.1	101	35	5.73	9.19	2.47	.....	16	9	13	8
1910	66.6	96	32	5.67	11.27	1.52	......	13	10	10	10
1911	70.7	101	40	4.44	9.34	1.88	......	11	14	10	6
1912	67.3	95	29	4.27	9.21	1.11	......	11	13	10	7
1913	69.5	99	29	3.44	6.55	0.86	......	9	18	8	4
1914	72.0	100	30	3.09	6.60	0.62	......	8	15	11	4
1915	67.7	95	33	3.63	7.09	1.21	......	9	15	8	7
1916	65.8	94	35	5.42	14.54	2.50	......	12	14	8	8
1917	67.7	99	31	3.81	6.58	1.38	......	12	14	9	7
1918	68.2	99	34	4.17	10.11	0.87	......	8	16	7	7
1919	73.0	100	40	5.06	10.15	1.67	......	10	16	8	6
1920	67.9	98	36	5.01	9.70	2.53	......	12	13	7	10
1921	72.4	101	38	4.01	8.67	0.47	......	9	15	9	6
1922	70.7	97	33	4.66	7.95	1.75	......	11	12	9	9
1923	70.2	102	35	4 51	10.37	1.25	......	11	16	7	7
1924	68.7	98	32	4.67	7.63	1.90	......	13	13	8	9
1925	72.2	109	35	3.51	8.06	1.05	......	9	16	8	6
1926	65.9	95	31	3.85	9.18	0.90	......	11	13	8	9
1927	65.7	99	29	4.08	9.93	2.10	......	11	12	8	10
1928	66.7	96	33	7.37	11.69	1.55	......	19	7	9	14
1891-1928	69.5	109	29	4.50	15.62	0.11	......	11	13	10	7

Climatological Data for June, 1928

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	27	61.8	-1.5	87	13	33	1	40	9.67	+4.62	1.43	0	17	7	13	10	sw.	U. G. Clark
Brandywine††	Pendleton	1,586	12	63.0	-4.9	87	13†	34	1	40	6.10	+2.84	1.50	0	14	5	4	21	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	39	......	......	......	......	......	......	....	5.43	+1.73	1.30	0	14	......	......	......	......	J. C. Newcomer
Inwood	Berkeley	569	6	67.8^{a}	......	87^{a}	9	46	1	34^{a}	7.18	......	1.25	0	18	11	9	10	s.	L. E. Dills
Martinsburg	Berkeley	435	36	68.8^{a}	-1.8	88^{a}	9†	48	8†	31^{a}	7.73	+3.44	1.90	0	16	11	16	3	se.	Dr. H. S. Gardner
Moorefield	Hardy	900	32	70.3	0	90	5	40	1	43	4.21	+0.31	0.76	0	15	26^{a}	1^{a}	2^{a}	......	M. S. Henkel
Perry	Hardy	......	0	......	......	......	......	......	......	....	8.94	......	1.67	0	17	4	19	7	sw.	W. R. Paddock
Piedmont	Mineral	1,053	15	64.6	-4.0	85	20	43	1	29	6.29	+2.73	1.75	0	12	9	8	13	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	30	66.3^{g}	-3.6	88^{g}	13	43^{f}	1	35^{j}	7.41	+3.50	1.58	0	11	5^{c}	6^{c}	16^{c}	......	George E. Bergdoll
Stony River Dam	Grant	3,300	8	......	......	......	......	......	......	....	6.94	......	1.05	0	22	4	6	20	w.	A. C. Becker
Upper Tract	Pendleton	1,230	29	65.5^{c}	-2.4	85^{c}	10†	36^{c}	1	39^{c}	1.55	-2.08	0.30	0	9	8^{a}	0^{a}	21^{a}	w.	J. M. Mallow
Wardensville	Hardy	1,200	11	61.2^{a}	......	86^{a}	2†	39	20†	43^{a}	9.68	......	1.42	0	26	1	3	26	......	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	4	......	......	......	......	......	......	....	6.65	......	1.79	0	19	3	14	13	w.	L. Else Bond
Alma (near)	Tyler	......	1	......	......	......	......	......	......	....	10.10	......	1.80	0	21	3	10	17	......	D. N. Furbee
Bens Run	Pleasants	652	26	67.2	-3.1	88	13	47	1	33	11.45	+6.93	2.25	0	14	5	13	11	......	J. D. Riggs
Benson	Harrison	1,080	5	66.6	......	87	14	37	1	36	7.37	......	2.55	0	22	5	17	8	......	R. D Marts
Brownsville	Lewis	1,032	5	67.7	......	89	23	39	1	37	6.96	......	1.06	0	19	11	7	12	......	George M. Myers
Bruceton Mills	Preston	1,549	11	......	......	......	......	......	......	....	8.23	+3.65	1.14	0	20	0	17	13	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	31	66.0	-2.6	83	13	43	1	28	7.72	+2.83	1.50	0	21	7	8	15	......	H. A. Darnall
Cairo	Ritchie	680	29	67.4	-3.1	91	13	39	1	38	6.26	+1.45	1.12	0	16	10	5	15	......	O C. Hess
Clarksburg	Harrison	1,015	6	67.5	......	89	17†	42	1	37	5.10	......	1.05	0	22	4	15	11	w.	Clarksburg Water Board
Cortland	Tucker	3,300	17	......	......	......	......	......	......	....	10.88	+6.10	3.90	0	26	0	26	4	......	G. W. Harmon
Crawford	Lewis	1,107	5	......	......	......	......	......	......	....	7.66	......	1.33	0	23	3	12	15	w.	George W. Blair
Creston	Wirt	640	26	68.3	-2.3	90	13	40	10	37	7.82	+3.55	1.85	0	15	10	0	20	sw.	J. M. Reed
Dam 10 Mon. R††	Marion	826	7	......	......	......	......	......	......	....	4.51	......	0.81	0	20	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	12	......	......	......	......	......	......	....	6.02	+2.33	0.85	0	18	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	12	......	......	......	......	......	......	....	5.30	+1.80	0.76	0	19	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	7	......	......	......	......	......	......	....	5.19	......	0.91	0	20	......	......	......	......	Lockmaster
Davis	Tucker	3,093	19	......	......	......	......	......	......	....	11.05	+6.13	3.37	0	22	2	4	24	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	16	......	......	......	......	......	......	....	8.00	+4.18	1.21	0	18	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	27	64.1	-2.8	84	13	38	1	33	7.99	+2.95	1.35	0	25	0	9	21	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	3	......	......	......	......	......	......	....	5.74	......	1.45	0	19	8	18	4	......	Claude A. Cunningham
Fairmont	Marion	883	22	69.3	-1.1	93	17	43	1	40	4.09	-0.30	0.69	0	17	8	12	10	w.	J. C. Robinson
Glenville	Gilmer	738	34	68.0	-2.8	89	13	42	1	37	7.04	+2.57	1.52	0	22	6	13	11	w.	Howard R. Brannon
Grafton	Taylor	1,000	35	64.6^{a}	-4.6	89^{a}	13	38	1	44^{a}	5.45	+0.86	1.27	0	20	7	8	15	w.	T. D. Smith
Horner††	Lewis	1,044	5	......	......	......	......	......	......	....	7.58	......	2.45	0	19	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	3	......	......	......	......	......	......	....	8.85	......	1.46	0	21	2	5	23	sw	J. W. White
Janelew (near)	Lewis	1,020	5	67.6	......	87	20	40	1	36	6.36	......	1.48	0	14	12	8	10	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	30	65.2	-2.6	88	13	39	1	41	6.18	+1.99	1.80	0	18	5	9	16	w.	Allen Smith
Mannington	Marion	985	25	65.8	-2.3	84	13	40	1	33	5.65	+1.43	0.99	0	21	5	10	15	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	35	67.8	-1.3	87	17	45	3	33	4.66	+0.15	0.76	0	14	4	8	18	se.	Prof. E. L. Andrews
New Cumberland	Hancock	671	30	65.8^{a}	-2.1	87^{a}	13†	42	3	38^{a}	9.70	+5.20	2.00	0	20	5	6	19	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	34	68.9	-2.5	90	13	44	1	36	7.55	+3.48	1.15	0	17	10	3	17	s.	Wm. Ankrom
Parkersburg	Wood	638	41	68.2	-3.2	89	13	49	1	28	8.63	+3.98	2.29	0	21	5	5	20	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	28	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	J. W. Swisher
Parsons No. 2	Tucker	......	2	......	......	......	......	......	......	....	5.85	+0.61	0.72	0	20	7	14	9	......	Robert T. Deem
Philippi	Barbour	1,550	31	......	......	......	......	......	......	....	7.46	+2.94	0.94	0	18	......	......	......	......	H. F. Brittingham
Pickens	Randolph	2,697	25	61.0	-4.1	83	17	35	1	39	11.69	+5.58	2.02	0	18	8	5	17	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	5	......	......	......	......	......	......	....	7.85	......	1.20	0	21	0	15	15	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	41	......	......	......	......	......	......	....	6.97	+1.95	1.00	0	20	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	19	......	......	......	......	......	......	....	9.52	+5.75	1.53	0	20	......	......	......	......	Wm. Hughes
Smithfield	Wetzel	850	22	......	......	......	......	......	......	....	3.53	-1.06	0.76	0	19	4	14	12	......	Everett V. Price
Terra Alta	Preston	2,559	27	59.9	-5.9	79	13	37	1	30	6.41	-0.57	0.66	0	23	0	8	22	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	5	67.4	......	87	13	41	1	37	6.95	......	1.87	0	18	7	15	8	w.	J. C. Campbell
Vandalia††	Lewis	1,120	5	......	......	......	......	......	......	....	7.31	......	1.21	0	16	......	......	......	......	Creed H. McCue
Wellsburg	Brooke	668	21	65.6	-2.0	89	13	40	1†	40	7.02	+2.61	1.04	0	18	13	7	10	w.	George P. Pfister
West Milford	Harrison	979	3	......	......	......	......	......	......	....	8.15	......	1.75	0	12	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	33	70.1	-0.2	89	20†	40	7	34	8.60	+4.05	1.20	0	17	1	22	7	......	Weston State Hospital
Wheeling	Ohio	645	41	65.8	-4.7	91	20	42	3	40	6.10	+2.29	1.01	0	20	8	10	11	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	1	......	......	......	......	......	......	....	8.09	......	2.10	0	22	2	10	18	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	2	......	......	......	......	......	......	....	7.15	......	1.20	0	25	8	10	12	sw.	H. S. Sutton
Bancroft	Putnam	574	24	68.4	-2.5	90	19	47	1	33	7.70	+3.07	1.40	0	21	12	0	18	ne.	R. E. Dent
Bluefield^{d}	Mercer	2.558	33	67.0	-1.8	84	19†	41	8	33	3.00	-1.78	0.80	0	16	8	13	5	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	13	......	......	......	......	......	......	....	11.03	+5.89	2.10	0	11	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	25	69.5	-3.6	88	16†	48	1†	32	8.06	+3.53	1.30	0	23	8	0	22	......	R. O. Fields
Clay	Clay	706	12	......	......	......	......	......	......	....	10.47	+6.31	1.78	0	23	......	......	......	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	2	......	......	......	......	......	......	....	7.30	......	1.12	0	18	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	12	......	......	......	......	......	......	....	8.10	+4.17	1.56	0	22	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	12	......	......	......	......	......	......	....	7.65	+3.80	1.62	0	22	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	1	......	......	......	......	......	......	....	5.78	......	1.79	0	19	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	12	......	......	......	......	......	......	....	7.40	+3.14	1.50	0	22	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	12	68.0	......	87	13†	44	1	35	4.33	-0.75	0.63	0	24	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	31	68.2	-2.3	89	19†	45	1	36	6.02	+1.79	2.36	0	20	15	6	9	......	Mrs. M. L. McClung
Kanawha Falls	Fayette	618	9	......	......	......	......	......	......	....	7.69	......	1.16	0	18	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	12	......	......	......	......	......	......	....	8.77	+2.96	1.30	0	27	......	......	......	......	Cabin Creek Con. Coal Co
Kermit	Mingo	579	2	......	......	......	......	......	......	....	11.57	......	3.60	0	23	......	......	......	......	E. B. Kirk
Lewisburg^{a}	Greenbrier	2,250	28	64.5	-2.7	84	13	37	1	36	5.45	+1.21	0.89	0	15	5	14	10	nw.	Geo. T. Argabrite
Logan	Logan	700	25	......	......	......	......	......	......	....	10.32	+4.91	2.87	0	16	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	29	62.2	-2.3	82	22	34	1	38	9.19	+4.45	1.46	0	21	1	20	9	sw.	S. L. Brown
Organ Cave	Greenbrier	......	2	......	......	......	......	......	......	....	4.50	......	0.90	0	11	8	16	6	w.	J. J. Hedrick
Point Pleasant	Mason	595	35	68.8	-3.6	90	14†	40	7	36	5.62	+1.32	1.40	0	17	8	6	16	sw.	Miss Grace E. Henson
Powellton	Fayette	904	34	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	5	68.4	......	86	13	47	10	33	6.69	......	1.80	0	18	7	0	23	sw.	Lockmaster
Robertsburg	Putnam	570	28	68.6	-2.7	90	22	46	1	35	6.02	+1.97	1.58	0	22	8	0	22	......	M. Frazier
Ryan	Roane	700	25	65.4	-3.7	85	13†	40	1	35	9.11	+4.64	1.71	0	21	2	13	15	......	Wm. E. Ryan
Sharples	Logan	......	8	......	......	......	......	......	......	....	10.59	......	1.93	0	19	......	......	......	......	R. W. Howard
Spencer ††	Roane	789	24	66.2	-3.7	85	13†	42	1	30	7.92	+3.57	1.52	0	17	2	11	17	......	A. M. McKown
Sutton	Braxton	850	22	66.9	-6.0	91	13†	42	1†	36	11.24	+6.21	1.75	0	23	6	0	24	......	C. B. Eakle
Union^{d}	Monroe	2,250	24	67.2	0	87	13	39	1	39	4.76	+0.44	1.00	0	15	1	10	15	......	W. M. H. Young
Wayne	Wayne	598	1	......	......	......	......	......	......	....	9.75	......	1.86	0	21	......	......	......	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	18	67.5^{a}	-0.5	96^{a}	20	43	2	36^{a}	4.36	-0.20	0.90	0	19	20	8	2	......	H. E. Green
Williamson	Mingo	673	28	72.6^{a}	+0.6	91^{a}	19†	53	7†	25^{a}	7.70	+3.07	1.30	0	24	5	0	25	sw.	A. J. Maynard
State averages and	extremes	......	....	66.7	-2.6	96	20	33	1	44	7.37	+2.76	3.90	0	19	7	9	14	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for June, 1928

Stations	Drainage basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	[illegible]
Panhandle Division																																	
Bayard⦀	Potomac		.42			1.09	.63	.21	T.	.04	1.43	T.	.12		.04				.11	1.11	1.08	.73	1.19	T.	.17			.12		.04	1.11		9.67
Brandywine	....do				.35	.75				.60			.15	.40	T.				T.	1.50	.10	.35	.10		.55	.45		.10		.25	.15		6.10
Harpers Ferry⦀	....do			.06	.46	1.30				.08					.14	1.29				.22	.10	.03	.50			.09	.40	.33		.43			5.43
Inwood	....do				.28	.18	.88			.17	.30		.02		.07	.35				.80	.35	.35	1.25		.13	.37	.21	.75		.71	.01		7.18
Martinsburg⦀	....do		.15		.15	.60	.45			.08	.15		T.		T.	.15				.80	.50	.63	1.90		.25	.22	.35	.60		.75	T.		7.73
Moorefield	....do		.05		.50		.76			.10	.26		.03						.33	.54	.07	.02	.15	.65	.01	.70		.01					4.21
Perry	....do		.02		.37	.97	.47		.30	.05	T.				1.67				.13	.42	.05		.96	.27	.40	1.02	1.00	.33	.51				8.94
Piedmont	....do				.92		.12			.43									.26	.93		.16	.53	1.75	.20	.38	.25			.36			6.29
Romney⦀	....do					.67					.57								.18	.80		.05	1.14		.90	1.58	1.15	.11		.23			7.41
Stony River Dam	....do		.32		.30	.20	.59	.14	.04	.13	.62		.11		.12	.10			.15	.56	1.05	.08	.80		.31	.36	.07	.07		.21	.55		6.94
Upper Tract	....do		.10		.15		.30				T.	T.	.30	T.	.10			T.	T.	T.	.25	.15		.10	.10	T.				T.			1.55
Wardensville⦀	....do	.10		.65	.14	.37	.12	.18	1.14		.23	.16	.45	.11	.28	.36	.45	.26	1.00	1.42		.20	.11	.15		.37	.56	.24	.40	.12	.11		9.68
Northern Division																																	
Aberdeen	Monongahela	T.		T.	.25	T.	.80	.14	.02	.48	.38		.05	.01	.06			T.	.03	1.79	.60	.89	T.		.20	.28	.02	.05		.53	.07		6.65
Alma (near)	Ohio		.21		.50	.10	.43	.12	.16	.15				.04	.32				1.70	1.30	.52	.58	.16	.13	1.80	.70	.02		.01	.97	.18		10.10
Bens Run	....do				.64		.22	.20	.22	.16									2.25	1.00	2.10	.02		.18	1.58	1.34				1.14	.40		11.45
Benson	Monongahela	.02	.08		.33	.05	.38	.10	.02	.28	.14		.30		.20				.15	2.55	.22	.28	.22	.10	.63	.15	.20			.78	.19		7.37
Brownsville	....do	T.	T.	T.	.44	.01	.56	.21	T.	.61	.11		T.	.11	.10	T.			.11	1.01	.18	.59	.19	.06	.36	.29	.01	T.		1.06	.32		6.96
Bruceton Mills	....do		.21	T.	.85	.05	.40	.05	.70	.22			.10	.17	.30				.50	1.14	.09	.27		.63	.19	.10	.11		T.	.85	1.00		8.23
Buckhannon	....do		.05	T.	.33	T.	.33	.14	T.	.80	.10		.05	.12	.12			.32	.12	1.50	.90	.22	.30	.37	.66	.16	.32	T.	T.	.66	.15		7.72
Cairo	Little Kanawha		T.	T.	.28	T.	.25	.05	.13	.16				T.	.05				.65	1.12	.74	.05		.68	.56	.22	.02	T.	.30	1.00			6.26
Clarksburg⦀	Monongahela		.08		.30	.19	.06	.11	.07	.21	.27		.12	.02		.02			.02	.45	1.05	.26	.17		.24	.60	.25	.02		.49	.07		5.10
Cortland⦀	....do				.25	.30	.25	.40	.15	.70	.15	.35	.20	.10	.15	.10	.25	1.00	3.90	.05	.22		.62	.15	.23	.10	.15	.20	.16	.25	.50		10.88
Crawford	Little Kanawha		.08	T.	.15	.08	.22	.11	.03	.73	.17		.02	.02	.02			T.	.04	1.24	.43	.19	.24	.21	1.33	.51	.02	.34	T.	.83	.65		7.66
Creston⦀	Monongahela			T.	.19	.21	.15	.23	.16		.36	.06				.05			.42		1.85	.98	.15			.28				1.21	1.52		7.82
Dam 10, Mon. R.⦀	Ohio		.15		.38	.20	.24	.08	.04	.22	.06					.35			.03	.44	.81	.05	.04		.35	.03	.08	.09		.52	.35		4.51
Dam 12, O. R.⦀	....do		.37		.33	.77	.85	.04	.03	.34	.38					.25			.09	.30	.21	.07			.27	.08	.45			.81	.38		6.02
Dam 13, O. R⦀	Monongahela		.10		.35	.54	.59	.07	.02	.36	.32					.44			.10	.30	.20	.17	.04		.30	.18	.28			.76	.18		5.30
Dam 15, Mon. R.⦀	....do		.23		.32	.22	.11	.11	.06	.21	.18					.13			.06	.40	.91	.18	.07		.78	.11	.12	.08		.61	.27		5.19
Davis⦀	....do		.42		.32	.19	.75	.26	.07	.28	.82		.12		.21	.18			.31	1.02	3.37	.33	.44		.55	.13	.06	.30		.29	.63		11.05
Elizabeth (D'm 3 L K)	Little Kanawha				.30	.14	.13	.05		.13	.22		.09			.07		T.	.87	.09	1.03	.23	.05		1.21	.73	.50			1.03	1.13		8.00
Elkins***	Monongahela	.01	.18	.01	.23	.56	.31	.08	.05	.78		.17	.21	T.	.10			T.	.23	1.30	.27	.59	.09	.80	.56	.01	.26	.01	.05	1.12	.01		7.99
Evenwood	....do	T.	.09	.34	.19	.27	.14	.31	.06	.29		T.	.08	T.	.14				.15	1.45	.04	.91		.11	.52	.02				.44	.19		5.74
Fairmont⦀	....do		.09		.34	.24	.09	.11	.03	.21	.18			T.		.06				.53		.31	.08		.69		.22	.06		.62	.23		4.09
Glenville⦀	Little Kanawha				.08	.15	.09	.40	.07	.12	.80		.19	.16	.08	.12			.08	.11	1.52	.21	.10		.22	.58	.26	.20		.64	.86		7.04
Grafton⦀	Monongahela	.16			.35	.12	.14	.13	.04	.19	.38		.10		.12			T.		1.27	.63	.21	.29	.20		.07	.14	.04		.79	.08		5.45
Horner	....do	.03	.05			.24	.25	.30	.40	.10	.20	.50	.10							2.45	.83			.18	.70	.12	.10		.03	.80	.20		7.58
Horton	....do	T.	.70	.05	.28	.28	.88	.10	.04	.49	.10	T.		.12	.50			.27		1.46	.84	.16	.36	.40	.24	.18				.48	.92		8.85
Jauelew (near)	....do				.40		.48	.15		.50	.35				.10				.12	1.48	.40	.60			.48	.20				1.00	.10		6.36
Lost Creek	....do	T.	.05		.52	.03	.12	.06	T.	.60	.04		T.	T.	.20				.32	1.80	.28	.07	.08	.55	.56	.10	.17		T.	.63			6.18
Mannington	... do		.41		.63	.03	.35	.15	.10	.19	.03				.15				.40	.99	.20	.11	.06	.26	.37	.23	.03		.01	.72	.23		5.65
Morgantown	....do		.15		.62	T.	.31	.10	T.	.22	T.		.10		.43				.34	.56	.10	T.	T.		.42	.10		T.		.45	.76		4.66
New Cumberland⦀	Ohio		.15		.34	2.00	1.32	.07	.03	.42	.92					.24			.08	.52	.05	.34	1.70		.08	.08	.08	.26		.65	.37		9.70
New Martinsville	....do		.85		.70		.49	.20	.25	.25					.25				.45	1.15	.30	.15	.05	.15	.95	.20	.20			1.05			7.55
Parkersburg ***	....do	.02		.03	.44	.09	.21	.06	.13	.10			.02		.18			.38	.21	1.30	.40	.05		1.51	1.26	.08	.02		.95	1.19			8.63
Parsons	Monongahela														1.70			.05		1.05	.11	.14	.25	.75	1.23	T.	T.	T.	.23	.25			+++
Parsons No. 2	....do		.09		.10	.32	.42	.17	.01	.20	.67		.20		.01				T.	.32	.72	.26	.52		.67	.11	.01	.26		.20	.59		5.85
Philippi	....do		.02		.26	.16	.10	.61	.03	.09	.94									.90	.83	.80	.41		.53	.29	.36	.54		.41	.18		7.46
Pickens	....do		.45			.88	.48	.30		1.00				.12	.63		.12	T	.40	.73	.78		2.02	.65	.54		.64	.23	T.	.98	.74		11.69
Roanoke	..do		.01		.30		.65	.13	.07	.62	.41		T.	.15	.11		T.	.03	.02	1.20	.47	.43	.32	.16	.80	.50	.04			.94	.49		7.85
Rowlesburg⦀	....do		.33		.07	.66	.18	.45	.08	.28	.64		.05			.32				.18	.98	.12	.22		1.00	.45	.04	.39		.48	.05		6.97
Saint Marys⦀	Ohio		.16		.36	.15	.36	.13	.02	.16	.17		T.	T.	.02	.23			.55	1.53	1.38	1.03	.10		1.05	.55	.33	T.		.82	.42		9.52
Smithfield⦀	Fishing Creek	.06				.17	.09		.25	.16	.10		.06		.05	.07			.08	.04	.76	.06	.11		.67	.32	.13			.16	.19		3.53
Terra Alta	Monongahela	T.	.17		.66	.06	.44	.32	.01	.46	.29		.03	T.	.37			.09	.08	.47	.17	.27	.11	.30	.40	.17	.08	.36		.48	.62		6.41
Valley Chapel	....do				.47	.05	.28	.17		.45	.22		.23	.10	.09				.25	1.87	.34	.43	.01		1.06	.13	.10			.70			6.95
Vandalia	....do			T.	.19	.02	.07	.30	.17	.73					.21			.50	.32	1.21	.66	T.		.37	.59	.70	T.			1.03	.24		7.31
Wellsburg	Ohio		.50		1.04	.49	.64	.15	.03	.80	.03				.30				.66	.03		.09	.23		.45	.32		.03		1.00	.23		7.02
West Milford	Monongahela	1.15		.09	.50		.40				.64			.20					.40	1.75					1.37	.70	.20				.75		8.15
Weston	....do				.30	.10	.20	.25	.10		1.00		.10			.10				1.20	1.15	1.10	.50		.40	.40	.30			1.00	.40		8.60
Wheeling⦀	Ohio		.49		.30	.75	.82	.04	.02	.35	.26				T.	.27			.10	.45	.15	.12	.01		.30	.06	.58	.02		.76	.25		6.10
Woodlands⦀	....do	.01	.54		.38	.40	.57	.05	.02	.35	.22			.01	.01	.10			.55	.12	.59	.19			2.10	.44	.56	.02		.63	.23		8.09
Southern Division																																	
Arbovale	Great Kanawha		.10		.26	.17	.70	.02	.06	.61	.01	.08	.01	.02	.26			.53	.10	1.20	.51	.23	.05	.28	.51	.01	.02		.01	.79	.61		7.15
Bancroft⦀	....do		.06		.28	.10	.09	.15	.05	.08	1.18		.04	.18	.05			.47	.17		1.30	.35	.51		.15	.52	.31			1.40	.26		7.70
Bluefield	....do	.02	.11		.03		.15	.05		.29		.80	.03		.03				.03		.13	.51		.18		.15	.07			.42			3.00
Camden-on-Gauley⦀	....do				.85			1.25			1.10				.80	1.00			.80		1.09	1.10	.50			.44					2.10		11.03
Charleston⦀	....do		.20		.16		.30	.12	.06		.84		.04	.20	.04	.40		.60	.20	.06	.74	.12	.86		.34	.28	.24	.06	.02	.88	1.30		8.06
Clay⦀	....do		.07		.17	.09	.60	.10	.25	.10	.75		.01	.27	.21			.42	.47	.02	1.44	1.78	.25		.54	.62	.26	.09		.80	1.16		10.47
Dam 6 G. K.⦀	....do		.20		.18		.30	.07	.08		.92			.48	.04	.18			.56	.12	.74		.65		.55	.19	.08			1.12	.84		7.30
Dam 19 O. R.⦀	Ohio		.03		.28	.29	.18	.08	.04	.14	.09			.10	.01	.14			.24	.20	1.56	.62	.06	.05	.90	.86	.17	T.		1.34	.72		8.10
Dam 20 O. R.⦀	....do		.06		.30	.30	.12	.12	.04	.16	.09		.02	.23	.01	.08			.14	.22	.98	1.62	.08		1.00	.40	.24			1.25	.22		7.68
Dam 25 O. R.⦀	....do				.50	.10	.03	.10	.05	.05	.33				.05	.04			.01	.03	.86	.73	.10		.20	.17	.24			1.79	.40		5.78
Dam 26 O. R.⦀	....do		.03		.20	.25	.05	.15	.05	.10	.40		.10	.14	.05	.10			.05	.07	.60	.75	.18		.25	.60	.30			1.50	1.48		7.40
Gary⦀	Big Sandy		.31		.16	.01	.22	.01	.02	.15	.63	.03	.02		.01	.05		.08	.42	.03	.05	.62	.11	.01	.25	.21	.55			.27	.11		4.33
Hinton⦀	....do		.08		.14	.01	.22			.04	.40	.02	.04	.06	.28				.68	.06	.12	.20	.36		.61	.08	.01			.25	2.36		6.02
Kanawha Falls⦀	Great Kanawha		.13		.10		.35	.05			.95	.10		.10		.35			.05		1.07	.53	.25		.04	.42	.76	.34		.94	1.16		7.69
Kayford⦀	....do		.02		.08	.01	.74	.06	.23	.03	1.05	.05	.15	.01	.05	.25		.06	.02	.02	1.08	.02	.90	.01	.12	.13	.26	.95	.01	1.30	1.16		8.77
Kermit⦀	Big Sandy				.68	.43	.20	.12	.10	.60	.10	.10		.20	.18	.08		.10	.65	.08	.68	.05	.20		.60	.65	.15	.02		2.00	3.60		11.57
Lewisburg	Great Kanawha			.05		.20	.86		T.	.12	.48	.11	T.	.13	.10				.07	.50	.29	.61		.63	.41				T.	.89			5.45
Logan⦀	Guyandotte				.15		.25	.09	.10	.11	1.05	T.	T.			.52		1.51	.40	T.	.30	T.	.56	T.	.30	.16	.15			1.80	2.87		10.32
Marlinton	Great Kanawha	T.	.12	T.	.43	.08	.76	.24		.66		.12	.28	1.46	.12			.14	.12	.48	1.32	.28		.38	.80	.08		.12		.92	.28		9.19
Organ Cave	....do		.45		.60					.90						.20	.15		.10		.35	.25		.30	.35					.85			4.50
Point Pleasant⦀	Ohio		.08		.36	.12	.06	.04	.05	.10	.35		.06		T.	T.				.02	.63	1.00	.15			.10	.30			1.40	.80		5.62
Powellton	Great Kanawha																																......
Ravenswood (Dam 22	Ohio				.26	.19	.05	.04	.10	.15	.30		.19		T.	T.			.30	.15	1.80	.46	.10		.32	.41	.23			1.10	.54		6.69
Robertsburg⦀	Great Kanawha				.31	.07	.17	.09	.04	.05	.42		.12	.15	.10	.20			.05	.02	.49	.40	.26		.12	.33	.25	.04		1.58	.76		6.02
Ryan	....do	T.	.01	T.	.29	.03	.25	.16	.01	1.10		.30		.15	.40				.35	.10	1.71	.58		.08	.91	.22	.01		.24	1.40	.81		9.11
Sharples⦀	Coal River						.63	.10	.20	.10	1.28	.10	.18	.13	.41			1.93	.08		.30	.20	.68		.15	.40	.18			1.83	1.71		10.59
Spencer⦀	Great Kanawha				.21	T.	.16	.20	.10	T.	.70		.12		.35				.27	.73	1.52	.82	.19		.20	.25	.15	T.		1.25	.70		7.92
Sutton	Gauley	.10	.30		.25	.05	.75	.22		.45	.50		T.	.30	.27			.30	.10	.87	.95	.90	.45	.25	1.30	.10	.20	.15		1.75	.70		11.24
Union	....do				.15	.06	.19	T.		.04		1.00	.05	.12	.04						.08	.44	.52	.06		.38				.88	.75		4.76
Wayne⦀	Big Sandy		.38		.29	.12	.40	.04	.04	.20	1.33	.01		.57	.13	.10			.25		.42	.01	1.33		.18	.63	.38		1.86	1.08			9.75
White Sulpr. Spgs⦀	Great Kanawha			.09	.07	.42			.12	.58	.30	.08		.13	.04		.03		.08	.13	.32	.35		.90	.13	.02			.07	.50			4.36
Williamson⦀	Big Sandy				.28	.02	.15	.10	.06	.10	.86	.05	.10	.82	.26	.26		.47	.19	.03	.72	.21	.10		.34	.35	.12	.03		1.30	.78		7.70

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

⦀ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for June, 1928

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	73	73	75	74	77	73	58	70	78	71	66	78	87	84	73	76	78	75	76	80	81	78	77	69	70	72	70	78	73	69	....	74.4
	Minimum	33	54	36	53	61	53	46	42	43	48	41	44	49	56	45	40	39	51	58	59	58	57	66	53	49	46	50	40	58	49	....	49.2
Brandywine	Maximum	74	70	65	65	62	65	64	69	70	75	78	80	87	85	80	82	75	80	85	87	85	84	80	75	76	80	75	74	75	74	....	75.9
	Minimum	34	46	44	42	44	47	42	44	40	45	42	52	55	60	49	48	50	54	55	56	60	62	60	58	57	53	50	48	52	51	....	50.0
Inwood	Maximum	80	83	73	76	85	78	66	75	87	72	63	72	85	86	78	74	79	78	82	82	83	75	71	83	83	80	77	81	82	....	....	78.2
	Minimum	46	64	50	55	57	63	52	48	59	54	50	56	57	62	56	48	51	55	65	64	66	60	63	63	60	59	56	53	65	62	....	57.3
Martinsburg§	Maximum	80	85	77	67	85	81	70	76	88	75	67	79	87	88	80	77	81	83	83	73	82	77	69	85	85	82	80	83	85	....	....	79.7
	Minimum	50	69	53	58	58	62	55	48	60	56	49	54	59	62	55	48	50	55	63	63	63	60	61	63	60	60	59	53	66	65	....	57.9
Moorfield	Maximum	83	84	83	79	90	85	70	78	89	84	77	78	89	87	83	80	82	82	83	88	88	88	88	89	88	87	87	84	82	81	....	83.9
	Minimum	40	62	46	58	63	62	54	49	58	58	48	54	62	61	52	49	49	48	64	59	64	65	63	66	59	56	59	49	64	60	....	56.7
Piedmont	Maximum	71	74	69	62	77	69	60	64	68	77	62	70	80	77	73	70	77	72	77	85	76	79	73	78	76	75	70	75	75	70	....	72.7
	Minimum	43	59	46	48	61	60	53	56	58	50	54	54	61	62	54	46	48	57	66	63	66	62	65	64	64	55	54	50	54	62	....	56.5
Romney	Maximum	78	77	77	85	75	64	76	77	....	....	....	....	88	75	59	....	79	78	83	83	....	67	79	79	78	78	82	79	74	....	....	77.0
	Minimum	43	59	45	58	60	60	55	45	58	....	....	....	....	46	53	45	....	48	64	63	65	....	62	64	59	55	52	50	63	63	....	55.6
Upper Tract	Maximum	75	79	75	76	82	80	78	79	....	85	79	75	....	85	80	78	79	79	83	85	84	84	85	85	85	84	82	81	79	....	....	80.8
	Minimum	36	59	44	44	48	50	54	54	....	49	42	48	....	56	55	46	46	46	48	49	49	56	58	56	57	53	46	45	62	....	....	50.2
Northern Division																																	
Bens Run	Maximum	72	79	67	78	78	74	66	68	74	71	78	83	88	80	82	81	82	70	77	85	81	84	82	76	74	75	76	80	76	79	....	77.2
	Minimum	47	58	48	54	66	56	52	51	61	49	50	59	60	64	49	50	50	55	58	66	68	63	64	63	62	60	59	55	54	63	....	57.1
Buckhannon	Maximum	70	74	70	77	77	70	58	70	78	65	70	78	83	80	76	76	80	76	76	80	76	78	76	75	74	72	69	78	72	70	....	74.1
	Minimum	43	64	49	57	67	58	53	45	60	55	52	59	58	63	58	51	53	63	65	65	66	63	61	65	58	55	55	50	63	65	....	58.0
Cairo	Maximum	66	81	71	79	79	72	65	67	74	72	78	80	91	84	75	83	88	81	79	85	82	87	82	77	76	73	77	80	78	80	....	78.1
	Minimum	39	62	46	55	65	60	53	50	48	49	50	60	58	64	57	48	50	64	66	65	64	62	61	63	60	60	55	51	53	61	....	56.6
Clarksburg §	Maximum	70	77	70	79	80	66	62	73	75	72	76	83	87	77	77	85	89	83	77	89	83	86	86	82	76	75	74	83	76	77	....	78.2
	Minimum	42	54	46	54	60	63	52	49	57	52	51	58	57	64	52	50	52	64	66	63	68	63	59	64	60	55	55	51	63	61	....	56.8
Creston	Maximum	75	81	82	78	81	75	66	71	75	75	78	83	90	85	80	85	87	85	80	85	83	88	85	82	78	74	88	82	74	78	....	80.3
	Minimum	41	62	47	54	64	57	51	49	60	40	50	60	64	63	52	48	52	62	66	63	66	60	60	59	54	57	53	50	63	61	....	56.3
Elkins	Maximum	71	73	72	75	78	67	55	71	78	65	67	78	84	72	71	78	81	76	74	82	78	79	78	78	75	74	69	78	73	70	....	74.0
	Minimum	38	53	44	56	63	51	49	47	55	49	47	55	56	58	52	48	50	62	62	63	64	61	57	60	56	52	52	48	59	58	....	54.2
Fairmont§	Maximum	74	81	74	79	83	70	65	71	72	75	81	89	90	77	80	92	93	81	90	89	85	89	85	79	87	77	80	82	78	81	....	81.0
	Minimum	43	59	46	55	59	63	52	51	56	52	50	57	61	67	54	52	54	64	66	66	67	63	62	65	52	58	56	51	65	61	....	57.6
Glenville	Maximum	74	79	79	81	81	75	63	72	78	71	74	83	89	87	80	85	86	87	82	87	83	87	86	80	77	75	77	83	75	79	....	79.8
	Minimum	42	64	45	54	64	45	52	50	58	49	49	60	58	62	52	48	53	63	65	64	66	61	59	64	59	54	52	52	60	59	....	56.1
Grafton	Maximum	73	80	82	75	86	69	61	70	70	60	75	83	89	86	85	88	85	75	72	69	79	77	75	73	77	78	68	72	68	....	....	75.9
	Minimum	38	55	40	40	63	62	50	45	46	50	47	46	55	60	53	44	48	58	71	62	62	65	56	57	55	51	51	49	62	60	....	53.4
Lost Creek	Maximum	69	69	68	73	72	72	58	62	64	70	72	75	88	83	72	87	80	81	75	86	80	84	93	81	76	75	75	81	75	77	....	75.4
	Minimum	39	56	45	54	65	56	50	49	60	51	49	56	55	65	50	46	47	44	64	63	65	62	58	63	58	54	54	50	63	60	....	55.0
Mannington	Maximum	71	76	72	76	78	72	62	68	74	68	73	80	84	82	74	78	83	77	77	82	79	81	80	78	75	73	72	78	75	76	....	75.8
	Minimum	40	56	44	53	65	58	52	49	59	49	47	57	57	62	51	45	50	61	65	63	66	61	59	64	59	55	56	50	63	61	....	55.9
Morgantown	Maximum	72	78	72	78	78	72	62	71	75	69	77	84	86	86	74	84	87	79	82	85	81	84	83	81	79	76	76	81	76	76	....	78.1
	Minimum	46	57	45	53	66	55	54	51	57	50	49	60	63	63	55	51	57	63	63	63	66	61	66	62	64	58	55	53	62	59	....	57.6
New Cumberland§	Maximum	74	72	68	63	76	67	71	68	74	67	77	82	87	74	72	79	87	74	78	87	83	86	84	80	78	72	77	82	77	....	....	76.4
	Minimum	44	58	42	45	52	56	52	44	57	49	43	47	56	65	53	47	49	59	65	63	64	63	65	60	62	58	61	51	60	63	....	55.1
New Martinsville	Maximum	73	79	69	77	80	77	65	69	74	72	81	88	90	87	78	85	89	82	78	88	84	87	85	79	77	74	80	84	80	85	....	79.9
	Minimum	44	58	46	54	65	60	53	50	59	49	49	57	61	66	55	50	53	64	66	63	67	64	62	63	62	59	58	53	64	62	....	57.9
Parkersburg	Maximum	72	78	66	78	79	69	65	67	74	70	75	80	89	76	74	81	86	81	79	85	82	85	83	78	75	73	75	79	76	78	....	76.9
	Minimum	49	58	51	55	68	54	53	52	59	52	54	62	66	63	58	53	58	65	65	65	68	63	67	64	64	61	60	56	63	63	....	59.6
Parsons	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	75	77	76	87	75	87	81	85	80	79	78	77	77	78	78	79	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	64	65	46	57	61	61	64	60	60	61	60	62	60	60	59	60	....	......
Philippi	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pickens	Maximum	73	74	78	74	78	58	68	72	75	63	70	78	82	68	74	79	83	75	70	80	77	80	75	79	75	73	80	78	71	68	....	74.3
	Minimum	35	48	39	48	50	45	36	43	36	43	42	49	52	53	43	45	47	56	56	52	56	54	57	54	45	46	43	48	55	52	...	47.6
Terra Alta	Maximum	62	67	68	68	69	58	53	62	64	61	61	75	79	78	66	68	68	71	70	74	74	75	75	68	68	70	66	69	69	67	....	68.1
	Minimum	37	54	38	54	58	52	46	48	54	47	42	48	49	58	53	43	45	53	60	61	60	57	58	60	56	54	52	40	59	55	....	51.7
Wellsburg	Maximum	72	72	66	69	76	68	66	68	74	68	79	83	89	86	74	80	87	75	81	86	82	83	80	77	77	70	77	78	77	79	....	76.6
	Minimum	40	52	40	49	59	56	52	46	57	49	40	49	57	62	52	43	47	62	67	60	67	69	60	60	60	55	58	48	62	60	....	54.6
Weston	Maximum	69	75	78	80	81	80	70	75	80	75	78	75	88	80	82	86	88	82	88	89	88	89	85	86	80	78	82	88	79	75	....	81.0
	Minimum	50	51	49	55	69	52	40	41	50	50	55	60	70	68	70	69	54	52	62	70	72	70	70	69	70	60	62	59	50	56	....	59.2
Wheeling§	Maximum	73	79	69	80	75	70	65	69	76	72	83	85	90	75	79	84	80	77	86	91	84	87	85	80	77	73	80	81	78	82	....	78.8
	Minimum	44	50	42	50	55	50	50	48	52	47	43	46	56	64	52	46	49	55	62	61	66	56	51	60	60	55	55	52	53	54	....	52.8
Southern Division																																	
Bluefield	Maximum	70	68	....	75	78	76	62	74	82	....	81	79	83	82	77	76	...	80	84	84	83	82	83	....	79	75	76	77	74	73	....	77.4
	Minimum	44	60	....	50	64	55	47	41	58	....	54	60	62	65	50	52	....	59	68	59	62	62	64	..	58	53	50	51	63	57	....	56.5
Charleston§	Maximum	76	80	82	78	80	78	58	80	80	80	74	82	86	80	80	88	82	84	88	86	88	86	82	80	78	78	74	80	72	76	....	79.8
	Minimum	48	48	51	61	65	62	54	52	54	64	54	57	62	64	57	56	57	64	66	64	65	66	66	64	64	58	55	55	61	63	....	59.2
Gary §	Maximum	71	78	69	81	81	71	59	76	84	72	75	83	87	77	80	81	84	81	87	87	84	84	82	80	76	78	75	82	78	77	....	78.7
	Minimum	44	54	52	59	62	57	52	46	49	58	56	60	60	63	55	55	54	62	66	62	63	63	64	60	60	57	53	52	59	62	....	57.3
Hinton	Maximum	73	82	67	77	84	73	59	76	86	78	66	80	85	80	80	83	79	83	89	89	85	89	82	80	77	82	77	78	77	75	....	79.0
	Minimum	45	48	50	54	60	68	54	48	50	56	56	60	61	63	55	57	56	60	64	62	63	65	63	63	59	56	54	54	56	60	....	57.3
Lewisburg	Maximum	73	77	69	74	79	69	58	70	81	68	64	79	84	76	77	77	80	76	82	80	....	81	77	79	74	76	71	78	74	70	....	74.9
	Minimum	37	61	45	56	53	56	51	42	52	61	51	51	52	59	48	53	52	60	67	59	....	61	60	60	55	52	48	48	61	59	....	54.1
Marlinton	Maximum	72	74	72	76	76	64	52	66	76	74	60	74	78	72	78	74	78	72	78	80	78	82	70	74	72	74	68	72	66	68	....	72.3
	Minimum	34	48	38	50	60	52	48	40	54	48	48	54	56	58	46	48	48	58	60	56	56	60	58	58	52	54	54	48	60	56	....	52.0
Point Pleasant	Maximum	77	80	80	80	80	78	70	70	78	78	78	85	89	90	80	85	88	88	90	90	90	85	85	85	80	78	68	80	85	75	....	81.5
	Minimum	49	62	49	55	60	45	40	48	50	49	50	60	60	60	55	50	52	65	69	70	59	65	65	61	60	52	50	50	62	60	....	56.1
Ravenswood	Maximum	74	80	81	81	77	76	65	69	73	72	74	79	86	84	77	83	84	85	80	83	80	84	83	78	78	71	76	79	76	78	....	78.2
	Minimum	64	65	49	56	65	55	53	48	64	47	52	62	62	66	51	50	53	55	62	64	61	63	67	65	63	60	56	52	64	62	....	58.5
Robertsburg§	Maximum	75	80	70	80	78	66	68	70	76	75	79	85	89	77	79	85	89	85	89	85	85	90	81	80	75	75	77	80	79	77	...	79.3
	Minimum	46	56	51	59	62	58	53	49	58	49	53	58	60	66	53	51	54	59	68	62	65	66	66	67	62	59	55	52	59	63	....	58.0
Ryan	Maximum	75	80	70	75	78	68	60	66	66	70	75	75	85	75	78	80	85	76	80	80	80	84	78	76	80	72	70	70	70	70	...	74.9
	Minimum	40	58	45	55	62	55	50	45	59	59	49	58	57	60	49	47	59	60	60	62	61	60	60	64	58	51	50	58	61	59	....	55.8
Spencer §	Maximum	72	79	70	72	79	65	61	70	75	70	74	80	85	80	79	85	83	85	78	85	80	83	80	75	74	71	73	80	70	80	....	76.6
	Minimum	42	53	51	45	54	59	51	53	55	47	51	54	62	51	52	49	54	66	65	62	65	62	63	65	63	57	53	59	56	60	...	55.7
Sutton	Maximum	70	78	78	79	79	74	65	68	68	73	75	81	91	91	78	82	82	87	87	80	83	85	85	81	81	73	73	74	74	78	....	78.4
	Minimum	42	56	42	53	56	53	50	47	53	50	51	59	58	57	54	53	54	62	61	64	65	64	60	62	57	54	52	53	60	61	....	55.4
Union	Maximum	72	76	....	77	81	79	69	73	84	....	82	77	87	85	82	81	....	82	84	84	82	83	82	....	78	77	78	80	76	71	...	79.4
	Minimum	39	61	....	46	60	58	51	44	57	....	43	56	58	60	48	54	....	53	69	61	61	62	63	....	56	52	49	49	62	60	...	55.1
White Sulphur Spgs§	Maximum	83	71	77	87	73	58	79	78	72	66	75	81	80	85	81	80	65	92	95	96	88	82	81	80	80	76	81	72	74	....	....	79.6
	Minimum	56	43	58	58	58	53	45	51	53	50	57	59	61	51	50	55	58	65	59	62	62	56	62	55	53	50	45	64	59	53	....	55.1
Williamson §	Maximum	75	84	84	79	83	66	66	75	83	75	72	82	86	81	85	86	86	87	91	91	86	90	82	82	75	77	83	82	78	....	....	81.1
	Minimum	55	59	65	64	64	65	53	53	59	64	64	65	67	68	61	61	69	69	71	67	68	67	71	67	67	63	60	61	66	68	....	64.0

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.179	.080	.323	.100	.001	.105	.116	.002	.042	.125	.188	.098	.113	.227	.088	.206	.203	.187	.090	.153	.223	.105	.206	.123	.150	.117	.131	.189	.121	.103	....	4.09
	Wind movement	28	49	79	47	11	46	85	14	23	60	44	26	19	46	31	59	32	30	62	62	54	35	29	39	27	39	53	50	40	76	....	1,29

(WBO, Cleveland, 8-6-28—850)

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

W E

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVI Parkersburg, W. Va., July, 1928 No. 7

GENERAL SUMMARY

July averaged somewhat warmer and drier than usual. While the highest and lowest temperatures were well within previous July records, the month was characterized by long periods with the average temperature near the normal or somewhat above and by a cool period at the close of the month. The rainfall was rather unfavorably distributed, occurring mostly during thunderstorms. The 24 hour amounts exceeded two inches at only five stations and the greatest 24 hour amount recorded was 3.04 inches, at Mannington. The conditions were excellent for rapid growth, and all crops were much improved and generally in good condition at the close of the month; but wet weather greatly retarded cultivation and crops were weedy most of the month.

TEMPERATURE

The monthly mean for the State, determined from 47 stations, was 73.5°. The departure from the normal for 39 stations having ten or more years of record was +0.4°. The temperature was generally somewhat above the normal from the 3d to the 5th, 8th to the 12th, and the 19th to the 23d, with the highest readings occurring generally on the 8th, 19th, and 26th. Moderately cool weather prevailed from the 14th to the 17th, and the temperature was considerably below the normal from the 28th to the close of the month, with the lowest readings ccurring generally on the 30th.

PRECIPITATION

The average precipitation for the State, determined from 87 tations, was 4.23 inches. The departure from the normal for 57 stations having ten or more years of record was — 0.10 nch. The precipitation was generally much the heaviest over the northwestern counties, and was lightest over the southern and extreme eastern counties. Showers occurred in most ocalities on the 4-5th, 9-10th, 12-14th, 20th-23d, and the 27-28th, the greatest amounts being measured on the 10th, 13-14th, and 21st.

LIGHT HAIL

Light hail was noted in sections of Lewis and Ohio counties n the 4th and in Brooke County on the 11th.

MODERATE HAIL

Moderate hail fell in sections of the eastern portion of Berkeley ounty on the 12th. The heaviest hail was noted from Martinsburg to Hedgesville. Practically no damage resulted.

AURORA

A brilliant aurora was observed in the northern part of the tate from 8:20 p. m. to 11:45 p. m. on the 7th, the display eing at the maximum from 10 to 11 p. m. The observer at erra Alta, Mr. J. J. Shanahan, describes the aurora as follows: "Occasional broad beams of luminous white to pale red light xtending from the horizon to the zenith from the east through ne northern sky to the west." The Observer at Piedmont, Ir. C. A. Suter, Jr., reported that the beams of light were red, hite and blue-green in cirrus cloud effects, and that the apex f the display at maximum was 15° southwest of star Vega. le also stated that the radio was dead. The aurora was oserved as far south as Bens Run and Cairo, West Virginia.

MISCELLANEOUS PHENOMENA

Aurora: Bayard, Bens Run, Perry, Piedmont, and Terra Alta, 7th.

Fogs, dense: Arbovale, 2d to the 4th, 6th, 15th to the 19th, 22d, 24th and 25th; Bancroft, 2d, 16th to the 18th, 24th to the 26th, and 29th to the 31st; Elkins, 1st to the 3d, 7th, [illegible] 11th, 15th to the 19th, 25th, 26th, and 30th; Grafton, 2d and 5th; Hinton, 2d, 4th, 11th, 18th, 19th, and 25th; Marlinton, 2d to the 8th, 15th to the 20th, 24th to the 26th, and 28th to the 31st; Pickens, 5th; Rowlesburg, 4th. 15th, 18th, and 24th; Terra Alta, 13th, 22d, 24th, 25th, and 26th; Wellsburg, 1st and 26th; Wheeling, 2d, 17th, 24th, 25th, and 26th.

Thunderstorms (dates and number of stations reporting): 2d, 9; 3d, 1; 4th, 11; 5th, 10; 8th, 5; 9th, 13; 10th, 6; 11th, 9; 12th, 12; 13th, 10; 16th, 1; 19th, 4; 20th, 13; 21st, 13; 22d, 10; 23d, 5; 27th, 3; 28th, 5; 31st, 2.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	[illegible]
Cincinnati, Ohio	30.00	80	57	67	335.9	74	3,174	4.3	33	nw	11
Columbus, Ohio	30.00	79	56	67	307.8	68	4,497	6.0	41	nw	27
Elkins	30.02	90	57	79	251.4	56	2,421	3.3	22	w	[illegible]
Lexington, Ky	30.02	82	65	....	296.2	66	5,973	8.0	28	sw.	[illegible]
Parkersburg	30.03	78	54	66	273.0	60	2,657	3.6	22	nw.	[illegible]
Pittsburgh, Pa	29.99	81	61	68	299.4	65	5,218	7.0	27	w.	[illegible]
Wytheville, Va	30.01	86	60	72	277.0	62	2,694	3.6	19	sw.	[illegible]

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	67.5	......	......	5.59	......	......	......	......	......		....
1892	73.4	98	41	4.20	......	......	......	9	......	......	....
1893	73.8	98	42	2.96	5.95	1.37	......	9	20	10	1
1894	73.3	100	36	2.21	4.84	0.50	......	7	10	19	[illegible]
1895	70.5	99	39	4.35	7.04	1.65	......	9	11	13	[illegible]
1896	73.3	97	46	9.07	15.70	2.91	......	14	9	12	10
1897	74.2	102	46	5.43	9.92	2.85	......	13	11	12	[illegible]
1898	75.0	103	40	4.46	8.33	1.53	......	13	12	7	12
1899	73.3	100	33	3.78	7.92	0.20	......	9	14	10	[illegible]
1900	74.7	104	41	4.38	7.88	1.72	......	13	15	11	[illegible]
1901	77.4	104	47	3.16	6.21	0.69	......	9	14	12	[illegible]
1902	74.2	104	45	3.54	8.42	0.96	......	8	14	12	[illegible]
1903	72.5	100	37	3.74	8.30	1.82	......	10	16	10	[illegible]
1904	71.5	97	42	3.28	6.00	1.04	......	10	14	12	[illegible]
1905	73.3	98	43	5.92	10.64	3.00	......	14	12	11	[illegible]
1906	72.4	98	45	4.54	7.40	1.50	......	12	12	11	[illegible]
1907	72.7	98	42	6.66	13.36	1.99	......	13	12	14	5
1908	74.0	100	41	5.21	9.43	2.08	......	11	14	13	4
1909	70.2	96	36	4.17	10.50	0.60	......	11	14	11	6
1910	73.8	98	41	4.92	13.16	0.54	......	11	13	12	6
1911	73.3	106	40	2.82	6.94	0.40	......	5	16	12	[illegible]
1912	72.0	100	45	7.48	15.22	2.67	......	13	12	12	[illegible]
1913	74.2	103	40	5.80	10.07	2.14	......	12	15	12	4
1914	73.1	106	38	4.11	7.74	0.98	......	7	16	10	[illegible]
1915	71.9	99	38	4.63	11.31	1.82	......	13	12	11	[illegible]
1916	74.8	102	42	3.49	9.47	1.06	......	9	16	8	[illegible]
1917	72.6	104	44	4.83	8.27	1.25	......	12	14	10	[illegible]
1918	70.3	101	38	3.18	6.90	1.04	......	8	17	7	[illegible]
1919	74.3	104	41	5.51	13.08	1.96	......	10	18	7	6
1920	70.1	99	40	4.84	8.94	2.34	......	10	16	8	[illegible]
1921	75.6	101	44	3.58	8.90	1.08	......	9	16	10	5
1922	72.9	99	43	4.53	8.05	1.33	......	11	15	8	[illegible]
1923	71.7	100	37	4.70	9.46	2.22	......	10	16	8	[illegible]
1924	70.0	99	36	4.49	7.63	1.65	......	11	16	9	[illegible]
1925	72.2	102	31	5.05	7.84	1.08	......	11	13	11	[illegible]
1926	72.6	107	37	4.45	8.07	0.83	......	10	15	8	[illegible]
1927	72.3	100	36	5.09	12.40	1.65	......	10	15	9	[illegible]
1928	73.5	102	35	4.22	8.97	1.10	......	11	15	10	6
1891-1928	72.9	107	31	4.59	15.70	0.20	......	10	14	11	6

Climatological Data for July, 1928

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	27	68.2	+ 0.4	92	19	35	30	45	6.85	+1.85	1.43	0	15	14	11	6	sw.	U. G. Clark
Brandywine††	Pendleton	1,586	12	71.8	+ 1.9	96	19	48	1†	39	3.15	−0.48	1.15	0	8	19	3	9	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	39	......	......	......	......	......	......	....	3.51	+0.02	1.19	0	8	......	......	......	......	J. C. Newcomer
Inwood	Berkeley	569	6	75.0[a]	......	95[a]	19	50	30	33[a]	1.18	......	0.51	0	9	20	7	4	sw.	L. E. Dills
Martinsburg	Berkeley	435	36	75.4[a]	+ 0.1	96[a]	20	50	30	34[a]	3.71	−0.11	1.35	0	11	22	9	0	sw.	Dr. H. S. Gardner
Moorefield	Hardy	900	32	76.1	+ 1.9	97	19†	47	30	40	2.56	−0.86	0.63	0	10	31	0	0	......	M. S. Henkel
Perry	Hardy	......	0	......	......	......	......	......	......	....	3.34	......	1.08	0	9	23	6	2	w.	W. R. Paddock
Piedmont	Mineral	1,053	15	72.0	+ 0.2	92	8	51	31	34	3.39	−0.30	1.50	0	10	18	7	6	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	30	74.4[a]	− 0.4	96[a]	19	47	30	41[a]	1.83	−1.43	0.78	0	6	13	9	9	......	George E. Bergdoll
Stony River Dam	Grant	3,300	8	......	......	......	......	......	......	....	2.74	......	0.53	0	13	14	6	11	w.	A. C. Becker
Upper Tract	Pendleton	1,230	29	72.6	+ 0.6	94	19	47	30	38	1.10	−2.58	0.50	0	4	16[h]	0[h]	7[h]	......	J. M. Mallow
Wardensville	Hardy	1,200	11	......	......	96	......	39	16	....	1.77	......	0.61	0	......	......	......	......	......	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	4	......	......	......	......	......	......	....	5.37	......	0.86	0	15	11	18	2	w.	L. Else Bond
Alma (near)	Tyler	......	1	......	......	......	......	......	......	....	4.77	......	1.29	0	11	12	16	3	......	D. N. Furbee
Bens Run	Pleasants	652	26	75.3	+ 0.4	94	19	51	31	37	6.30	+1.75	1.62	0	13	17	10	4	......	J. D. Riggs
Benson	Harrison	1,080	5	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	R. D Marts
Brownsville	Lewis	1,032	5	73.8	......	97	20	47	30	37	6.53	......	1.04	0	19	23	8	0	......	George M. Myers
Bruceton Mills	Preston	1,549	11	......	......	......	......	......	......	....	6.57	+1.27	1.83	0	11	0	28	3	w.	W. M. Wolf
Buckhannon	Upshur	1,411	31	70.6	− 1.4	86	8	48	30	26	5.17	−0.17	1.05	0	13	22	8	1	......	H. A. Darnall
Cairo	Ritchie	680	29	74.7	+ 0.5	95	20	51	30	33	3.12	−1.51	1.22	0	9	19	11	1	......	O. C. Hess
Clarksburg	Harrison	1,015	6	74.3	......	97	8	38	29†	38	3.41	......	0.65	0	11	17	11	3	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	17	......	......	......	......	......	......	....	2.38	......	0.50	0	11	1	29	1	......	G. W. Harmon
Crawford	Lewis	1,107	5	......	......	......	......	......	......	....	5.28	......	1.13	0	15	13	18	0	w.	George W. Blair
Creston	Wirt	640	26	75.6	+ 1.0	95	20†	50	30	37	2.47	−1.55	0.55	0	8	24	0	7	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	7	......	......	......	......	......	......	....	5.48	......	1.17	0	11	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	12	......	......	......	......	......	......	....	7.56	+4.14	1.55	0	13	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	12	......	......	......	......	......	......	....	8.97	+5.12	2.10	0	12	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	7	......	......	......	......	......	......	....	3.99	......	0.80	0	12	......	......	......	......	Lockmaster
Davis	Tucker	3,093	19	......	......	......	......	......	......	....	4.42	−1.14	0.90	0	13	13	2	16	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	16	......	......	......	......	......	......	....	1.65	−2.64	0.56	0	8	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	27	69.4	− 0.9	90	8	46	30	32	4.81	+0.17	1.23	0	16	6	16	9	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	3	......	......	......	......	......	......	....	2.26	......	0.37	0	14	5	18	8	......	Claude A. Cunningham
Fairmont	Marion	883	22	75.8	+ 2.0	98	8	51	30	35	5.06	+0.46	1.12	0	11	14	13	4	w.	J. C. Robinson
Glenville	Gilmer	738	34	75.2	+ 0.3	94	8†	50	30	35	5.55	+0.26	2.08	0	14	19[a]	9[a]	2[a]	w.	Howard R. Brannon
Grafton	Taylor	1,000	35	68.2[a]	− 4.0	90[a]	25	48	30	34[a]	6.18	+1.43	1.19	0	14	18[b]	9[b]	2[b]	w.	T. D. Smith
Horner††	Lewis	1,044	5	......	......	......	......	......	......	....	5.89	......	1.55	0	15	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	3	......	......	......	......	......	......	....	2.85	......	0.90	0	12	16	4	11	sw.	J. W. White
Janelew (near)	Lewis	1,020	5	73.9	......	95	8	47	30	36	5.62	......	1.13	0	14	24	6	1	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	30	72.8	+ 0.6	95	8	48	30	38	3.52	−1.26	0.95	0	11	14	11	6	w.	Allen Smith
Mannington	Marion	985	25	71.3	− 0.7	89	8	50	31	32	6.85	+1.88	3.04	0	15	16	10	5	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	35	74.4[a]	+ 0.9	96[a]	19	52	30	32[a]	3.98	−1.00	0.90	0	13	10	9	12	....	Prof. E. L. Andrews
New Cumberland	Hancock	671	30	73.7[a]	+ 0.9	93[a]	7†	52	29†	32[a]	5.79	+1.66	1.23	0	15	7	14	10	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	34	76.2	+ 0.9	97	8	54	31	35	6.55	+1.75	1.10	0	13	12	14	5	s.	Wm. Ankrom
Parkersburg	Wood	638	41	76.0	+ 0.6	94	20	56	30	31	2.61	−2.05	1.09	0	10	11	12	8	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	28	72.9	+ 2.8	92	8	48	30	34	5.57	+0.45	2.00	0	8	19	7	5	......	J. W. Swisher
Parsons No. 2	Tucker	......	2	......	......	......	......	......	......	...	4.03	−1.09	1.04	0	15	18	10	3	......	Robert T. Deem
Philippi	Barbour	1,550	31	......	......	......	......	......	......	....	5.28	+0.30	1.20	0	11	......	......	......	......	H. F. Brittingham
Pickens	Randolph	2,697	25	67.2	− 1.3	91	8	40	30	37	4.66	−1.71	1.14	0	10	21	8	2	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	5	......	......	......	......	......	......	....	6.64	......	1.45	0	14	20	6	5	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	41	......	......	......	......	......	......	....	6.24	+1.22	1.29	0	14	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	19	......	......	......	......	......	......	....	3.25	−0.83	0.95	0	10	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	27	65.7	− 3.4	86	7†	42	30	38	5.68	+0.12	1.25	0	15	1	18	12	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	5	74.2	......	94	8	50	30	34	4.20	......	1.35	0	14	19	11	1	w.	J. C. Campbell
Vandalia	Lewis	1,120	5	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	Creed H. McCue
Wellsburg	Brooke	668	21	72.4	+ 0.6	93	8	48	31	38	7.44	+3.13	2.03	0	15	17[a]	11[a]	2[a]	w.	George P. Pfister
West Milford	Harrison	979	3	......	......	......	......	......	......	....	3.13	......	0.90	0	7	......	......	......	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	33	76.0	+ 1.7	94	19	48	30	31	5.80	+0.83	1.10	0	13	2	24	5	......	Weston State Hospital
Wheeling	Ohio	645	41	74.4	+ 0.2	96	8	50	29	38	6.88	+2.38	1.25	0	13	12	14	5	ne.	Miss M. B. Forsyth
Woodlands	Marshall	637	1	......	......	......	......	......	......	....	5.09	......	1.35	0	12	9	13	9	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	2	......	......	......	......	......	......	....	5.02	......	1.22	0	14	20	9	2	w.	H. S. Sutton
Bancroft	Putnam	574	24	76.0	+ 1.2	95	25	55	30	33	5.11	+1.07	1.36	0	11	21	0	10	ne.	R. E. Dent
Bluefield	Mercer	2,558	33	72.6[f]	+ 1.1	89[f]	19†	53[f]	2†	31[f]	3.94	−0.53	1.70	0	10	14[e]	8[e]	4[e]	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	13	......	......	......	......	......	......	...	3.77	−1.28	1.20	0	5	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	25	77.8	+ 1.3	97	21	56	30	35	3.04	−1.18	0.80	0	9	18	0	13	......	R O. Fields
Clay	Clay	706	12	......	......	......	......	......	......	....	4.76	+0.57	1.11	0	10	......	......	......	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	2	......	......	......	......	......	......	....	2.69	......	0.85	0	9	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	12	......	......	......	......	......	......	....	3.55	−0.80	1.06	0	9	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	12	......	......	......	......	......	......	....	3.41	−0.38	0.92	0	11	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	1	......	......	......	......	......	......	....	2.79	......	0.80	0	11	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	12	......	......	......	......	......	......	....	2.35	......	0.93	0	11	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	12	74.0[a]	......	91[a]	11	56[a]	30	31[b]	2.66	−1.62	0.57	0	11	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	31	75.0	+ 0.9	96	21	58	1†	31	4.07	+0.12	0.92	0	13	16	7	8	......	Mrs. M. L. McClung
Kanawha Falls	Fayette	618	9	......	......	......	......	......	......	....	4.17	......	0.91	0	9	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	12	......	......	......	......	......	......	....	5.26	+0.54	1.38	0	14	......	......	......	......	Cabin Creek Con. Coal Co
Kermit	Mingo	579	2	......	......	......	......	......	......	....	4.22	......	0.90	0	10	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	28	70.4	− 0.6	88	21	51	29	31	4.11	+0.03	1.54	0	14	21	8	2	nw.	Geo. T. Argabrite
Logan	Logan	700	25	......	......	......	......	......	......	....	5.90	0	1.98	0	8	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	29	67.4	− 0.2	86	19	44	30	30	5.19	−0.12	1.86	0	14	1	30	0	sw.	S. L. Brown
Organ Cave	Greenbrier	......	2	......	......	......	......	......	......	....	2.56	......	0.60	0	10	3	26	2	w.	J. J. Hedrick
Point Pleasant	Mason	595	35	78.6	+ 2.2	102	22	50	30	39	2.85	−1.16	0.88	0	10	20	1	10	w.	Miss Grace E. Henson
Powellton	Fayette	904	34	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	5	75.4	......	93	18†	50	30	38	2.13	......	0.55	0	8	17	0	14	se.	Lockmaster
Robertsburg	Putnam	570	28	75.7	+ 0.3	95	19	51	30	35	2.12	−1.62	0.55	0	7	21	0	10	......	M. Frazier
Ryan	Roane	700	25	71.6	− 1.7	90	19†	47	30	37	3.57	−0.99	1.30	0	16	12	9	10	......	Wm. E. Ryan
Sharples	Logan	......	8	......	......	......	......	......	......	....	3.98	......	1.53	0	7	......	......	......	......	R. W. Howard
Spencer	Roane	789	21	72.9	− 0.7	90	18†	49	29†	34	1.90	−2.39	0.81	0	6	13	17	1	......	A. M. McKown
Sutton	Braxton	850	22	74.8	− 1.7	95	11†	51	30	34	4.75	−0.42	1.10	0	12	19	0	12	......	C. B. Eakle
Union [c]	Monroe	2,250	24	73.4	+ 2.4	91	19†	51	16	34	1.93	−2.69	0.56	0	9	5	15	6	......	W. M. H. Young
Wayne	Wayne	598	1	......	......	......	......	......	......	....	2.63	......	0.57	0	9	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	18	72.8[a]	+ 1.9	92[a]	21	52	28†	33[a]	3.40	−1.65	1.47	0	12	24	7	0	......	H. E. Green
Williamson	Mingo	673	28	72.6[a]	+ 4.3	96[a]	19†	64	1†	26[a]	3.26	−1.00	1.40	0	8	19	0	12	sw.	A. J. Maynard
State averages and	extremes	......	......	73.5	+ 0.4	102	22	35	30	45	4.23	−0.10	3.04	0	11	15	10	6	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for July, 1928

Stations	Drainage-basin	Day of month																															[illegible]
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac	.19	T		.62	.14	.12				1.43	.33	1.06	[illegible]	1.16	.17	T.				.36	.17	.11	T				T	[illegible]	.12			[illegible]
Brandywine	do		.20							T	.25	1.15	.05	T.	[illegible]								.10	.25				.60					[illegible]
Harpers Ferry ‖	do					1.19	T.				T	[illegible]	.17	T	.11						T	.01	.15	.36				1.10					[illegible]
Inwood	do					.09	.04					.11	.05	.15	.17							.02		.01					.51				1.15
Martinsburg ‖	do					.12					.04	.16	.63	1.35	.15			.20			T.	.15	.12	.15					.35				3.71
Moorefield	do		.22		.12						.42		.63	.10	.51							.16		.08			.25	.04					2.56
Perry	do		.08		.01						1.04	.13	.12		.85							.02		.01				1.08					3.34
Piedmont	do		.05		.06	.01				.09			1.50	.90							.23		.06					.12	.07				3.09
Romney	do										.78			.10	.55		.20							.10				.10					1.83
Stony River Dam	do	.07		.05		.21	.10				.10		.38	.05	.30						.53	.22		.21				.02	.47				2.71
Upper Tract	do		.50							T.	T.		T.									.20		T.				.30				.10	1.10
Wardensville‖	do			T.		.07						.08		.61	.40			*	*	*	*	*	*	*	*	*	*	*	*	*	*	.61	1.77
Northern Division																																	
Aberdeen	Monongahela		.18	.18	.44	.04	.10			.10	.47	T.	.52	.73	.30						T.	.73	.08	.51				.10	.86				5.37
Alma (near)	Ohio				.16	.18				.18				.87	.05						.05	1.00	1.29	.02				.15	.52				4.77
Bens Run	do		.33		.01	.11				.37		.05	1.62	.37	.01						.22	1.06	.15					.50	1.50				6.30
Benson	Monongahela																																
Brownsville	do		.14	.34	.39	.18	.08		.40	.29	.29		.28	.90	.44	.40					.07	1.04	.07	.32	.04			.14	.72				6.53
Bruceton Mills	do		T.		1.06	.42				.72		.66	.05	.90	.02						1.83	T.	.40	T.				.14	.37				6.57
Buckhannon	do		.40		.05	T.			T.	.42	.13		.30	.23	.25						.20	.75	.60	.23				.56	1.05				5.17
Cairo	Little Kanawha				.08	.20				.12	.08		T.	.50	T.						1.22	T.	.12	T.				.12	.68				3.12
Clarksburg ‖	Monongahela			.02		.12	.58				.26				.65						.26	.58	.35	.16				.06	.37				3.41
Cortland ‖	do				.25		.10	.15	.10	.20		.15	.35	.50							.33							.10	.15				2.38
Crawford	Little Kanawha		.90		.15	.03	.03		.35	.02	.01			.78	.14						.01	1.13	.67	.18				.21	.67				5.28
Creston ‖	Monongahela					.25	.27				.20				.55						.22	.47		.10					.41				2.47
Dam 10, Mon. R.‖	Ohio			.11	.12	.26					1.17		.83		.40						.10	.72	.26	.86					.65				5.48
Dam 12, O. R.‖	do			.11		.80				.09	.38		.68	.50	1.19	.02					1.55	.61	.65	.09				T.	.89				7.56
Dam 13, O. R.‖	Monongahela					.70				.32	.21		1.25	2.10	1.20						.95	.78	.08	.42				.01	.95				8.97
Dam 15, Mon. R.‖	do			.07		.12	.36				.20		.80		.23						.07	.56	.11	.77				.04	.66				3.99
Davis ‖	do	.20			.65	.10					.35		.22	.05	.90	.05					.35	.55	T.	.45	.15				.40				4.42
Elizabeth (D'm 3 L K)	Little Kanawha					.30				.05	.56				.13						.07	.37		.05					.12				1.65
Elkins***	Monongahela		T.		.07	.12	.05		.19	.73	.08	.65	.02	1.18	.65						.73	.02	.20	.17				.30	.25			T	4.81
Evenwood	do		.06		.12		.09	.29	.14	.03	T.		.10	.30	.15					.22	T.		.19	.11				.37	.09			T.	2.26
Fairmont ‖	do			.28		.13	.69				.32		1.12		.28						T.	.55	.06	.71				.07	.85				5.06
Glenville ‖	Little Kanawha			.22		.64	.05			.20	.06			.11	.66	.14					.24	2.08	.06	.70				.08	.31				5.55
Grafton‖	Monongahela		.07		.34	.11	.80				1.19	.10	.73	.03	.99					.43		.90	.18				.09	.22					6.18
Horner	do		.50		.35	.15	.05		.38	.26		.13		1.55	.22							.25	.28		.32			.35	.50	.60			5.89
Horton	do		.08		.09	.05				.04			.23	.04	.60						T.	.45	.14	.04				.90	.19				2.85
Janelew (near)	do		.20	.75	.12	.10	.12				.60		.15	.70	.45							.85	.10	.35				.08	1.05				5.62
Lost Creek	do		.14		T.	T.	.32				.33	T.	.42	.38	T.						.05	.95	.44	.09				.16	.24				3.52
Mannington	do		.41		.54	.09				.17	.04	.69	.40	3.00	.04						.02	.49	.25	.07				.10	.54				6.85
Morgantown	do		.10		T.	.30	T.			.06	.57	.04	.31	.25	.07					.05		.56	.90					.10	.70				3.98
New Cumberland‖	Ohio	.03		.28		1.10	.50		.03		.36	.03	.42		1.23	.03					.38	1.09	.04					.10	.17				5.79
New Martinsville	do		.15			.20				.50		.95	.35	.60	.35					.10	.30	1.10	.55					.30	1.10				6.55
Parkersburg* **	do		.01			.18			.12	.97		T.	T.	.31	.01					T.	.47	.01	.03	T.				.50					2.61
Parsons	Monongahela		.49		.23					T.		T.	T.	2.00	.28					T.	T.		1.78	.30				.27	.22				5.57
Parsons No. 2	do	.04		.05		.06	.01				.14		.40	1.01	.62	.01					.17	.38	.02	.54				.02	.56				4.03
Philippi	do			.28		.25					1.20		.99		.78						.07	.40	.05	.70				.06	.50				5.28
Pickens	do				.11	.14					.33	.34		T.	T.							1.14	.88	.50				.62	.20			.40	4.66
Roanoke	do			.04	.30	.01			.10		.10		.07	1.37	1.40						.04	1.45	.07	.56				.16	.97				6.64
Rowlesburg ‖	do	.19		.02		.48					.73	.04	.80	.08	1.29						.40	.33	.09	1.29					.47	.03			6.24
Saint Marys ‖	Ohio					.17	.15			.02	.30			.01	.27	T.					.07	.87	T.	.47				T	.95				3.28
Smithfield‖	Fishing Creek																																
Terra Alta	Monongahela		.01		.22	.13	.46			.06	.56		1.25	.92	.21						.06	.58	.36	.40				.28	.18				5.68
Valley Chapel	do		.10		.05	.10	.34				.65		.08	.09	.24						.05	1.35	.03	.17				.15	.80				4.20
Vandalia	do																											.65	.96				‡‡‡
Wellsburg	Ohio		.30		.09	.92				.20	.05	1.45	.16	2.03		.21				.58	.59		.32				.15	.33	.06				7.44
West Milford	Monongahela					.20							.50		.42				.26	.90			.35						.50				3.13
Weston	do			.05		.50	.10			.40	1.00		.20		1.10						.05	.90	.30	.10				.05	1.05				5.80
Wheeling‖	Ohio			.02		1.25				.10	.42		.90	.60	1.25	.10					.71	.61	.28	.12				T.	.52				6.88
Woodlands ‖	do			.01		.20					.30		1.02		1.35	.02					.51	.32	.16	.34		.01			.85				5.09
Southern Division																																	
Arbovale	Great Kanawha		.21							.35	.79	.69		.89	.07						.11	.23	.15	.12	.02			1.22	.12			.05	5.02
Bancroft ‖	do			.47		.10	1.32			.05	.24		.05		.65							1.36	.10	.72				.05					5.11
Bluefield	do					.17					.31		.18	1.70	.17							.06		.26				.15	.04			.90	3.94
Camden-on-Gauley‖	do								1.20							.20	.88				1.05		.44										3.77
Charleston ‖	do					.06	.48			.24	.06				.72						.08	.80		.52				.08					3.04
Clay‖	do					.97	.02			.02					1.11						.67	.49		.31	.09			.50	.58				4.76
Dam 6 G. K.‖	do						.51			.08					.55						.07	.85		.47			.04	.06	.06				2.69
Dam 19 O. R. ‖	Ohio			.02		.24				.20	.87		T.	T.	.50	T.					.17	.48	.01					T.	1.06				3.55
Dam 20 O. R. ‖	do					.35					.92		.06	.02	.48						.02	.34	.04	.84				.02	.32				3.41
Dam 25 O. R. ‖	do			.09		T.					.60		.10	.14	.80							.19	.29	.38				.11	.05	.04			2.79
Dam 26 O. R. ‖	do			.14		.03				.06	.25				.10	.93	.03					.56		.14				.05	.06				2.35
Gary‖	Big Sandy					.43	.10			.47	.57	.01	.11		.02							.35		.13	.02				.45				2.66
Hinton ‖	do	.01		.61		.03					.80	.13	.03	.20	.30					.40		.42	.16		.06				.92				4.07
Kanawha Falls‖	Great Kanawha			.07		.45	.12			.90	.91				.48							.84		.25					.15				4.17
Kayford‖	do	.03		T.		.33	.02			.32	.08	T.	.01		1.38						.07	.91		.53	.22			1.12	.23	.01			5.26
Kermit ‖	Big Sandy	.02			.25				.65	.25				.90					.40		.25	.45	.60				.45						4.22
Lewisburg	Great Kanawha		.07						.01	.07	1.54	.27	.07	.70	.06			.21	.31			.03		.22				.41				.14	4.11
Logan ‖	Guyandotte					.35				.28	1.05		T.		1.05							1.98	.56	.33				T.	.30				5.90
Marlinton	Great Kanawha		.42		.14	T.			T.	.20	.68	.56	.08	1.86	.12							.26		.28	.11			.22	.12			.14	5.19
Organ Cave	do		.60	.20						.30			.15		.10			.30						.45			.18	.18	.10				2.56
Point Pleasant ‖	Ohio			.06		.20				.03	.48			.06	.88							.50		.50				.06	.08				2.85
Powellton	Great Kanawha																																
Ravenswood (Dam 22	Ohio						.18				.32			.08	.55						.22	.36		.20					.22				2.13
Robertsburg ‖	Great Kanawha			.55		.08					.27				.45							.55		.12				.10					2.12
Ryan	do				.13	.15	.04		.02	.08	.01		.01	1.30	.11					.07	.11	.80	.38	.15				.19				.02	3.57
Sharples‖	Coal River	T.	T.			.35				.10	.10				1.10				T.			1.53	.43	.37				T.					3.98
Spencer ‖	Great Kanawha					.07	.20			T.	T.				.81							.63	.03	.16				T.					1.90
Sutton	Gauley			.10		.30			.20	.40				1.10	.15						.20	.90	.20	.85				.25	.10				4.75
Union	do		.32	T.						.12	.56			T.	.25				.04					.25				.25	.05			.09	1.93
Wayne‖	Big Sandy									.15	.42		.15		.57					.08		.25		.46				.28	.27				2.63
White Sulpr. Spgs ‖	Great Kanawha		.46						.06	1.47	.08			.13				.13			.03		.12	.06			.05	.73				.08	3.40
Williamson ‖	Big Sandy									.32	.12				1.40					.03		.05	.03	.84					.47				3.26

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ‡‡‡ Probably incomplete

Daily Temperatures for July, 1928

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	76	74	88	89	88	78	86	91	89	83	87	83	78	78	78	84	89	90	92	87	87	89	81	81	82	88	85	76	71	76	82	83.4
	Minimum	49	45	46	51	59	57	46	51	55	56	51	55	54	56	51	70	47	51	49	64	62	61	65	54	47	43	56	57	60	35	41	53.0
Brandywine	Maximum	75	78	85	92	89	88	90	92	88	91	90	88	85	80	85	87	90	90	96	92	90	91	85	87	89	91	85	84	82	80	81	87.0
	Minimum	48	50	52	57	50	53	55	59	60	59	61	58	59	60	50	59	55	57	68	65	64	65	63	57	60	55	57	54	50	45	50	56.7
Inwood	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Martinsburg§	Maximum	84	89	89	94	84	88	88	95	93	83	91	85	85	81	85	88	91	92	95	96	88	95	91	85	89	90	80	87	79	81	....	88.0
	Minimum	62	56	60	60	67	60	59	63	68	72	67	63	66	69	58	57	61	61	62	64	70	71	72	64	62	64	67	67	57	50	52	62.9
Moorfield	Maximum	85	86	93	95	87	88	93	96	96	89	96	94	90	89	88	90	92	94	97	97	95	97	91	89	91	94	90	88	81	84	91	91.2
	Minimum	59	55	56	62	65	60	56	63	66	59	60	62	66	68	53	55	59	60	60	70	67	70	70	61	57	58	65	65	65	47	51	61.0
Piedmont	Maximum	77	75	84	86	78	79	88	92	88	85	90	86	81	73	82	84	86	83	90	88	89	88	84	82	85	87	82	76	73	76	83	83.2
	Minimum	55	55	56	64	65	60	54	64	64	67	60	64	65	65	55	56	57	58	59	70	65	69	70	60	58	59	65	62	53	60	51	60.8
Romney	Maximum	81	89	89	80	75	88	95	95	92	94	83	88	82	85	85	89	90	92	96	94	92	94	90	88	91	93	80	84	78	88	....	88.0
	Minimum	56	56	56	63	65	61	55	62	66	68	68	62	65	66	53	55	57	59	60	71	66	71	70	60	57	60	65	64	54	47	50	60.9
Upper Tract	Maximum	80	80	80	85	88	87	90	92	89	88	88	87	87	87	86	85	88	89	94	92	92	90	89	89	90	90	89	83	81	83	82	87.1
	Minimum	54	52	53	55	54	60	53	59	60	58	57	60	52	49	49	51	55	59	57	59	60	67	68	67	68	68	70	59	53	47	66	58.0
Northern Division																																	
Bens Run	Maximum	84	85	89	89	83	84	87	92	89	87	91	85	78	77	78	87	88	90	94	93	90	88	86	86	89	90	84	80	86	80	88	86.4
	Minimum	54	62	63	68	68	63	64	64	70	69	66	65	66	62	63	64	61	64	67	63	69	71	71	66	64	67	66	65	57	57	51	64.2
Buckhannon	Maximum	76	79	81	81	76	79	82	86	83	81	84	80	82	78	77	79	82	82	84	85	83	84	80	78	80	82	78	75	71	74	80	80.1
	Minimum	55	57	57	64	66	59	65	63	65	61	61	64	62	57	54	60	57	59	67	67	68	70	65	63	58	58	64	65	59	48	54	61.0
Cairo	Maximum	83	85	91	88	85	86	91	94	87	88	92	86	81	78	84	87	88	91	92	95	91	89	88	86	88	89	85	78	77	81	87	86.8
	Minimum	57	60	60	65	67	62	59	62	69	68	64	64	65	63	55	58	58	58	65	73	68	68	72	61	60	63	68	69	55	51	55	62.6
Clarksburg §	Maximum	82	85	90	86	79	84	92	97	93	89	92	87	92	75	80	88	92	90	93	92	91	90	85	84	88	92	84	77	78	79	89	86.9
	Minimum	56	57	58	64	67	62	61	62	66	68	61	62	62	64	56	56	58	58	62	71	66	68	71	65	62	61	67	65	55	51	51	61.7
Creston	Maximum	84	88	91	92	85	86	92	93	91	90	92	90	87	79	85	90	92	93	94	95	92	89	89	89	93	95	95	86	82	85	89	89.5
	Minimum	56	57	60	63	66	63	60	62	68	68	62	64	65	61	55	58	57	56	63	69	66	70	70	61	60	62	67	65	53	50	58	61.8
Elkins	Maximum	76	78	85	81	74	78	85	90	84	82	87	82	84	67	75	81	83	83	86	86	86	84	79	78	80	84	77	75	69	76	82	80.5
	Minimum	54	54	54	60	64	61	56	60	62	64	59	60	60	55	51	54	56	57	60	67	65	68	64	61	56	56	64	60	51	46	50	58.4
Fairmont§	Maximum	85	88	92	89	84	87	92	98	91	91	94	87	87	79	86	91	92	94	96	97	95	91	88	88	91	92	85	79	79	83	81	88.8
	Minimum	55	60	57	66	68	62	59	63	68	67	64	63	63	64	57	58	59	60	65	72	69	70	72	65	62	63	68	64	56	51	53	62.7
Glenville	Maximum	85	85	89	90	85	86	92	94	94	89	93	92	86	77	83	88	93	93	94	94	93	92	92	88	89	91	91	86	77	84	89	88.8
	Minimum	56	58	60	63	64	63	61	63	67	67	62	62	64	62	55	58	59	58	64	68	65	67	70	63	61	62	67	65	55	50	54	61.7
Grafton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lost Creek	Maximum	83	83	90	85	80	85	91	95	91	86	90	86	84	75	80	81	84	91	91	93	90	89	85	87	88	82	80	80	78	81	88	85.5
	Minimum	54	56	55	63	65	61	59	60	65	65	60	61	60	62	55	55	58	65	62	71	65	68	64	62	59	58	59	64	54	48	50	60 2
Mannington	Maximum	80	83	85	84	79	81	85	89	86	84	87	80	82	71	77	81	84	84	88	88	85	85	83	80	83	84	79	76	73	76	82	82.1
	Minimum	54	57	58	63	66	61	57	61	65	66	61	62	61	63	54	55	57	56	62	68	68	68	71	60	59	61	65	63	54	51	50	60.5
Morgantown	Maximum	82	85	85	89	83	84	90	96	95	88	90	84	86	74	81	87	88	89	96	92	90	....	85	85	86	89	87	83	76	80	86	96 4
	Minimum	55	59	60	69	67	61	58	64	68	66	65	62	62	62	59	59	59	60	64	72	68	69	70	61	58	62	66	62	55	52	59	62.4
New Cumberland§	Maximum	85	84	87	91	82	90	93	93	90	88	91	84	73	75	82	86	90	91	90	90	87	88	84	83	87	90	85	75	77	80	....	85.7
	Minimum	55	57	60	68	67	59	61	62	61	68	64	65	67	51	62	58	59	61	67	70	68	66	68	62	60	60	65	64	52	52	52	61.7
New Martinsville	Maximum	87	88	91	92	86	86	92	97	92	92	93	89	81	77	85	89	91	91	94	95	92	87	88	90	90	92	89	77	80	84	89	88.6
	Minimum	58	61	62	67	68	63	62	64	69	69	65	64	65	63	58	59	61	61	66	70	68	68	71	65	64	65	68	64	56	56	54	63.7
Parkersburg	Maximum	84	86	89	88	84	83	89	91	86	88	91	84	80	76	82	87	88	91	92	94	90	92	86	84	88	90	85	76	76	78	87	86.0
	Minimum	61	65	65	72	69	66	64	69	70	71	70	69	68	64	63	61	61	60	70	70	71	73	72	66	63	64	69	65	59	56	57	65.9
Parsons	Maximum	85	82	86	84	85	86	85	92	83	84	88	80	85	70	85	85	83	85	87	87	81	85	86	87	83	85	79	77	76	82	84	83.7
	Minimum	62	63	65	63	64	63	65	62	64	66	65	66	57	56	54	53	57	65	70	70	64	70	65	66	60	66	62	58	50	48	65	62.1
Philippi	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pickens	Maximum	77	81	84	84	73	78	85	91	81	83	85	84	83	69	78	81	85	85	87	83	86	83	79	80	82	86	74	76	74	77	82	81.2
	Minimum	50	49	49	55	57	56	51	56	55	57	53	54	55	50	46	48	50	53	57	62	56	62	60	54	50	50	58	56	50	40	49	53.2
Terra Alta	Maximum	73	73	79	81	76	70	86	86	83	76	76	70	68	67	72	76	78	78	81	81	79	79	75	75	77	79	79	71	67	74	76	76.2
	Minimum	51	50	53	64	62	59	48	54	56	63	54	58	55	53	54	49	48	52	54	68	64	63	66	55	51	52	59	59	51	42	44	55.2
Wellsburg	Maximum	85	84	88	90	82	83	89	93	89	87	90	80	72	75	81	85	88	89	86	91	85	88	85	83	86	87	84	76	77	79	86	84.6
	Minimum	53	55	57	64	68	59	55	59	68	66	61	63	61	60	59	56	56	58	62	68	69	67	68	60	56	60	66	62	52	52	48	60.3
Weston	Maximum	78	85	86	89	86	90	87	91	90	89	88	92	90	88	72	85	91	92	94	93	89	91	85	86	88	89	88	85	80	79	84	87.1
	Minimum	58	60	62	60	65	68	70	70	68	72	68	70	69	60	62	65	70	73	71	72	68	70	69	68	66	60	64	60	49	48	54	64.8
Wheeling§	Maximum	87	87	91	91	84	86	93	96	93	91	92	84	76	78	85	92	93	93	94	95	92	88	92	89	92	93	82	79	81	84	89	88.5
	Minimum	55	57	56	63	65	56	56	60	67	66	62	62	63	60	59	57	59	62	62	69	65	65	68	60	60	60	62	61	50	52	51	60.3
Southern Division																																	
Bluefield	Maximum	....	81	86	....	86	81	86	....	86	83	87	83	83	71	....	82	85	86	89	88	87	....	81	84	73	89	87	80	....	76	82	83.7
	Minimum	....	53	55	....	60	65	60	....	67	64	58	62	64	62	....	53	59	67	63	70	64	....	65	60	59	58	66	66	....	54	63	61.5
Charleston§	Maximum	82	84	90	86	86	90	90	96	94	94	92	90	86	80	80	90	92	95	96	94	97	95	90	88	94	96	90	94	90	89	94	90.5
	Minimum	59	61	63	65	65	66	64	68	69	70	65	68	67	64	58	60	63	62	67	70	70	70	71	67	64	66	69	71	58	56	59	65.0
Gary §	Maximum	80	83	88	89	79	83	90	90	85	85	91	87	88	....	80	84	87	89	90	87	90	90	84	85	85	89	81	83	78	81	85	85.5
	Minimum	57	58	59	61	63	67	60	64	67	66	60	63	64	66	....	57	60	62	65	69	67	69	67	64	63	59	62	66	60	56	58	62.6
Hinton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lewisburg	Maximum	77	80	83	85	78	79	85	87	84	81	86	83	82	71	77	82	84	86	87	84	88	87	80	80	83	86	78	78	74	78	81	81.7
	Minimum	56	52	56	57	62	61	55	60	63	64	56	61	61	63	53	55	57	60	63	65	63	65	65	59	56	55	66	64	51	54	56	59.2
Marlinton	Maximum	76	78	80	82	76	80	82	84	80	80	80	78	76	70	74	76	80	82	86	84	80	84	78	80	80	82	74	74	70	74	78	78.6
	Minimum	50	52	52	60	60	56	54	58	60	62	54	56	60	56	48	50	52	54	58	62	62	66	64	58	54	54	62	58	50	44	52	56.1
Point Pleasant	Maximum	85	85	90	90	90	90	95	96	97	97	95	95	95	92	88	90	95	95	94	100	100	102	100	99	90	90	90	80	88	85	90	92.5
	Minimum	56	59	60	70	71	62	63	65	65	69	65	70	68	59	58	60	67	60	66	70	75	80	79	60	60	70	70	60	55	50	60	64.6
Ravenswood	Maximum	83	85	88	88	84	86	91	92	92	88	90	86	86	78	83	88	88	93	93	92	90	91	87	86	89	90	90	85	78	88	88	87.6
	Minimum	57	60	63	68	69	63	60	65	67	70	67	65	68	63	57	58	58	58	58	71	69	72	72	63	60	62	68	67	52	50	55	63.1
Robertsburg§	Maximum	83	84	90	86	83	88	92	94	92	90	90	88	79	78	87	92	91	92	95	92	91	92	89	86	88	91	88	78	75	82	90	87.6
	Minimum	58	59	63	68	67	63	61	65	68	70	66	69	68	63	58	58	60	60	65	72	67	70	72	65	62	62	67	68	58	51	55	63.8
Ryan	Maximum	80	85	86	85	80	85	80	88	85	87	88	85	80	75	75	85	88	89	90	90	88	75	87	87	87	87	86	78	70	80	85	83.7
	Minimum	54	56	58	61	64	61	59	61	61	66	60	61	62	61	52	55	55	61	62	68	64	66	67	60	58	60	66	60	52	47	48	59.5
Spencer §	Maximum	80	83	87	87	88	82	86	89	84	86	89	84	83	74	82	84	86	90	89	90	88	89	85	83	86	88	78	74	72	78	89	84.3
	Minimum	55	56	61	67	67	62	60	64	69	68	63	66	68	61	55	60	58	56	63	70	65	68	69	62	60	61	63	53	49	49	59	61.5
Sutton	Maximum	78	83	92	92	80	84	91	94	94	89	95	95	89	78	80	88	89	92	93	93	92	92	90	85	87	88	88	87	78	80	88	87.9
	Minimum	57	57	58	62	63	64	61	63	66	68	61	62	63	62	55	57	56	60	68	70	68	69	63	64	62	60	67	67	55	51	55	61.7
Union	Maximum	....	84	85	89	85	86	87	....	87	84	90	86	87	86	....	84	88	89	91	91	90	....	91	85	89	84	81	83	....	81	81	86.3
	Minimum	....	52	56	57	62	60	59	....	61	65	56	63	62	64	....	51	59	60	61	66	65	....	64	60	57	65	66	64	....	61	57	60.5
White Sulphur Spgs§	Maximum	83	88	90	84	85	86	89	85	85	90	88	85	77	81	87	88	91	91	90	91	92	86	87	88	88	80	84	81	80	81	....	85.0
	Minimum	54	56	58	61	60	57	58	61	65	59	62	62	64	53	54	59	63	64	65	64	66	67	60	56	56	63	64	52	52	54	60	59.6
Williamson§	Maximum	84	89	94	88	87	89	93	94	84	92	95	92	92	89	87	89	92	94	96	94	94	96	89	89	90	93	84	86	85	85	....	90.2
	Minimum	64	64	68	75	69	70	69	72	72	72	71	70	74	67	65	64	68	68	73	74	73	73	74	70	69	69	70	73	64	64	65	69.5

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.166	.197	.166	.224	.184	.139	.198	.202	.256	.196	.245	.265	.134	.126	.134	.255	.211	.211	.234	.227	.272	.268	.184	.240	.222	.231	.215	.053	.213	.197	.181	6.246
	Wind movement	51	32	28	31	46	57	32	20	37	27	41	46	32	58	58	54	26	22	33	49	57	37	46	46	35	34	27	31	76	40	35	1,244

(WBO, Cleveland, 8-24-28—850)

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXVI PARKERSBURG, W. VA., AUGUST, 1928 No. 8

GENERAL SUMMARY

The temperature and rainfall for August averaged considerably above the normal. The first ten days were especially warm and there were but four or five cool days during the month. The rainfall was well distributed throughout the month and over the State, although 24-hour amounts exceeding two inches were noted at five or six stations. There was abundant sunshine. Practically no damage resulted from hail storms. The month was exceptionally favorable for the growth and ripening of crops. At the close of the month corn was in good to excellent condition and a large crop of potatoes was being dug. The month, however, was rather unfavorable for cultivation, owing to frequent rains.

TEMPERATURE

The monthly mean for the State, determined from 46 stations, was 74.0°. The departure from the normal for 36 stations having ten or more years of record was +2.2°. The temperature was considerably above the normal for the first decade and somewhat above on the 14-15th, and from the 24th to the 30th, inclusive, with the highest temperature occurring generally on the 3d, 8th, and 9th. The temperature was slightly below the normal on the 12-13th, 22-23d, and 31st, with the lowest readings occurring generally on the 12th, 13th, and 23d.

PRECIPITATION

The average precipitation for the State, determined from 85 stations, was 5.36 inches. The departure from the normal for 56 stations having ten or more years of record was + 1.41 inches. The precipitation was generally the heaviest over the central, north-central, and eastern counties, and lightest over the western and northwestern counties. The greater part of the precipitation occurred from the 1st to the 11th, and on the 16-18th, 24-26th and 30th, with the greatest amounts being noted on the 1st-2d, 16th, and 24th.

MODERATE HAIL

Moderate hail fell in sections of Wirt County on the 5th and 21st, and in sections of Harrison County on the 21st.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 4th, 5th, 7th, 8th, 19th, 20th, 28th, and 29th; Bancroft, 2d, 8th, 9th, 13th, 15th, 20th, 23d, 28th, and 29th; Bayard, 25th; Elkins, 9th, 15th, 21st, 23d, 27th, and 28th; Fairmont, 9th and 19th; Grafton, 1st, 2d, 8th, and 9th; Hinton, 1st, 3d, 6th, 8th, 9th, 20th, 21st, 23d, 28th, 29th, and 30th; Marlinton, 3d, 4th, 7th, 9th, 22d, 23d, 28th, 29th, and 30th; Parkersburg, 8th and 9th; Pickens, 12th and 26th; Pt. Pleasant, 8th, 9th, and 20th; Rowlesburg, 17th, 20th, 24th, and 29th; St. Marys, 9th, 19th, and 23d; Terra Alta, 8th, 9th, 15th, 18th, 20th, 23d, and 25th; Wellsburg, 1st and 14th; Wheeling, 9th, 14th, 15th, and 26th.

Thunderstorms (dates and number of stations reporting): 1st, 11; 2d, 6; 3d, 7; 4th, 9; 5th, 7; 6th, 13; 7th, 1; 8th, 6; 9th, 3; 10th, 5; 11th, 3; 14th, 1; 15th, 6; 16th, 3; 17th, 3; 18th, 2; 21st, 8; 22d, 9; 24th, 9; 25th, 1; 26th, 1; 27th, 4; 29th, 1; 30th, 5; 31st, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.03	87	61	70	258.5	61	3,395	4.6	22	s.	21
Columbus, Ohio	30.03	83	56	62	273.0	64	4,968	6.7	29	nw.	17
Elkins	30.04	94	69	81	167.2	39	2,188	2.9	16	nw.	24
Lexington, Ky	30.04	88	67	....	202.0	48	6,322	8.5	30	w.	4
Parkersburg	30.05	85	60	75	186.2	44	2,815	3.8	24	nw.	2
Pittsburgh, Pa	30.04	83	58	68	284.2	67	5,710	7.7	29	nw.	5
Wytheville, Va	30.04	91	67	84	210.0	50	2,725	3.7	18	nw.	5

COMPARATIVE DATA FOR AUGUST

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Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 01 inch or more	Clear	Partly Cloudy	Cloudy
1891	69.8	......	......	5.48	......	......	......	......	......	......	......
1892	72.1	96	41	2.55	......	......	......	......	......	......	......
1893	70.8	98	41	3.38	......	......	......	7	......	......	......
1894	71.5	103	38	2.07	5.15	0.27	......	......	......	......	......
1895	73.3	104	40	3.01	7.69	1.15	......	6	14	12	5
1896	72.6	97	40	2.82	5.69	0.88	......	8	15	11	5
1897	70.9	100	42	2.91	5.93	0.77	......	7	15	12	4
1898	73.7	96	44	7.51	11.57	4.40	......	9	13	14	4
1899	73.5	100	34	2.64	6.37	0.34	......	12	12	12	7
1900	76.0	100	45	3.15	7.20	1.03	......	6	15	11	5
1901	73.6	98	43	5.14	13.70	1.64	......	8	17	10	4
1902	70.4	98	35	2.40	6.05	0.97	......	12	10	13	8
1903	71.4	105	38	2.64	5.85	0.99	......	7	15	13	3
1904	70.7	95	32	2.88	6.71	0.67	......	8	12	13	6
1905	71.3	96	40	4.25	8.32	1.32	......	9	15	10	6
1906	75.4	98	47	5.15	10.72	2.18	......	9	14	11	6
1907	69.4	93	41	4.64	10.12	1.55	......	13	10	13	8
1908	70.9	101	37	2.82	5.63	0.84	......	11	13	10	8
1909	70.8	99	37	3.03	5.79	0.81	......	7	15	10	6
1910	70.8	98	39	2.03	5.58	0.70	......	6	16	10	5
1911	73.5	105	40	6.71	12.14	2.38	......	5	17	10	4
1912	69.3	95	35	3.64	11.70	0.25	......	12	13	10	8
1913	72.7	102	37	3.18	8.20	0.79	......	11	10	13	8
1914	71.8	100	40	4.86	9.29	1.38	......	6	19	7	5
1915	69.4	99	36	4.84	8.36	2.46	......	10	15	9	7
1916	72.9	104	40	4.76	15.35	1.46	......	14	10	11	10
1917	71.6	102	39	3.53	8.80	0.94	......	10	14	9	8
1918	76.0	110	43	3.96	9.15	0.63	......	8	17	8	6
1919	70.2	100	40	4.54	8.67	0.95	......	9	17	8	6
1920	71.1	95	42	4.27	9.28	1.69	......	11	16	9	6
1921	69.7	98	37	5.20	9.46	2.13	......	14	9	10	12
1922	68.9	98	31	3.87	7.51	1.20	......	9	16	8	7
1923	71.0	99	33	4.39	12.42	1.60	......	10	14	9	8
1924	71.7	104	34	4.63	9.34	0.69	......	10	15	8	8
1925	70.7	100	33	1.86	4.92	0.20	......	9	18	8	5
1926	74.0	105	38	6.94	15.36	2.95	......	7	18	8	5
1927	67.1	94	34	4.33	8.03	1.34	......	13	13	7	11
1928	74.0	103	39	5.36	8.43	1.85	......	11	12	9	10
1891-1928	71.7	110	31	3.98	15.36	0.20	......	14	11	8	12

Climatological Data for August, 1928

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	27	69.2	+ 3.2	94	9†	39	12	44	7.76	+4.31	1.29	0	13	16	8	7	w.	U. G. Clark
Brandywine	Pendleton	1,586	12	71.8	+ 1.9	92	4†	52	27	33	6.15	+3.07	1.75	0	15	15	3	13	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	39	.....	.....	.....	.....	.....	.....	.....	5.84	+2.07	1.37	0	12	.....	.....	.....	.....	J. C. Newcomer
Inwood	Berkeley	569	6	73.4^{a}	.....	96^{a}	3	47	24	33^{a}	5.33	.....	1.20	0	16	15	3	13	nw.	L. E. Dills
Martinsburg	Berkeley	435	36	74.2^{a}	+ 1.2	98^{a}	3	52	14	36^{a}	7.05	+3.24	1.87	0	17	19	8	4	se.	Dr. H. S. Gardner
Moorefield	Hardy	900	32	76.4	+ 3.1	100	3	54	13	36	4.24	+1.08	0.97	0	14	23	4	4	.....	M. S. Henkel
Perry	Hardy	.....	0	.....	.....	.....	.....	.....	.....	.....	7.43	.....	1.77	0	14	12	10	9	s.	W. R. Paddock
Piedmont ††	Mineral	1,053	15	72.4	+ 2.0	91	5†	53	12†	31	2.91	-0.68	0.80	0	7	12	5	14	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	30	74.9^{b}	+ 2.0	98^{b}	5	49^{a}	13	37^{c}	3.09	−0.90	0.73	0	8	7	8	16	.....	George E. Bergdoll
Stony River Dam	Grant	3,300	8	.....	.....	.....	.....	.....	.....	.....	5.30	.....	1.13	0	15	6	3	22	w.	A. C. Becker
Upper Tract	Pendleton	1,230	29	73.4	+ 2.4	94	3	51	14	32	4.57	+1.22	1.30	0	8	21	0	10	.....	J. M. Mallow
Wardensville	Hardy	1,200	11	70.2^{a}	.....	96^{a}	5	40	1	47^{a}	5.93	.....	1.20	0	17	.....	.....	.....	.....	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	4	.....	.....	.....	.....	.....	.....	.....	4.79	.....	1.19	0	15	7	13	11	w.	L. Else Bond
Alma (near)	Tyler	.....	1	.....	.....	.....	.....	.....	.....	.....	7.08	.....	1.54	0	15	6	13	12	.....	D. N. Furbee
Bens Run	Pleasants	652	26	75.6	+ 1.8	92	5†	57	12†	30	5.78	+1.54	1.65	0	12	8	19	4	.....	J. D. Riggs
Benson	Harrison	1,080	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. D Marts
Brownsville	Lewis	1,032	5	74.8	.....	91	3†	53	13†	33	4.55	.....	1.04	0	17	11	10	10	.....	George M. Myers
Bruceton Mills	Preston	1,549	11	.....	.....	.....	.....	.....	.....	.....	8.38	+3.73	1.85	0	11	1	21	9	sw.	W M. Wolf
Buckhannon	Upshur	1,411	31	71.8	.....	85	4†	54	23	25	5.23	+1.13	1.16	0	12	14	7	10	.....	H. A. Darnall
Cairo	Ritchie	680	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	O C. Hess
Clarksburg	Harrison	1,015	6	74.7	.....	94	9	52	13	37	5.91	.....	1.22	0	18	12	9	10	w.	Clarksburg Water Board
Cortland	Tucker	3,300	17	.....	.....	.....	.....	.....	.....	.....	4.10	−0.04	1.00	0	11	4	24	3	.....	G. W. Harmon
Crawford	Lewis	1,107	5	.....	.....	.....	.....	.....	.....	.....	5.40	.....	1.49	0	14	13	10	8	w.	George W. Blair
Creston	Wirt	640	26	76.2	+ 2.8	95	14	54	1	33	6.23	+2.78	0.82	0	15	16	1	14	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	7	.....	.....	.....	.....	.....	.....	.....	5.19	.....	1.34	0	12	.....	.....	.....	.....	Lockmaster
Dam 12 O. R.	Ohio	660	12	.....	.....	.....	.....	.....	.....	.....	1.85	−2.92	0.42	0	13	.....	.....	.....	.....	Lockmaster
Dam 13 O. R.	Ohio	655	12	.....	.....	.....	.....	.....	.....	.....	3.82	−0.71	1.10	0	14	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	7	.....	.....	.....	.....	.....	.....	.....	5.89	.....	1.22	0	14	.....	.....	.....	.....	Lockmaster
Davis	Tucker	3,093	19	.....	.....	.....	.....	.....	.....	.....	7.13	+2.15	1.74	0	16	.....	.....	.....	.....	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt ††	615	16	.....	.....	.....	.....	.....	.....	.....	5.86	+1.49	0.80	0	13	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,947	27	70.9	+ 1.8	87	3	54	23	30	4.77	+1.12	1.04	0	17	3	10	18	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	3	.....	.....	.....	.....	.....	.....	.....	3.27	.....	0.69	0	15	0	18	13	.....	Claude A. Cunningham
Fairmont	Marion	883	22	75.4	.....	95	5†	52	13	37	4.94	+1.25	1.32	0	15	9	11	11	w.	J. C. Robinson
Glenville	Gilmer	738	34	76.4	+ 2.5	94	9†	56	23	32	6.25	+2.34	1.64	0	16	10^{a}	9^{a}	11^{a}	w.	Howard R. Brannon
Grafton	Taylor	1,000	35	72.4^{a}	+ 0.7	95^{a}	9	48	13	36^{a}	6.85	+2.95	1.19	0	13	12	7	12	w.	T. D. Smith
Horner	Lewis	1,044	5	.....	.....	.....	.....	.....	.....	.....	5.50	.....	1.15	0	10	.....	.....	.....	.....	Foster R. Hardman
Horton	Randolph	2,840	3	.....	.....	.....	.....	.....	.....	.....	3.58	.....	0.90	0	17	11	0	20	sw	J. W. White
Janelew (near)	Lewis	1,020	5	75.2	.....	93	8	54	12†	33	4.68	.....	1.15	0	10	14	9	8	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	30	74.2	+ 3.2	94	9†	50	13	39	3.08	−0.94	1.01	0	11	8	10	13	sw.	Allen Smith
Mannington	Marion	985	25	72.0	+ 1.1	87	5	51	13	32	7.46	+3.54	2.07	0	16	13	6	12	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	35	74.6	+ 2.3	92	6†	53	13†	33	4.45	+0.27	1.25	0	12	4	12	15	se.	Prof. E. L. Andrews
New Cumberland	Hancock	671	30	74.5^{a}	+ 3.6	94^{a}	9	52	13	34^{a}	2.70	−0.78	0.80	0	10	11	8	12	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	34	76.6	+ 2.5	97	9	54	13	36	7.35	+3.85	1.45	0	13	14	9	8	s.	Wm. Ankrom
Parkersburg	Wood	638	41	76.3	+ 2.4	93	29	57	23	28	4.75	+1.22	1.65	0	12	6	9	16	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	28	71.9	+ 2.7	89	8	55	13	29	4.31	+0.52	1.00	0	10	12	9	10	.....	J. W. Swisher
Parsons No. 2	Tucker	.....	2	.....	.....	.....	.....	.....	.....	.....	5.02	+1.23	0.78	0	16	12	9	10	.....	Robert T. Deem
Philippi	Barbour	1,550	31	.....	.....	.....	.....	.....	.....	.....	5.91	+1.86	0.95	0	14	.....	.....	.....	.....	H. F. Brittingham
Pickens	Randolph	2,697	25	68.0	+ 1.3	88	5†	47	13	38	7.96	+2.85	1.96	0	17	12	6	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	5	.....	.....	.....	.....	.....	.....	.....	4.59	.....	1.20	0	15	14	12	5	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	41	.....	.....	.....	.....	.....	.....	.....	6.31	+2.44	1.28	0	16	.....	.....	.....	.....	Walter H. Bolyard
Saint Marys	Pleasants	577	19	.....	.....	.....	.....	.....	.....	.....	6.70	+1.84	1.46	0	13	.....	.....	.....	.....	Wm. Hughes
Terra Alta	Preston	2,559	27	67.0	0	84	9	42	13	33	5.79	+0.80	1.76	0	17	3	8	20	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	5	75.7	.....	94	9	53	13	33	3.96	.....	0.98	0	15	3	16	12	w.	J. C. Campbell
Vandalia	Lewis	1,120	5	.....	.....	.....	.....	.....	.....	.....	4.53	.....	1.35	0	10	.....	.....	.....	.....	Creed H. McCue
Wellsburg	Brooke	668	21	72.8	+ 2.4	92	9	49	13	37	3.86	−0.01	1.14	0	10	23	8	0	w.	George F. Pfister
West Milford	Harrison	979	3	.....	.....	.....	.....	.....	.....	.....	6.35	.....	1.65	0	9	.....	.....	.....	.....	Miss Dicie E. Wagner
Weston	Lewis	1,026	33	.....	.....	.....	.....	.....	.....	.....	5.05	+1.12	1.00	0	14	.....	.....	.....	.....	Weston State Hospital
Wheeling	Ohio	645	41	76.4	+ 3.0	98	9	52	13	40	2.04	−1.66	0.60	0	12	19	10	2	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	1	.....	.....	.....	.....	.....	.....	.....	6.57	.....	0.87	0	11	9	13	9	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	2	.....	.....	.....	.....	.....	.....	.....	4.73	.....	1.21	0	22	11	8	12	w.	H. S Sutton
Bancroft	Putnam	574	24	76.2^{a}	+ 2.6	93^{a}	8†	57	23	31^{a}	4.70	+0.28	1.10	0	9	16	0	15	ne.	R. E. Dent
Bluefield ^{d}	Mercer	2 558	33	72.6	+ 1.6	89	27	57	23	26	4.36	−0.06	1.54	0	18	12	7	8	.....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	13	.....	.....	.....	.....	.....	.....	.....	5.74	+0.95	1.80	0	6	.....	.....	.....	.....	Miss Katie Jarvis
Charleston	Kanawha	600	25	78.7	+ 3.1	100	29	61	23	36	6.86	+2.35	1.14	0	13	9	0	22	.....	R O. Fields
Clay	Clay	706	12	.....	.....	.....	.....	.....	.....	.....	6.06	+0.64	1.86	0	15	.....	.....	.....	.....	Chilton Wilson
Dam 6 G. K.	Kanawha	598	2	.....	.....	.....	.....	.....	.....	.....	6.38	.....	1.53	0	10	.....	.....	.....	.....	Lockmaster
Dam 19 O. R.	Wood	600	12	.....	.....	.....	.....	.....	.....	.....	5.68	+1.59	1.78	0	15	.....	.....	.....	.....	Lockmaster
Dam 20 O. R.	Wood	600	12	.....	.....	.....	.....	.....	.....	.....	5.29	+0.68	0.84	0	14	.....	.....	.....	.....	Lockmaster
Dam 25 O. R.	Mason	565	1	.....	.....	.....	.....	.....	.....	.....	4.27	.....	1.15	0	11	.....	.....	.....	.....	Lockmaster
Dam 26 O. R.	Mason	564	12	.....	.....	.....	.....	.....	.....	.....	2.90	.....	1.07	0	11	.....	.....	.....	.....	U. S. Engineer Office
Gary	McDowell	1,426	12	74.7^{a}	.....	91^{a}	3†	58^{a}	23	28^{b}	6.43	+1.76	1.49	0	18	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	31	75.4	+ 2.0	94	9	60	21	29	8.43	+4.57	1.70	0	21	6	6	19	.....	Mrs. M. L. McClung
Kanawha Falls	Fayette	618	9	.....	.....	.....	.....	.....	.....	.....	5.61	.....	1.10	0	11	.....	.....	.....	.....	J. O. Brown
Kayford	Kanawha	1,335	12	.....	.....	.....	.....	.....	.....	.....	8.38	+4.52	1.06	0	19	.....	.....	.....	.....	Cabin Creek Con. Coal Co
Kermit	Mingo	579	2	.....	.....	.....	.....	.....	.....	.....	4.87	.....	1.40	0	10	.....	.....	.....	.....	E. B. Kirk
Lewisburg	Greenbrier	2,250	28	71.3	+ 1.4	87	3	55	21	27	5.98	+2.42	2.47	0	12	11	7	13	s.	Geo. T. Argabrite
Logan	Logan	700	25	.....	.....	.....	.....	.....	.....	.....	5.82	+2.17	1.16	0	12	.....	.....	.....	.....	J. R. Wampler
Marlinton	Pocahontas	2,131	29	68.6	+ 2.2	86	5	52	20	26	7.54	+2.64	2.18	0	20	0	21	10	sw.	S. L. Brown
Organ Cave ††	Greenbrier	.....	2	.....	.....	.....	.....	.....	.....	.....	4.68	.....	0.90	0	14	5	13	13	w.	J. J. Hedrick
Point Pleasant	Mason	595	35	79.2	+ 4.6	103	8	55	23	35	3.66	+0.40	0.89	0	12	11	1	19	sw	Miss Grace E. Henson
Powellton	Fayette	904	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	5	74.4	.....	93	9	48	13	44	5.11	.....	1.08	0	14	13	0	18	sw.	Lockmaster
Robertsburg	Putnam	570	28	76.5	+ 2.1	94	5†	51	23	37	3.24	−0.01	0.72	0	11	15	0	16	.....	M. Frazier
Ryan	Roane	709	25	73.7	+ 0.6	93	9	52	23	33	3.74	−0.12	1.20	0	8	10	11	10	.....	Wm. E. Ryan
Sharples	Logan	.....	8	.....	.....	.....	.....	.....	.....	.....	6.21	.....	1.11	0	14	.....	.....	.....	.....	R. W Howard
Spencer	Roane	789	24	73.0	+ 0.3	90	3†	48	26	34	3.61	−0.05	1.15	0	8	0	21	10	.....	A. M. McKown
Sutton	Braxton	850	22	75.0	0	93	5†	58	23	33	5.77	+2.03	1.55	0	13	18	6	13	.....	C. B. Eakle
Union ^{d}	Monroe	2,250	24	73.6	+ 3.0	94	6	56	20†	34	4.33	+0.48	2.02	0	10	8	11	8	.....	W. M. H. Young
Wayne	Wayne	598	1	.....	.....	.....	.....	.....	.....	.....	6.41	.....	2.02	0	17	.....	.....	.....	.....	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	18	73.2^{a}	+ 2.7	93^{a}	2†	56	22	32^{a}	4.54	+1.28	1.28	0	15	22	3	6	.....	H. E. Green
Williamson	Mingo	673	28	79.4	+ 4.5	95^{a}	2†	66	23	24^{a}	6.61	+3.07	1.32	0	16	11	0	20	se.	A. J. Maynard
State averages and	extremes	.....	.....	74.0	+ 2.2	103	8	39	12	47	5.36	+1.41	2.47	0	14	11	8	12	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for August, 1928

Stations	Drainage-basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Panhandle Division																																	
Bayard‖‖	Potomac	1.09	1.29	.06			T.						.11					1.12	.09	.43			1.08	.11		1.07	.04				.04	1.23	7.76
Brandywine	do				.50	.85	.45	.30			.55	.15	.25				1.75	.35	.10				.15		.25	T.	.25				.15	.10	6.15
Harpers Ferry ‖‖	do				.05	.24		.14					1.01	1.37				.76	.26				1.20		.07	.19	T.	T.	.54	T		.01	5.84
Inwood	do		.16		.09	.11	.15	.35	.06	.14		.14	.28	.85				.73	.08				1.20			.26	.01			.72			5.33
Martinsburg‖‖	do	.05	.20			.03		.08	.60	.80		.70	.35	.60				.80	.20				1.87			.40	.05	.02	.28			.02	7.05
Moorefield	do	.30	.08		.22		.65	.17					.04				.97	.03	.17				.03		.10	.72		.65			.11		4.24
Perry	do	.25	.01		1.03	.91	.03	.01			T.		1.35					1.77	.02			1.00			1.00	.01			.02		.01		7.43
Piedmont	do	.60	.06													.20	.80	.30					.40		.55								2.91
Romney ‖‖	do	.45	.20				.35					.15						.71					.40			.73						.10	3.09
Stony River Dam	do	.27	.36	.02		.02		.08					.43					.96	.05	.22			.89			1.13		.07	.47		.07	.26	5.30
Upper Tract	do		.15		.15	1.30	.30	.40			T.	T.					T.	1.20						.97		T.					.10		4.57
Wardensville‖‖	do	.06				.01	.46		.70				.60	.20			.12	.42	.45	.41			.20	.05	1.20	.40	.20		.20			.25	5.93
Northern Division																																	
Aberdeen	Monongahela	.72	.08	.05			.26			.05	T.	.25					1.19	.43	.63	T.			.50		.18	.04	.08	.15				.18	4.79
Alma (near)	Ohio	.35	.60	.76	.71	.07	.10		.11								1.54	.06	.45			1.00			.40	.29					.50	.14	7.08
Bens Run	do	.61	.36	.11	.04	.06	.23		.36								.93					.77			1.65						.22	.44	5.78
Benson	Monongahela																																
Brownsville	do	.49	.02	.04	.02		.11	.11			T.	.37					1.04	.37	.53	.18	T.				.52	.12	.08	.17			.18	.20	4.55
Bruceton Mills	do	1.75	T.		.12		.30	T.	T.			.32				T.	.40	T.	.06			1.35	1.85		1.25		T.	.17	T.		.81		8.38
Buckhannon	do	.78	.05		T.		.20				T.	.08	T.				.82	.20	.89	T.		T.	.16		.42	.20	.27				1.16	T.	5.23
Cairo	Little Kanawha																																
Clarksburg ‖‖	Monongahela	.75	.52	.56	.21	.22	.14	.01				.52					.02	1.22	.38	.11			.73		.02	.28	.01		.01			.20	5.91
Cortland ‖‖	do	.25	1.00	.10												.25	.20	.10	.15			1.00			.75						.10	.20	4.10
Crawford	Little Kanawha	.17	.11				.40										1.27	.31	.21	.04			.07		.52	.16	.07	1.49			.46	.12	5.40
Creston ‖‖	Monongahela		.37	.18	.41		.32	.19				.31					.54	.82	.80	.32			.69		.12	.81			.16			.19	6.23
Dam 10, Mon. R.‖‖	Ohio	1.34				.10	.30										.07	.82	.36	.03			.78			.48	.03		.10			.78	5.19
Dam 12, O. R.‖‖	do	.36	.01	.11		.15	.42		.21			.06						.05	.01				.01		.01	.15						.30	1.85
Dam 13, O. R.‖‖	Monongahela	.42		.40	.04	.02	.38			.05		1.10						.06	.02				.01		.02	.30				.40		.60	3.82
Dam 15, Mon. R.‖‖	do	1.07	.04	.09	.04		.15										.10	1.22	.10	.06			.79		T.	1.03	.04		.26			.90	5.89
Davis	do	.25	.40	.20	.05	.20						.05	.25				.13	.58	.30	.19			1.74			.60		1.43			.08	.68	7.13
Elizabeth (D'm 3 L K)	Little Kanawha	.13	.34	.34	.12		.69	.80		.66							.45	.75	.17	.34						.63						.44	5.86
Elkins***	Monongahela	1.04	.10		.06		.06				.02	.50			.01		.87	.11	.32	T.		.17	.09		.31	.04	.73	T.			.12	.19	4.77
Evenwood	do	.07	.12		T.	.19			.11	.04	.26	.32	.06		T.	.31		.12	.06		T.	T.		.69	.37		T.		T.		.40	.15	3.27
Fairmont‖‖	do		.03	.11	.07	.04	.23			.10							.13	1.29	.13	.01			.83		.02	1.32	T.		.07			.56	4.94
Glenville ‖	Little Kanawha	.12	.25	.31	.04	.10	1.02	.13		.05							.60	1.04	.16	.64			.35			.72	.11					.58	6.25
Grafton‖‖	Monongahela	1.19	.35	.63	.13	.46	.29	T.			.50						.13	.81	.78			1.03				.30						.25	6.85
Horner	do			.50							.25		.25				1.15							.50	.60	.25				.90	.80	.30	5.50
Horton	do	.34	.38		.06		.11	.06				.06	.23				.90	.08	.06				.09		.50	.08	.10	.12			.26	.15	3.58
Janelew (near)	do	.68		.35			.15				.20						1.10	.20	1.15						.40			.30				.15	4.68
Lost Creek	do	.95	T.	.35	.20		T.	.02			T.	T.					1.01	.06	.24			.03	.05		.12		T.	.05			T.	T.	3.08
Mannington	do	1.02	.07	.08	.22	.01	.37		.15								1.20	.20	.06			1.43	.02		.28	.28					1.31	.76	7.46
Morgantown	do	1.25			.10		.25		T.							.12	.54	.28	.12			.53	T.		.20	.22		T.			.45	.39	4.45
New Cumberland‖‖	Ohio	.28		.04			.62					.03						T.	.19				.55	.02	.04	.33						.80	2.70
New Martinsville	do	1.45	.60	.10	.10		.80		.50								.85		.05			.75			1.45	.40					.15	.15	7.35
Parkersburg ***	do	.38	.23	.03	.24	.30	.13										.38	.02	.26			.03			1.65						1.10		4.75
Parsons	Monongahela	.75	T.	T.	.47		T.	T.				.20					T.	.40	1.00	.07		T.			.47		.28	.30			.37		4.31
Parsons No. 2	do	.78	.21		.29		.02	T.			.01		.17				.68	.13	.78				.76		.46	.10	.02	.09			.45	.07	5.62
Philippi	do	.61	.65	.55			.15						.10				.05	.95	.78	.35			.18		.20	.58			.55			.21	5.91
Pickens	do	.55	.10		.16		.50	.10			.27	.71					.74	.16	1.05				.08		.80	.43	.22	.13			1.26	.70	7.96
Roanoke	do			.01	.23		.21	.02				.25					1.20	.50	1.02		.04		.30	.24	.11			.27			.15	.04	4.59
Rowlesburg ‖‖	do	.40	1.28	.05		.39	.33	.12				.17	.18					.78	.08	.22			.76			.72	.08	.02				.73	6.31
Saint Marys ‖‖	Ohio	.35	T.	.38	1.41		.51			.35							.15	.67	.04	.01			.49		.23	1.46						.65	6.70
Terra Alta	Monongahela	1.76	.01	T.	.03		.25	T.	T.		.01	.15	.09				.61	.21	.02	.01		T.	1.11		.43	.07	.02				.79	.22	5.79
Valley Chapel	do	.66		.60		.01	.21	.07		.02							.98	.07	.57	.02			.01		.60	.02		.07			.05		3.96
Vandalia	do	.17	.06				.02		.38								1.35	.72	.48						.42		.58				.35		4.53
Wellsburg	Ohio		.30	1.10			.16					.58						T.	.04			T.	.45		.04	.05					.81	.33	3.86
West Milford	Monongahela	.85		.85	.20												1.65			.80			.35		.45			.35			.85		6.35
Weston	do	.20	.50		.10		.10	.20		.30		.25					.10	1.00	.50	.50						.40			.40			.50	5.05
Wheeling‖‖	Ohio	.42	.01	.11		T	.25		.11	.11		.06						.05	.01				T.		.01	.30				T.		.60	2.04
Woodlands ‖‖	do	.40		.82	.81		.82			.33		.01						.42	.82				.82			.87						.45	6.57
Southern Division																																	
Arbovale	Great Kanawha	.08	.01	.01	.01		.21			.44	.18	.02	.13		.71		1.21	.12	.15			.01	.04		.40	.02	.40	.17		.05	.24	.12	4.73
Bancroft ‖‖	do		1.10		.10							.68					.75	.20		.03			.36			.76						.72	4.70
Bluefield	do		.06	.12	.03		.19	.02		.04	.15	.45		.13		.17	1.54	.09			.05		.38		.08			.50			.05	.30	4.36
Camden-on-Gauley‖‖	do	.80					1.10					1.00					1.80		.22												.82		5.74
Charleston ‖‖	do	.08	1.10	.54	.30	.14	.16										1.06	.40	.06	.22			1.14			1.12						.54	6.86
Clay ‖‖	do		.08		.02	.02	.22	.25	.05	.02	.03					T.	.87	1.86	.27	.49			.41			.53			.04	T.		.90	6.06
Dam 6 G. K. ‖‖	do		1.25	.45		.12		.04									.90	.34					1.53			.86	.03					.86	6.38
Dam 19 O. R. ‖‖	Ohio	.36	.03	.70	.16	.06	.86	.18		T.							.18	.16	.05	.04			.14		.12	.86				T.		1.78	5.68
Dam 20 O. R. ‖‖	do	.46	.10	.45	.54	.04	.55	.02									.18	.26	.65	.26					.16	.78						.84	5.29
Dam 25 O. R. ‖‖	do		.40	.02		1.15	.08	.25									.40	.15	T.				.20			1.00					.01	.61	4.27
Dam 26 O. R. ‖‖	do	.05	.30	.01	.01	.05											.25	.25	.05				.03			.83						1.07	2.90
ary‖‖	Big Sandy				.36		.43	.05		.69	.67	.51	.02			.44	1.49	.32	.10	.28	.01		.18			.36		.11			.15	.26	6.43
inton ‖‖	do	.50	.08	.05	.12	.25	1.55	.49	.01	.05	.41	.71	.75				1.70	.40	.07	.09			.01			.10	.90	.08				.20	8.43
anawha Falls‖‖	Great Kanawha		.72	.30								.34				.13	.88	.88	.46	.38			.04			.38						1.10	5.61
ayford‖‖	do	.22	.62	.56	.05	.26	.05	.80		.30	.21	.72	.02			T.	.85	1.06	.36	.09			.03			.33	.82					1.03	3.38
ermit ‖‖	Big Sandy			.40			.20		.40	.40	.20	.12					1.10		.45							.20						1.40	4.87
ewisburg	Great Kanawha	T	.08		1.53		.03				T.	.39	.32			.06	2.41	.05	.14						T.	T.	.09				.16	.72	5.98
ogan ‖‖	Guyandotte	.15	.91				.42	.55		.10	.11					.40	1.16	.32	T.	.52						.21	T.					.97	5.82
arlinton	Great Kanawha	.52	.26		.22	T.	.06				1.48	.04	.12		.04	.14	2.18	.08	.48				.08		.42	.06	.20	.24	.12	T.	.22	.58	7.54
rgan Cave	do	.30				.05	.06			.04	.10		.30	.40			.30	.46							.80	.90	.35	.22			.40		4.68
oint Pleasant ‖‖	Ohio	.08	.10		.10	.22		.19									.51	.31	.30				.20			.89				.10		.56	3.66
owellton	Great Kanawha																																
avenswood (Dam 22	Ohio		1.08	.02	.45	.04	.04	.60		.38							.30	.45	T.	.06			.03		.23	.74						.69	5.11
obertsburg ‖‖	Great Kanawha	.10	.26		.03				.20	.20							.56	.18	.01				.29			.72						.69	3.24
ran	do	.13	T.	T.													1.20	.72	.14						.70	.21					.22	.42	3.74
arples‖‖	Coal River	.40	1.11			.10	.04	.93	.05	.10							1.10	.50	.20	.40						.10	.55					.63	6.21
encer ‖‖	Great Kanawha		1.15	.04	T.	T.		T.		.65								.16	T.				.06		T.	.42				.22		.91	3.61
tton	Gauley	.10			.20		.30										1.55	.40	.20	.55			.60		.70	.45	.12				.25	.35	5.77
ion	do		.34		.15					.53	T.			.36		.06	2.02	.04	.02									.59				.22	4.38
ayne‖‖	Big Sandy	.06	.22		.20	.88		.12	.28	.09		.58					.85	.10	.13	.10					.03	.54	.11				.10	2.02	6.41
ite Sulpr. Spgs ‖‖	Great Kanawha	.03		.05						.20	.28	.68				1.28	.43	.14	.15						.25	.10	.30	.20			.05	.40	4.54
lliamson ‖‖	Big Sandy	.41	.04				.09	.03	.69	.26	.08					.20	1.32	.45	.06	.65			.07			.93	.13					1.20	6.61

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for August, 1928

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	84	86	88	81	89	87	84	88	94	94	83	83	79	85	87	75	77	78	77	81	87	84	81	86	82	81	82	85	88	81	70	83.5
	Minimum	62	57	56	62	69	61	58	57	53	52	43	39	41	46	53	56	59	59	52	46	44	58	47	50	61	59	62	60	61	59	62	55.0
Brandywine	Maximum	86	88	89	92	91	90	92	91	90	89	80	75	78	85	80	7	78	85	75	85	86	82	85	83	80	80	85	89	87	85	80	84.3
	Minimum	60	62	61	60	63	69	68	64	62	60	55	58	54	55	60	60	59	60	60	57	56	60	59	58	60	58	52	60	58	56	54	59.3
Inwood	Maximum	82	89	96	91	95	88	87	88	92	87	76	65	80	84	88	83	81	84	83	87	84	77	76	80	73	81	84	90	93	93	....	84.6
	Minimum	65	63	66	70	69	67	66	69	66	67	68	59	53	54	61	64	51	58	61	54	56	52	51	47	63	64	70	70	67	70	70	62.3
Martinsburg§	Maximum	83	90	98	93	97	92	90	90	93	87	78	65	82	88	89	73	74	80	82	82	85	75	74	80	75	84	92	92	95	92	....	85.0
	Minimum	53	58	65	69	68	68	68	70	65	66	67	60	53	52	55	64	63	64	64	65	54	62	63	59	66	67	67	65	67	68	69	63.4
Moorfield	Maximum	83	89	100	94	97	92	94	93	96	88	83	75	86	91	93	87	85	85	84	85	90	86	86	87	84	84	89	95	97	94	86	89.0
	Minimum	66	64	65	70	66	67	65	66	65	65	68	62	54	55	62	65	65	62	58	57	56	62	62	62	60	67	69	68	67	68	69	63.8
Piedmont	Maximum	78	85	89	87	91	91	90	90	83	77	71	80	84	87	77	75	81	80	79	78	84	78	78	75	77	76	81	88	90	91	88	82.5
	Minimum	64	63	64	62	66	66	67	64	63	63	63	53	53	63	64	63	63	59	59	54	55	63	57	65	66	66	68	68	66	64	60	62.4
Romney	Maximum	88	94	97	93	98	90	90	94	96	83	78	85	75	88	91	67	82	86	76	87	90	....	85	83	79	82	87	96	90	92	....	87.0
	Minimum	66	62	66	68	61	65	65	66	63	64	67	63	49	52	61	64	62	63	58	53	54	62	....	60	66	66	67	68	67	67	68	62.8
Upper Tract	Maximum	89	87	94	89	92	89	88	89	89	89	82	81	81	81	82	80	84	85	85	86	86	83	82	82	80	85	87	90	91	87	86	85.8
	Minimum	63	63	65	67	62	63	64	64	61	63	64	64	66	51	58	60	61	61	58	54	55	60	60	61	65	57	58	62	62	61	60	61.1
Northern Division																																	
Bens Run	Maximum	82	89	89	89	92	90	84	90	92	90	80	82	83	90	87	77	84	84	84	87	86	81	85	83	86	84	89	90	92	83	76	85.5
	Minimum	70	68	68	70	69	68	68	69	74	67	64	57	60	61	68	66	67	70	66	57	63	65	57	65	60	63	68	60	70	71	65	65.6
Buckhannon	Maximum	78	81	84	85	85	83	81	83	85	80	78	72	80	84	84	79	74	77	76	78	80	76	79	82	78	78	83	82	83	80	72	80.0
	Minimum	63	66	64	65	67	68	65	65	63	66	64	62	55	59	60	64	66	67	65	58	62	65	54	60	66	67	68	66	65	69	62	63.7
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Clarksburg §	Maximum	81	89	92	92	93	89	85	93	94	90	77	74	83	93	91	75	80	82	84	86	89	81	87	89	74	84	91	92	91	85	73	85.8
	Minimum	62	65	63	68	67	67	66	66	65	65	65	62	52	56	62	65	65	68	64	58	57	65	56	60	62	63	68	68	66	68	68	63.6
Creston	Maximum	85	90	88	89	93	92	90	92	94	94	93	78	90	95	92	79	85	88	87	89	89	86	87	86	70	85	88	91	94	90	87	88.5
	Minimum	54	65	64	68	64	68	67	66	67	65	64	64	57	63	65	63	67	66	64	62	60	64	58	63	60	65	66	68	66	68	63	64.0
Elkins	Maximum	77	82	87	82	87	84	83	84	87	81	75	67	83	86	84	72	72	76	75	80	84	76	83	83	76	77	83	84	86	80	69	80.2
	Minimum	66	65	64	68	64	66	63	62	62	61	63	58	55	56	62	63	62	64	61	58	54	57	54	57	62	66	66	63	64	67	56	61.6
Fairmont§	Maximum	81	91	90	89	95	93	91	93	94	88	78	72	87	95	91	72	83	88	84	89	80	84	88	86	77	84	91	93	95	88	78	86.7
	Minimum	53	66	65	69	68	68	68	68	65	66	67	60	52	58	65	67	66	66	64	57	59	65	56	60	61	63	68	70	69	70	69	64.1
Glenville	Maximum	89	90	91	90	93	92	88	92	94	92	93	80	89	94	92	82	87	85	83	88	91	89	88	89	75	79	91	92	93	93	76	88.4
	Minimum	67	65	65	68	67	66	65	67	65	65	67	65	58	62	65	63	67	65	64	64	66	60	56	60	61	64	66	66	67	67	65	64.5
Grafton	Maximum	76	80	78	75	92	90	86	90	95	88	75	70	84	97	90	81	82	84	86	83	85	85	86	80	84	80	88	89	86	78	....	83.9
	Minimum	63	62	60	65	64	64	64	64	64	60	62	59	48	55	60	63	64	65	60	56	53	62	53	56	61	61	64	65	63	64	62	60.8
Lost Creek	Maximum	80	89	79	90	91	88	88	93	94	91	80	74	88	94	88	80	80	83	82	88	90	84	88	87	74	85	88	91	92	84	75	85.7
	Minimum	68	65	63	68	66	67	64	65	65	64	65	62	50	55	61	64	65	67	64	56	54	64	52	56	62	65	67	66	65	67	65	62.8
Mannington	Maximum	79	84	84	84	87	85	83	85	86	83	79	75	81	86	85	78	77	80	79	80	82	77	80	81	74	81	85	85	85	81	73	81.4
	Minimum	68	62	64	68	65	67	67	66	64	65	65	59	51	54	64	65	65	67	62	54	57	64	52	59	60	62	65	67	65	66	65	62.7
Morgantown	Maximum	85	87	90	88	91	92	87	91	92	89	85	78	86	90	90	75	80	83	80	86	87	80	85	86	75	83	86	89	91	85	70	85.2
	Minimum	66	67	66	70	70	66	68	64	63	66	66	57	53	61	68	64	64	67	61	54	60	63	53	67	59	63	68	70	70	69	65	64.1
New Cumberland§	Maximum	84	88	90	92	91	89	91	91	94	90	80	75	84	89	90	84	87	82	82	88	86	80	83	81	80	86	91	92	92	88	....	86.7
	Minimum	58	67	68	72	68	68	68	67	63	64	64	55	52	55	59	63	64	67	61	55	56	59	55	57	57	58	61	66	69	73	62	62.3
New Martinsville	Maximum	86	92	91	90	94	93	89	94	97	94	91	78	89	94	90	82	87	84	85	91	87	82	88	85	79	85	92	92	94	90	75	88.4
	Minimum	69	66	66	69	68	68	69	68	67	67	67	59	54	58	68	66	66	68	65	60	60	64	56	63	60	62	66	69	69	70	66	64.9
Parkersburg	Maximum	81	88	90	93	91	90	84	92	93	90	80	75	85	90	87	75	85	84	85	88	86	80	85	85	76	84	89	90	93	81	73	85.4
	Minimum	70	69	71	73	70	69	71	70	66	68	68	63	60	64	71	67	68	71	67	63	65	65	57	68	62	64	69	72	72	69	62	67.2
Parsons	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Philippi	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Pickens	Maximum	74	82	87	84	88	86	82	84	88	81	74	66	84	88	81	73	70	73	75	85	83	76	84	86	84	78	84	85	86	75	67	80.1
	Minimum	59	58	59	60	58	58	55	53	50	52	56	55	47	54	56	55	59	56	56	55	51	58	49	57	59	60	59	57	56	61	51	55.8
Terra Alta	Maximum	76	76	76	76	82	82	77	76	84	83	79	67	73	77	77	74	66	70	71	78	78	69	69	79	74	79	80	81	83	81	69	76.2
	Minimum	63	61	60	66	65	64	60	62	56	54	59	55	42	48	56	56	60	64	53	45	47	59	48	54	60	60	62	63	66	62	60	57.7
Wellsburg	Maximum	85	84	88	90	91	87	87	89	92	88	79	75	84	88	90	80	85	82	82	86	85	80	82	84	79	86	89	91	91	85	72	85.0
	Minimum	53	55	64	68	68	68	70	66	67	62	64	54	49	51	62	62	63	66	59	51	57	58	56	51	55	56	59	63	68	68	62	60.5
Weston	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Wheeling§	Maximum	85	92	96	94	94	93	90	91	98	93	90	82	90	94	91	79	90	90	88	93	90	89	89	88	84	91	94	94	97	90	76	90.2
	Minimum	55	65	64	69	67	67	69	68	65	64	64	68	52	54	61	64	65	64	61	57	62	60	57	58	56	56	60	65	68	71	62	62.5
Southern Division																																	
Bluefield	Maximum	83	84	88	87	....	86	84	85	86	83	71	....	83	84	77	78	74	75	...	85	83	81	83	84	76	...	89	85	85	83	74	82.1
	Minimum	61	65	65	67	....	64	62	60	61	64	64	....	62	62	65	61	63	64	...	61	61	64	57	66	65	....	66	65	63	67	60	63.1
Charleston§	Maximum	89	92	98	93	92	98	98	96	98	96	84	80	98	99	82	80	84	80	88	94	90	84	88	92	76	84	92	95	100	92	74	89.9
	Minimum	64	70	71	72	69	69	69	70	70	71	68	68	62	67	68	65	65	68	68	64	64	66	61	62	68	68	68	68	70	70	68	67.5
Gary §	Maximum	86	88	91	85	87	89	86	89	91	84	77	80	88	89	73	82	79	77	82	83	84	82	86	87	....	82	90	86	88	84	74	84.3
	Minimum	62	65	67	69	65	66	67	65	67	68	67	67	63	64	67	63	67	66	67	66	60	62	58	59	67	....	67	62	65	66	68	65.1
Hinton	Maximum	85	85	93	85	87	82	92	85	94	86	75	82	89	90	76	75	82	78	85	88	88	84	88	89	81	83	92	92	91	83	73	85.1
	Minimum	63	65	68	69	67	65	67	65	65	69	68	68	65	66	67	64	64	67	65	62	60	65	61	62	66	69	67	65	66	67	68	65.6
Lewisburg	Maximum	81	83	87	83	86	85	83	84	86	80	79	78	78	82	74	68	73	78	79	80	82	78	80	83	81	77	84	85	85	84	70	80.5
	Minimum	58	64	62	67	65	61	63	61	63	65	65	64	60	64	63	61	64	65	61	56	55	61	56	59	64	67	65	60	62	62	61	62.1
Marlinton	Maximum	76	78	84	80	86	84	84	84	84	76	68	74	76	78	72	64	68	72	74	78	76	78	76	78	76	74	76	80	82	78	66	76.8
	Minimum	58	60	62	66	66	62	62	60	62	64	64	62	58	64	64	60	60	58	54	52	54	54	58	58	60	64	64	62	60	62	58	60.4
Point Pleasant	Maximum	85	90	100	98	100	100	100	103	100	95	90	90	90	90	90	90	98	88	86	86	90	90	90	90	90	90	90	90	92	92	90	92.4
	Minimum	70	65	70	70	75	74	78	80	70	65	60	60	57	60	65	69	65	60	66	65	70	62	55	65	60	60	67	70	70	70	60	65.9
Ravenswood	Maximum	86	89	88	89	90	91	89	91	93	90	89	79	87	92	92	79	86	86	85	88	89	83	85	88	79	85	89	90	91	92	76	87.3
	Minimum	68	66	68	72	57	60	58	58	49	56	66	53	48	54	58	56	58	71	65	57	63	63	54	67	63	65	65	69	68	70	64	61.6
Robertsburg§	Maximum	87	89	90	93	94	94	90	93	94	93	80	80	92	94	92	80	88	83	85	90	88	82	88	86	88	83	92	90	94	89	74	88.2
	Minimum	65	62	68	71	70	67	66	69	65	68	65	60	58	64	66	65	65	70	67	62	62	65	51	57	64	64	61	68	68	71	64	64.8
Ryan	Maximum	85	88	90	90	90	90	88	90	93	90	80	72	87	84	83	75	78	76	80	84	85	80	82	85	72	88	88	88	90	78	75	84.0
	Minimum	67	64	64	67	62	64	64	63	60	64	63	64	55	62	64	67	66	68	66	62	58	64	52	65	64	64	64	65	64	65	63	63.4
Spencer §	Maximum	82	86	90	90	90	88	88	89	87	86	82	84	90	90	90	76	81	81	81	84	86	83	84	84	78	82	86	88	88	81	71	84.7
	Minimum	60	65	67	70	69	69	67	60	65	60	64	59	62	66	67	62	60	58	58	59	58	50	57	60	56	48	56	64	65	62	56	61.8
Sutton	Maximum	88	89	89	88	93	93	85	88	92	92	90	78	87	93	93	85	82	82	81	86	86	84	83	83	76	83	84	91	92	92	75	86.5
	Minimum	65	65	67	68	66	62	64	65	66	66	65	62	60	60	65	63	62	63	60	61	59	64	58	60	62	63	67	64	57	66	60	63.4
Union	Maximum	84	86	91	91	....	94	90	92	91	84	79	....	81	83	82	72	72	75	....	87	86	85	85	86	86	....	88	90	92	91	87	85.6
	Minimum	57	61	62	67	....	60	63	58	61	66	65	....	61	61	65	61	63	66	....	56	56	62	58	60	64	...	66	60	61	62	62	61.6
White Sulphur Spgs§	Maximum	92	93	89	93	90	90	90	90	83	69	80	80	85	76	70	74	81	82	84	85	83	84	82	84	82	86	89	90	87	74	....	83.9
	Minimum	63	61	68	65	60	64	61	64	63	65	65	61	63	64	62	63	65	62	57	58	61	56	57	62	68	68	62	62	64	62	58	62.4
Williamson§	Maximum	91	95	95	93	93	95	93	91	92	84	85	84	91	93	77	80	85	82	83	89	90	85	90	90	83	84	90	91	93	86	....	88.4
	Minimum	72	72	75	75	71	71	74	74	72	72	70	70	69	70	71	67	67	69	67	68	67	69	66	72	71	71	71	70	73	73	68	70.5

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.188	.085	.138	.123	.174	.218	.134	.145	.199	.201	.152	.148	.097	.146	.178	.141	.027	.082	.075	.111	.189	.227	.187	.176	.046	.165	.069	.135	.192	.193	.115	4.476
	Wind movement	46	35	13	24	23	42	30	23	30	31	23	109	41	32	21	30	39	42	22	18	21	38	38	22	36	24	15	12	24	28	52	984

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 9 27-28—850)

NWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVI PARKERSBURG, W. VA., SEPTEMBER, 1928 No. 9

GENERAL SUMMARY

The past month, with a temperature average of 61.3°, was the third coolest September of State record. In 1918 and 1924 the September average were 60.5° and 60.7°, respectively. The last decade was especially cool, the daily temperatures averaging about 10° below the normal. From the 25th to the 27th light to killing frosts were general over the State, and on the 26th the temperature was near or somewhat below freezing in most sections. Owing to the lateness of the season, the cold weather caused but little damage, although the ripening of corn was much retarded. The precipitation averaged only slightly below the normal; but over the northern counties the rainfall was considerably deficient, while over the southern and eastern counties the average was somewhat in excess. The conditions were excellent for all outdoor work and farm work advanced rapidly.

TEMPERATURE

The monthly mean for the State, determined from 45 stations, was 61.3°. The departure from the normal for 38 stations having ten or more years of record was −4.5°. The month opened cool and the temperature continued below the normal until the 9th. Moderately warm weather prevailed from the 9th to the 17th, with the highest temperature occurring on the 10th, 14th, and 15th. Cool weather set in on the 18th and continued until the close of the month, the lowest temperatures occurring on the 25th, 26th and 27th.

PRECIPITATION

The average precipitation for the State, determined from 84 tations, was 2.71 inches. The departure from the normal for 7 stations having ten or more years of record was −0.34 ich. Nearly all the rainfall was received on the 3d, 6th, 13th, 4th, 15th, 19-20th and 29-30th, the amounts on the 19-20th eing generally moderately heavy. The rainfall was generally ght on nearly all other dates. Snow was noted on the mountin tops from Pocahontas to Preston counties. Traces of snow ere recorded at Bayard and Terra Alta.

LIGHT HAIL

Light hail was noted in sections of Randolph County on the th, and in sections of Marion, Ohio, and Preston Counties the 25th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 7th to the 11th, 16th, and 21st; ncroft, 1st, 4th, 7th to the 17th, 23d, and 28th; Bayard, t, 2d, 11th, and 12th; Clarksburg, 2d, 5th, 7th to the 12th, th to the 17th, and 28th; Clay, 2d, 6th, 8th, 10th, 13th, th, 16th, 21st, 24th, 25th, and 28th; Elkins, 2d, 7th to the th, 16th, and 17th; Fairmont, 3d, 6th, 7th, 10th, 11th, and h; Hinton, 8th to the 14th, 16th, 17th, 23d, and 28th; ult, 2d, 8th to the 12th, 14th, 16th, 17th, and 28th; Mannton, 1st, 2d, 4th, 7th, 8th, 10th, 12th, 13th, 16th, 17th, 21st, and 28th; Marlinton, 7th to the 14th, 16th, 17th, 22d, 23d, and 28th; Morgantown, 7th and 8th; Organ Cave, 8th, 9th, 11th, and 12th; Parkersburg, 2d, 9th, 16th, and 28th; Parsons, 8th; Pickens, 30th, Point Pleasant, 4th, 8th, 10th, 12th, 14th, 17th, 26th, and 28th; Rowlesburg, 9th and 10th; St. Marys, 1st, 8th, 10th, 12th, 16th, 17th, 21st, and 28th; Terra Alta, 1st, 2d, 9th to the 12th, 14th, 16th, and 17th; Wardensville, 3d, 6th, 8th, 10th, 11th, 14th, and 15th; Wellsburg, 8th, 10th, and 22d; Wheeling, 1st, 5th, 7th, 9th, 10th, 12th, 16th, 18th, 22d, 28th, and 29th.

Halo, solar: Ryan, 18th.

Thunderstorms (dates and number of stations reporting): 2d, 1; 3d, 2; 13th, 1; 15th, 8; 16th, 2; 19th, 1; 20th, 1; 25th, 3; 26th, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a.m.	local noon	8 p.m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.08	84	48	54	287.2	77	3,928	5.5	22	sw.	25
Columbus, Ohio	30.07	78	49	55	239.4	64	5,815	8.1	35	w.	25
Elkins	30.09	92	61	83	190.0	51	2,652	3.7	18	nw.	25
Lexington, Ky	30.08	78	52	....	261.1	70	6,790	9.4	31	nw.	25
Parkersburg	30.09	82	52	66	210.9	57	3,041	4.2	23	nw.	25
Pittsburgh, Pa	30.06	80	56	60	197.2	53	6,251	8.8	31	nw.	25
Wytheville, Va	30.05	90	61	81	188.0	51	2,780	3.9	23	w.	25

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	66.8	.....	.....	1.66	.....	.....	.....	.....	.....	.....	.....
1892	64.4	92	32	2.57	.....	.....	.....	6	.....	.....	.....
1893	65.0	91	29	2.28	4.50	1.95	.....	6	.....	.....	.....
1894	67.8	98	31	2.50	4.75	1.25	.....	6	12	11	7
1895	70.3	107	29	1.70	4.25	0.42	.....	4	17	8	5
1896	65.2	95	22	4.59	9.04	1.55	.....	7	14	9	7
1897	66.4	103	27	1.14	4.00	0.02	.....	3	22	6	2
1898	67.6	97	33	2.42	4.75	0.80	.....	6	16	10	4
1899	61.0	100	26	3.65	6.35	1.65	.....	8	14	9	7
1900	71.1	100	35	1.92	5.50	0.54	.....	6	14	10	6
1901	64.8	95	27	3.35	7.64	1.46	.....	8	13	8	9
1902	64.8	98	25	2.98	4.81	1.23	.....	9	12	9	9
1903	64.7	97	25	1.30	2.78	0.10	.....	4	21	6	3
1904	67.0	95	25	1.76	4.55	0.53	.....	6	16	10	4
1905	65.6	97	29	2.21	4.21	0.54	.....	4	18	8	4
1906	69.9	97	35	3.25	5.44	0.57	.....	9	12	10	8
1907	66.5	93	30	4.41	7.10	2.00	.....	11	12	10	8
1908	65.9	99	24	0.95	2.54	0.26	.....	3	21	6	3
1909	63.7	95	28	2.74	8.75	0.63	.....	6	15	9	6
1910	68.4	97	32	3.59	6.04	0.59	.....	10	12	11	7
1911	68.8	100	32	4.67	8.30	1.80	.....	11	12	11	7
1912	65.6	98	30	3.85	9.18	1.13	.....	8	17	7	6
1913	64.2	100	25	2.85	6.35	0.86	.....	8	14	7	9
1914	63.2	97	24	1.58	5.65	0.17	.....	5	18	6	6
1915	67.6	100	31	3.54	7.18	2.00	.....	9	16	8	6
1916	65.0	99	27	3.71	7.58	1.01	.....	7	18	6	6
1917	62.4	98	25	2.79	6.62	1.16	T.	7	17	7	6
1918	60.5	93	24	2.92	4.73	1.37	T.	8	15	7	5
1919	66.0	93	31	2.11	4.37	0.12	.....	5	18	7	5
1920	66.7	96	34	3.14	5.38	1.31	.....	8	16	7	7
1921	70.9	97	39	4.76	9.07	1.65	.....	12	12	10	8
1922	67.2	100	25	2.14	5.64	0.10	.....	4	21	5	4
1923	66.5	96	29	3.31	5.36	1.00	.....	7	16	8	6
1924	60.7	100	26	5.96	8.97	2.80	T.	12	11	7	12
1925	70.9	102	34	2.29	5.89	0.50	.....	8	14	9	7
1926	68.6	98	31	5.35	10.57	1.44	.....	13	10	8	12
1927	67.0	100	24	2.15	5.29	0.23	.....	5	19	7	4
1928	61.3	100	24	2.71	6.45	0.81	T.	7	14	6	10
1891-1928	66.2	107	22	2.92	10.57	0.02	T.	7	15	8	7

Climatological Data for September, 1928

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	27	56.2	-3.8	87	10†	27	25	44	4.07	+0.32	1.67	T.	9	11	9	10	sw.	U. G. Clark
Brandywine	Pendleton	1,586	12	59.8	-4.2	90	12†	30	27	36	2.75	+0.07	......	0	6	20	0	10	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	39	......	......	......	......	......	......	......	4.61	+0.92	1.25	0	9	......	......	......	......	J. C. Newcomer
Martinsburg	Berkeley	435	36	62.6[a]	-3.5	90[a]	12†	35	27	39[a]	4.65	+1.78	1.40	0	10	24	3	3	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	32	64.6	-2.1	91	11†	34	27	36	4.27	+1.59	1.05	0	7	23	2	5	......	M. S. Henkel
Perry	Hardy	......	0	......	......	......	......	......	......	......	5.69	......	1.84	0	7	18	5	7	s.	W. R. Paddock
Piedmont	Mineral	1,053	15	61.2	-3.9	92	12	34	25†	37	2.02	-0.34	0.82	0	8	15	6	9	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	30	63.2[b]	-2.9	92[b]	12†	34[a]	25†	39[c]	4.53	+1.77	1.65	0	5	12	7	11	......	George E. Bergdoll
Stony River Dam	Grant	3,300	8	......	......	......	......	......	......	......	3.36	......	1.22	0	10	7	5	18	w.	A. C. Becker
Upper Tract	Pendleton	1,230	29	62.8[b]	-2.8	87[b]	10†	32[b]	26†	38	2.55	+0.16	0.90	0	7	20	0	10	w.	J. M. Mallow
Wardensville	Hardy	1,200	11	59.6	......	92	17	28	27	44	4.97	......	0.82	0	9	13[c]	4[c]	10[c]	......	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	4	......	......	......	......	......	......	......	2.68	......	0.98	0	6	10	10	10	w.	L. Else Bond
Alma (near)	Tyler	......	1	......	......	......	......	......	......	......	1.83	......	1.23	0	8	14	11	5	......	D. N. Furbee
Bens Run	Pleasants	652	26	63.8	-3.9	90	15	35	26	31	1.57	-0.78	1.06	0	5	16	10	4	......	J. D. Riggs
Benson	Harrison	1,080	5	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	R. D. Marts
Brownsville	Lewis	1,032	5	62.2	......	90	15	29	26	37	3.60	......	1.22	0	10	19	3	8	......	George M. Myers
Bruceton Mills	Preston	1,549	11	......	......	......	......	......	......	......	2.57	-0.95	0.98	0	7	4	19	7	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	31	59.0	-5.0	81	15	30	27	27	2.59	-0.54	0.90	0	7	17	6	7	......	H. A. Darnall
Cairo	Ritchie	680	29	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	O. C. Hess
Clarksburg	Harrison	1,015	6	61.4	......	91	10	31	26	36	1.82	......	1.11	0	7	15	7	8	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	17	......	......	......	......	......	......	......	1.45	-2.03	0.45	0	6	3	20	7	......	G. W. Harmon
Crawford	Lewis	1,107	5	......	......	......	......	......	......	......	2.69	......	1.02	0	9	18	7	5	w.	George W. Blair
Creston	Wirt	640	26	63.3	-3.9	92	14	29	26	38	1.88	-0.70	1.15	0	4	20	0	10	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	7	......	......	......	......	......	......	......	1.91	......	0.95	0	7	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	12	......	......	......	......	......	......	......	1.50	-2.24	0.90	0	7	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	12	......	......	......	......	......	......	......	1.38	-2.48	0.79	0	9	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	7	......	......	......	......	......	......	......	1.99	......	0.94	0	9	......	......	......	......	Lockmaster
Davis	Tucker	3,093	19	......	......	......	......	......	......	......	2.70	-1.07	0.65	0	9	13	5	12	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	16	......	......	......	......	......	......	......	2.33	-0.36	1.50	0	3	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	27	58.4	-4.6	84	10	33	26	32	2.34	-0.63	0.81	0	10	6	11	13	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	3	......	......	......	......	......	......	......	2.24	......	0.79	0	8	6	12	12	......	Claude A. Cunningham
Fairmont	Marion	883	22	62.6	-4.3	93	15	32	26	35	1.86	-1.03	1.20	0	7	13	9	8	w.	J. C. Robinson
Glenville	Gilmer	738	34	63.8	-3.9	91	15	30	26	37	2.92	-0.35	1.46	0	8	16	11	3	w.	Howard R. Brannon
Grafton	Taylor	1,000	35	59.6[a]	-6.8	90[a]	6	26	25	37[a]	1.32	-1.60	0.90	0	2	16	5	9	w.	Curtis Boice
Horner	Lewis	1,044	5	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	3	......	......	......	......	......	......	......	2.27	......	0.51	0	8	13	3	14	w.	J. W. White
Janelew (near)	Lewis	1,020	5	62.2	......	89	14†	29	25	36	1.63	......	0.78	0	4	19	3	8	sw	Dan Burkholder
Lost Creek	Harrison	1,026	30	60.9	-4.0	90	10†	27	26	40	2.19	-0.59	0.52	0	7	16	5	9	w.	Allen Smith
Mannington	Marion	985	25	58.8	-5.8	85	15	31	26	30	2.00	-1.17	0.76	0	10	14	8	8	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	35	61.4	-5.8	90	10†	32	26	33	1.54	-1.63	0.72	0	5	3	7	20	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	30	60.4[a]	-4.5	85[a]	10†	33	26	36	0.81	-2.27	0.53	0	5	11	11	8	s.	Geo. W. Deroum
New Martinsville	Wetzel	634	34	63.8	-2.6	92	10	32	26	35	1.55	-1.10	0.75	0	5	13	11	6	s.	Wm. Ankrom
Parkersburg	Wood	638	41	63.5	-3.8	89	14	38	26	33	1.67	-1.05	1.25	0	6	11	8	11	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	28	58.5	-4.4	86	16	32	25†	37	1.49	-1.03	0.35	0	6	18	3	9	......	J. W. Swisner
Parsons No. 2	Tucker	..	2	......	......	......	......	......	......	......	1.89	-1.23	0.42	0	9	17	5	8	......	Robert L. Deen
Philippi	Barbour	1,550	31	......	......	......	......	......	......	......	2.78	-0.36	0.80	0	7	......	......	......	......	H. F. Brittingham
Pickens	Randolph	2,697	25	55.6	-4.7	85	10	24	26	43	4.14	+0.21	1.04	0	10	19	2	9	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	5	......	......	......	......	......	......	......	2.42	......	1.01	0	9	19	3	8	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	41	......	......	......	......	......	......	......	1.69	-1.38	0.45	0	8	......	......	......	......	Walter H. Boiyard
Saint Marys	Pleasants	577	19	......	......	......	......	......	......	......	1.85	-0.65	1.50	0	4	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	27	55.4	-6.9	82	10†	30	25	36	1.88	-1.75	0.65	T.	10	4	13	13	sw.	J. J. Shanahan, E. M
Valley Chapel	Lewis	1,011	5	62.0	......	89	15†	30	26	37	2.11	......	0.96	0	6	16	7	7	sw.	J. C. Campbell
Vandalia	Lewis	1,120	5	......	......	......	......	......	......	......	1.96	......	0.87	0	5	......	......	......	......	Creed H. McCue
Wellsburg	Brooke	668	21	59.0	-5.2	87	15	30	28	46	1.46	-1.73	1.00	0	7	12	10	8	......	George P. Paster
West Milford††	Harrison	979	3	......	......	......	......	......	......	......	2.49	......	1.30	0	5	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	33	......	......	......	......	30[a]	26	......	3.10	+0.21	1.30	0	5	......	......	......	......	Weston State Hospital
Wheeling	Ohio	645	41	61.5	-3.9	93	9†	30	26†	49	1.58	-1.15	0.85	0	9	14	9	7	w.	Miss M. B. Forsyth
Woodlands	Marshall	637	1	......	......	......	......	......	......	......	0.98	......	0.81	0	3	11	11	8	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	2	......	......	......	......	......	......	......	3.18	......	0.99	0	10	18	2	10	w.	H. S. Sutton
Bancroft	Putnam	574	24	63.3	-5.0	90	14†	32	26	33	2.86	+0.07	1.33	0	6	20	0	10	ne.	R. E. Dent
Bluefield [1]	Mercer	2,558	33	60.4	-5.3	86	14	33	26	38	4.66	+2.00	1.64	0	8	13	5	6	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	13	......	......	......	......	......	......	......	4.30	+0.95	1.05	0	6	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	25	66.4	-3.7	98	15	33	26	37	2.58	-0.25	1.10	0	6	16	0	14	......	R. O. Fields
Clay	Clay	706	12	......	......	......	......	......	......	......	4.31	+0.85	1.85	0	10	......	......	......	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	2	......	......	......	......	......	......	......	2.19	......	[illegible]	0	5	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	12	......	......	......	......	......	......	......	1.91	-1.82	1.40	0	4	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	690	12	......	......	......	......	......	......	......	2.06	-1.26	1.22	0	4	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	1	......	......	......	......	......	......	......	1.42	......	0.91	0	4	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	12	......	......	......	......	......	......	......	2.03	......	0.93	0	6	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	12	61.7[a]	......	87[a]	15	32[b]	26	31	5.02	+1.57	1.96	0	13	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	31	63.4	-4.2	89	13†	34	26	33	4.55	+1.79	1.59	0	12	......	......	......	......	Mrs. M. L. McClung
Kanawha Falls	Fayette	618	9	......	......	......	......	......	......	......	4.14	......	2.40	0	8	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	12	......	......	......	......	......	......	......	4.58	+0.66	3.10	0	10	......	......	......	......	Cabin Creek Con. Coal Co
Kermit	Mingo	579	2	......	......	......	......	......	......	......	1.50	......	1.20	0	4	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	28	59.2	-4.9	83	15	31	27	32	3.74	+0.91	1.75	0	12	17	5	8	s.	Geo. T. Argabrite
Logan	Logan	700	25	......	......	......	......	......	......	......	3.85	+0.89	1.73	0	7	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	29	56.2	-5.2	80	10†	26	26	32	4.41	+1.31	1.28	0	11	7	15	8	sw.	S. L. Brown
Organ Cave	Greenbrier	......	2	......	......	......	......	......	......	......	6.45	......	1.55	0	10	16	1	13	w.	J. J. Hedrick
Point Pleasant	Mason	595	35	61.1	-5.1	100	15	30	26	39	1.17	-1.55	0.92	0	5	15	1	11	nw.	Miss Grace E. Henson
Powellton††	Fayette	904	34	60.0	......	96[c]	4	34[c]	17	35[c]	......	......	......	......	......	......	......	......	......	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	5	63.0	......	92	14	29	26	36	1.78	......	1.00	0	4	19	0	11	nw.	Lockmaster
Robertsburg	Putnam	570	28	63.1	-4.7	93	14	30	26	35	2.03	-0.28	0.87	0	7	16	0	14	......	M. Frazier
Ryan	Roane	706	25	60.8	-5.5	88	15†	25	26	37	3.72	+0.93	0.86	0	7	14	9	7	......	Wm. L. Ryan
Sharples	Logan	......	8	......	......	......	......	......	......	......	3.79	......	1.62	0	4	......	......	......	......	R. W. Howard
Spencer	Roane	789	24	57.9	-8.0	88	15†	38	26	41	2.33	-0.61	1.04	0	6	12	12	6	......	A. M. McKown
Sutton	Braxton	850	22	62.8	-7.3	91	14†	29	26	33	2.70	-0.46	0.65	0	9	21	0	9	......	C. B. Eakle
Union [2]	Monroe	2,250	24	61.8	-3.5	88	11	31	27	44	3.18	+0.55	1.32	0	8	11	7	7	......	W. M. H. Young
Wayne	Wayne	598	1	......	......	......	......	......	......	......	2.19	......	1.00	0	7	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier††	1,914	18	58.5[a]	-5.9	85[a]	13†	30	25	35[a]	6.15	+3.02	1.90	0	10	22	0	8	...	H. E. Green
Williamson	Mingo	673	28	66.6[a]	-2.7	92[a]	13†	39	25†	31[a]	3.04	+0.62	1.40	0	11	15	0	15	n.	A. J. Maynard
State averages and extremes				61.3	-4.5	100	15	24	26	49	2.71	-0.34	3.10	T.	7	14	6	10	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for September, 1928

Stations	Drainage basin	Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Panhandle Division																																
Bayard	Potomac			.28			.43	.07							.11		.13				1.67	.81			T.	T.				[illegible]		[illegible]
Brandywine	do			.40			.40									T.					1.16					T.						[illegible]
Harpers Ferry	do			.10	.73		1.25	.22											.21	.90	[illegible]						[illegible]					[illegible]
Martinsburg	do			.15	.65		.75	.50												.22	1.40	.20					[illegible]				[illegible]	[illegible]
Moorefield	do			[illegible]			.67								.08	1.05																[illegible]
Pe[illegible]	do			[illegible]			.49							T.							1.56											[illegible]
Piedmont	do			.20			.40	.02						.02		.11	.03									T.						[illegible]
Romney	do						1.03																									[illegible]
Stony River Dam	do			.20			.08	.04							.10		.15				1.22	.04					.13					[illegible]
Upper Tract	do			.10			.30							T.		.10			.50	.80	T.											[illegible]
Wardensville	do			.73			.81	.60									.65				.52	T.	.40			T.	.11			.20		[illegible]
Northern Division																																
Aberdeen	Monongahela			.85			T.									.22				.25	.18					T.					.23	[illegible]
Alma (near)	Ohio			.02										.05		.02				.77	[illegible]					.06						1.53
Bens Run	do																			.07	1.06					.01					.64	1.57
Benson	Monongahela																															
Brownsville	do			.96	.02		.06	T.						.16	.36	.08	T.			.25	1.22									.19	.32	[illegible]
Bruceton Mills	do			.39			.07							.16							.27					T.				.20		[illegible]
Buckhannon	do			.35		T.	.04							.21		.03				.34	.90					T.		T.		.22		[illegible]
Cairo	Little Kanawha																															
Clarksburg	Monongahela			.34											.06		.12				.11	.01					.02					1.82
Cortland	do			.15				.25								.30										.15				.20		1.15
Crawford	Little Kanawha			.28		.62										.23				.45	1.62					.02		.04		.25		[illegible]
Creston	Monongahela			.11																	1.15	.16										1.88
Dam 10, Mon. R.	Ohio			.25	.08			.03													.95	.08					.11					1.51
Dam 12, O. R.	do				.17		T.	.13							.05		.12				.90	.08				T.						1.50
Dam 13, O. R.	Monongahela				.01		.06	.05									.65				.79	.12				.01						[illegible]
Dam 15, Mon. R.	do			.30			.13								.28		.12			.02	.94	.09				.03						[illegible]
Davis	do			.25	T.		.58	.02							.35		.20			.16	.15	.02										2.70
Elizabeth (D'm 3 L. K.	Little Kanawha																				1.50	.23				T.					.06	2.33
Elkins *	Monongahela		.27	.29		.01	.29							T.		T.				.06	.18					.01		.02	T.	.22	.59	2.34
Evenwood	do			.10			.26							.11						.79	.46					.06		T.		.27	.19	2.24
Fairmont	do			.27			T.	T.							.03		.10			T.	1.20	.01				T.	.02				.20	1.86
Glenville	Little Kanawha			.56			.14								.06		T.				1.46	.06				.02		.04			.68	2.92
Grafton	Monongahela			.12			T.						T.						T.	T.	.90											1.32
Hosner	do																															
Horton	do			.13	T.		.35									.29				.51	.50					T.		.05		.21	.33	2.27
Kanelew (near)	do			.78																.15	.60									.10		1.63
Lost Creek	do			[illegible]										T.	T.	.11				.46	.52					.04				.07	.20	2.19
Mannington	do			T.			.01							.15		.09	.01	.07		[illegible]	.70					.15				.09	.15	[illegible]
Morgantown	do			T.			.30							[illegible]						.72	.30	T.				T.				T.	.12	[illegible]
New Cumberland	Ohio							.15													.53	.08				[illegible]					.02	0.81
New Martinsville	do													.05						.45	[illegible]									.10	.20	[illegible]
Parkersburg ***	do			.02											T.	.16				.02	.74					.03				.26		[illegible]
Parsons	Monongahela			T.		.25	.30								[illegible]				.23	T.	.20									.10		1.19
Parsons No 2	do			.29			.26							.15		[illegible]				[illegible]	[illegible]					.08				.12	.30	[illegible]
Philippi	do			.49		T.	.05								[illegible]		[illegible]			[illegible]	[illegible]	T.										[illegible]
Pickens	do			.35			.33								.24	.59				1.04	[illegible]					.11		.15		.28	[illegible]	4.14
Roanoke	do		.30				.02								.05					[illegible]	1.01					.02		.03		.20	.50	2.42
Rowlesburg	do			.22			.06								.24		.22				.15	.04					.09				.37	1.69
Saint Marys	Ohio																				1.50	.15					.05				.15	1.85
Terra Alta	Monongahela			.22			.07							.07		.31	.01			.44	.21				T.	.13	T.			.11	.31	1.88
Valley Chapel	do	.09		.02																[illegible]	.96									.15	.12	2.34
Vandalia	do														.12					.87	.45									.42	.10	[illegible]
Wellsburg	Ohio			.05			.12									.07				.40	[illegible]					T.				.08	.14	1.46
West Milford	Monongahela			.42																1.50		.15					.10				.22	2.13
Weston	do			.80											.20					1.50	[illegible]											[illegible]
Wheeling	Ohio				.02		.05	.07							.20		.21				.55	.13				.01	T.				.66	1.58
Woodlands	do																.09				.81									.06	.18	0.95
Southern Division																																
hovale	Great Kanawha		.04	.15				[illegible]								.15					.31	.78	.08					.05		.69	.90	3.18
ueroti	do			.28													.22				1.35	.05						.10			.55	2.86
uefield	do	.81			.22	.41	.06											.38		1.61	.87									.27		1.66
enden-on-Gauley	do			.40	[illegible]									.22			1.00				.88	1.05										4.30
arleston	do	.01		.76													.12				1.10							.06			.50	[illegible]
ay	do			.78	.01		.01								.49		.05			.06	[illegible]	.04						.05			.94	4.31
am 6 G. K.	do			.40													.15				1.06							.07			.57	2.19
m 19 O. R.	Ohio																T.				1.40	.10				T.				.04	.40	1.94
m 20 O. R.	do																T.				1.22	.15				T.		T.		.12	.62	2.06
m 25 O. R.	do																				.91							.04		.02	.45	1.42
m 26 O. R.	do	.02															.10				.55							.10		.05	.93	2.03
ry	Big Sandy	.50	.22	.22	.01		.51	.01									.25			.28	1.96	.08							.02	.31	.62	5.02
aton	do	.55	.13	.20			.58	.01									.20			.05	1.59	.06						.04		.01	.50	4.55
aw[illegible] Falls	Great Kanawha	.55		.55			.66										.50				2.40							.05	.03		.36	4.14
[illegible]	do	.21		.45			.08										.04			.18	.10	.05						.05	.04		.39	1.58
mit	Big Sandy				.12												.05				1.20										.40	1.80
isburg	Great Kanawha	.17	.06	.17		.20	.16										.15			1.75	.50	.03				T.		.05		.09	.38	3.74
gan	Guyandotte	.30		1.28	.06															T.	1.70	.93						.05		[illegible]	.40	3.88
inton	Great Kanawha		[illegible]	.38		.12	.36									.76				1.25	.44		.06		T.			.22		.02	.08	4.41
an Cave	do	.40	[illegible]			.50	[illegible]	.30											1.85	.90	.45	.25								.20		[illegible]
nt Pleasant	Ohio																.05				.92					T.	T.	.04		.06	.10	1.17
elton	Great Kanawha																															
enswood (Dam 22)	Ohio																				1.00	.35					.01			T.	.42	1.78
ertsburg	Great Kanawha	.03													.11		.12				.57	.04						.14			.72	2.03
n	do			.52										.54		T.				.80	.50					T.		.05		.75	.20	3.72
ples	Coal River			1.55			T.										.20			T.	1.62									.62		3.79
ncer	Great Kanawha	T.		.19											.21		[illegible]				1.01	.09								.65		2.33
ton	Gauley			.55			.15										.15		.10	.65	.20							.15		.30	.45	2.70
on	do	.55		.52		.07										.06		.27		1.32	.50					T.				.09		3.18
yne	Big Sandy	.02		.02										.55							1.00	.01						.12			.47	2.19
te Sulphur Spgs	Great Kanawha	.70	1.10			.55	.40									.10				.90	1.90	.10					.05			.55		6.15
liamson	Big Sandy	.17	.05	.25	.04		.01										.15				1.28	.12								.05	.55	[illegible]

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

|| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for September, 1928

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	71	77	76	74	64	57	71	76	77	87	87	84	80	84	85	87	82	73	56	54	74	73	67	60	54	51	56	60	59	51	....	70.2
	Minimum	45	43	57	47	36	48	48	44	36	43	48	44	51	51	48	51	44	41	44	48	45	41	31	33	27	32	28	38	34	42	....	42.3
Brandywine	Maximum	75	72	85	75	72	60	68	72	75	85	84	90	89	87	86	88	90	72	55	60	60	65	64	57	60	57	55	59	54	50	....	70.7
	Minimum	58	55	54	50	48	52	50	52	48	60	53	54	53	57	55	57	58	55	46	48	50	54	45	37	32	32	30	37	40	47	....	48.9
Martinsburg§	Maximum	74	75	85	75	67	60	71	76	88	86	86	90	90	88	85	89	90	66	62	66	79	73	75	60	61	56	67	68	58	....	....	74.7
	Minimum	52	47	52	60	50	50	51	52	49	55	55	55	57	56	55	60	57	56	51	50	55	54	42	44	36	40	35	40	46	48	....	50.4
Moorfield	Maximum	77	79	88	81	79	65	75	80	86	90	91	91	91	91	91	89	88	81	62	64	80	75	76	67	65	65	64	72	65	66	....	77.8
	Minimum	54	51	61	52	52	53	56	58	54	54	55	55	58	61	56	62	59	57	50	54	52	53	44	41	35	35	34	37	48	48	....	51.3
Piedmont	Maximum	76	79	83	78	68	67	72	80	87	88	88	92	87	91	81	81	83	66	56	58	73	71	66	56	57	53	58	62	51	58	....	72.2
	Minimum	52	52	62	51	47	53	55	59	50	55	58	58	59	54	55	61	55	52	50	56	52	45	44	42	34	39	34	38	46	40	....	50.3
Romney	Maximum	75	82	86	77	66	72	77	77	88	91	90	92	90	92	92	89	75	....	59	62	80	74	71	59	65	61	65	68	54	....	....	76.0
	Minimum	51	51	60	54	46	52	55	57	49	54	54	54	58	55	54	60	56	53	....	55	52	51	41	42	34	40	34	44	46	47	....	50.3
Upper Tract	Maximum	81	81	78	77	70	68	70	85	....	87	87	87	87	86	85	86	85	78	76	75	79	....	79	70	65	61	66	66	65	65	....	76.6
	Minimum	55	54	51	50	48	47	48	56	....	52	53	55	54	58	56	57	57	55	54	54	47	....	41	42	34	32	32	36	47	46	....	49.0
Wardensville	Maximum	79	80	75	68	65	64	68	69	84	87	89	90	91	90	89	88	92	78	76	81	78	80	71	63	52	62	64	60	67	68	....	75.6
	Minimum	50	42	45	46	45	44	50	50	45	43	49	50	51	45	50	50	50	51	48	49	46	43	42	38	29	33	28	32	31	34	....	43.6
Northern Division																																	
Bens Run	Maximum	76	82	68	73	72	75	74	80	86	89	85	86	85	89	90	86	83	64	59	58	77	72	68	61	64	61	64	68	59	66	....	74.0
	Minimum	51	63	65	57	49	58	56	59	55	60	60	62	63	62	67	64	58	54	51	53	51	46	45	39	49	35	38	38	51	53	....	53.7
Buckhannon	Maximum	70	75	73	68	66	65	70	70	75	78	77	78	78	80	81	78	76	63	55	67	70	66	61	61	57	52	56	60	59	56	...	68.0
	Minimum	53	50	63	52	48	58	56	49	48	51	54	53	57	64	62	58	55	53	48	50	50	51	41	39	35	33	30	39	50	50	...	50.1
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Clarksburg §	Maximum	79	85	78	72	71	70	75	80	85	91	85	87	83	89	90	88	84	61	65	59	77	72	66	55	60	59	61	67	58	59	....	73.7
	Minimum	49	50	55	48	46	53	53	52	51	55	54	57	57	60	60	59	55	53	50	49	50	45	40	37	36	31	33	36	44	51	...	49.0
Creston	Maximum	77	82	80	79	79	78	81	83	89	87	88	90	88	92	90	91	89	76	61	60	78	77	75	65	64	63	65	67	63	68	....	77.5
	Minimum	52	51	61	49	45	58	56	52	52	53	54	57	57	54	63	58	53	50	50	50	47	46	40	31	37	29	35	42	43	47	....	49.1
Elkins	Maximum	73	75	76	65	63	64	70	72	78	84	79	81	80	82	83	82	79	59	55	56	75	65	62	49	58	52	56	60	54	54	....	68.0
	Minimum	53	49	60	48	46	54	53	50	49	52	53	53	55	62	59	57	54	52	49	50	48	44	41	34	34	33	36	40	47	48	....	48.8
Fairmont§	Maximum	78	83	81	75	75	70	77	79	86	91	88	89	81	86	93	88	85	62	55	59	79	73	70	55	62	64	65	68	58	59	...	74.6
	Minimum	56	52	55	51	47	52	53	53	51	56	56	58	62	58	62	61	54	51	50	50	54	46	43	41	39	32	38	38	47	50	....	50.5
Glenville	Maximum	80	83	83	76	75	77	80	81	84	90	86	88	88	90	91	90	89	79	60	60	80	78	74	69	66	63	65	70	59	61	....	77.2
	Minimum	53	53	61	50	47	58	60	53	52	55	55	58	57	66	62	60	56	52	49	50	47	45	41	32	35	30	33	37	48	51	...	50.4
Grafton	Maximum	85	72	73	75	72	90	74	76	87	85	84	81	83	85	80	75	70	60	68	75	70	70	52	55	52	58	66	55	58	....	....	71.9
	Minimum	49	50	55	46	50	55	49	49	50	60	54	53	59	58	60	57	52	48	47	50	42	36	38	32	26	30	32	48	50	36	....	47.4
Grafton	Maximum	78	84	80	74	70	70	76	80	88	90	85	88	86	88	90	89	80	68	56	55	78	74	70	58	62	62	62	67	59	59	....	74.2
	Minimum	47	47	62	45	42	56	50	49	48	53	51	52	56	60	60	58	50	51	45	50	49	44	38	34	33	27	33	31	49	51	....	47.6
Mannington	Maximum	71	77	76	69	70	67	71	73	78	82	79	81	79	79	85	79	79	64	57	56	71	63	64	55	54	55	59	62	57	58	...	69.1
	Minimum	48	47	64	46	42	56	52	50	50	56	54	56	58	56	59	59	51	51	49	53	49	43	39	37	36	31	34	33	48	50	. .	48.6
Morgantown	Maximum	74	82	79	73	71	69	74	76	80	90	85	83	85	85	90	86	84	65	59	58	75	70	64	62	59	59	64	64	58	59	..	72.9
	Minimum	50	49	62	51	47	43	51	43	50	58	59	57	65	56	67	60	55	48	47	50	53	45	45	40	33	32	40	39	49	48	....	49.9
New Cumberland§	Maximum	74	81	76	71	74	66	71	79	81	88	[illegible]	81	81	82	78	87	71	67	61	61	76	63	64	57	61	58	64	65	62	....	....	72.3
	Minimum	48	48	53	50	45	48	56	49	52	54	58	69	66	53	55	51	54	46	48	51	55	41	47	41	41	33	35	35	41	43	....	48.5
New Martinsville	Maximum	79	85	80	76	75	77	76	82	88	92	88	90	86	91	89	91	84	66	61	58	78	75	72	62	66	65	65	70	59	67	....	76.4
	Minimum	56	50	64	48	48	58	54	54	53	59	66	61	61	60	59	62	56	50	51	53	49	44	43	37	39	32	37	37	49	52	...	51.4
Parkersburg	Maximum	75	79	76	74	71	75	74	80	85	88	87	89	84	89	88	86	82	62	55	60	77	69	67	56	64	61	64	67	56	65	...	73.4
	Minimum	55	51	60	52	49	60	57	55	53	58	62	64	67	65	69	58	57	53	51	55	54	50	48	40	41	38	43	40	52	50	....	53.6
Parsons	Maximum	79	78	75	73	66	67	72	76	78	84	79	78	79	79	82	89	79	65	55	56	59	60	75	64	60	61	60	62	60	58	...	70.2
	Minimum	58	52	50	47	46	47	55	54	53	52	52	53	53	53	53	57	53	50	50	43	36	37	35	38	32	33	32	40	46	38	....	46.8
Pickens	Maximum	73	77	76	65	62	61	73	72	79	85	80	82	80	82	80	84	80	64	54	52	74	70	64	52	55	56	57	64	55	52	....	68.8
	Minimum	45	43	54	39	39	50	54	45	42	42	46	45	47	54	57	52	50	45	41	4	38	38	37	33	26	24	27	29	41	43	...	42.3
Terra Alta	Maximum	72	72	71	65	62	55	68	71	78	82	82	79	75	82	81	80	76	62	50	54	70	65	62	54	52	50	52	57	59	47	....	65.2
	Minimum	43	42	58	45	39	48	51	48	42	47	46	47	54	49	52	56	46	47	46	[illegible]	50	42	33	36	[illegible]	31	35	39	38	43	...	44.7
Wellsburg	Maximum	78	80	75	70	71	64	72	76	86	86	85	86	81	86	87	87	81	64	58	58	75	69	63	57	59	56	63	63	60	62	....	71.7
	Minimum	44	46	59	43	41	50	54	50	40	54	45	50	60	51	58	49	49	41	46	53	48	40	42	49	[illegible]	31	34	30	45	46	...	46.2
Weston	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	89	84	83	79	58	55	70	72	70	60	60	60	58	65	68	64	...	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	60	59	54	42	45	48	50	49	46	35	35	30	35	39	40	50	...	....
Wheeling§	Maximum	91	85	84	80	78	69	76	84	95	92	88	90	80	85	91	93	85	66	61	60	80	76	71	61	64	65	69	70	60	67	....	76.1
	Minimum	42	47	59	44	44	45	51	50	49	52	54	58	60	53	55	50	54	46	47	49	49	40	42	36	39	30	35	39	32	45	...	45.9
Southern Division																																	
Bluefield	Maximum	65	....	...	76	68	68	74	74	....	84	82	81	80	86	84	....	82	74	55	57	76	72	....	68	60	59	60	67	66	....	....	71.6
	Minimum	58	...	..	50	54	53	49	53	....	46	55	59	57	59	65	....	60	53	44	44	41	53	...	36	34	33	35	33	50	...	...	49.2
Charleston§	Maximum	84	84	84	84	70	76	80	84	90	91	90	92	95	95	98	96	91	66	58	62	82	84	76	64	70	79	68	78	65	68	...	80.0
	Minimum	59	58	58	53	52	53	58	58	58	55	60	60	62	62	68	63	62	58	50	52	50	50	45	36	35	33	35	41	41	51	...	52.9
Gary §	Maximum	66	74	81	72	64	72	79	79	83	85	82	82	84	86	87	85	84	61	52	60	....	76	67	55	63	59	60	68	65	63	...	72.2
	Minimum	62	58	61	53	54	55	57	57	53	51	52	55	57	58	62	63	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	51.2
Hinton	Maximum	64	65	85	75	63	79	79	82	84	86	85	87	89	89	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	73.7
	Minimum	63	59	60	63	57	56	57	57	54	53	54	57	60	61	63	65	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	53.1
Lewisburg	Maximum	65	60	76	72	66	66	75	76	78	80	79	80	[illegible]	82	83	81	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	69.3
	Minimum	58	52	58	49	50	53	55	49	46	51	52	53	54	55	61	61	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	49.1
Marlinton	Maximum	62	58	72	56	56	60	68	70	78	80	76	75	75	80	78	76	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	64.9
	Minimum	54	52	48	44	50	50	52	50	48	52	58	58	58	58	66	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	47.6
Point Pleasant	Maximum	85	80	75	71	70	80	75	82	89	89	96	90	90	98	100	98	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	78.8
	Minimum	50	50	50	45	45	55	55	50	50	51	60	60	60	70	76	69	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	49.4
Powellton	Maximum	80	....	83	90	86	81	78	79	73	80	75	73	85	86	76	75	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	74.6
	Minimum	52	....	53	60	58	51	49	51	57	55	43	48	52	51	40	35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	45.4
Ravenswood	Maximum	77	78	78	76	73	80	78	81	78	87	87	87	90	92	91	91	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	76.2
	Minimum	52	50	52	47	41	58	58	52	50	54	57	58	62	63	67	59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	49.8
Robertsburg§	Maximum	77	81	77	78	72	72	79	82	85	89	88	89	91	93	89	90	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	76.1
	Minimum	54	53	60	49	46	57	54	56	50	55	57	60	59	63	67	59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	50.7
Ryan	Maximum	75	75	74	72	67	70	55	80	84	85	85	86	89	85	85	88	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	73.9
	Minimum	52	50	62	52	45	56	54	51	[illegible]	50	50	58	55	54	62	56	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	47.8
Spencer §	Maximum	75	77	76	71	68	73	75	76	[illegible]	85	85	85	85	87	88	88	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	72.5
	Minimum	41	40	52	42	41	45	46	41	40	44	45	45	47	53	55	50	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	45.3
Sutton	Maximum	78	78	71	71	70	72	77	82	[illegible]	84	84	85	85	91	91	90	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	74.8
	Minimum	57	59	61	51	49	58	57	52	51	55	56	58	57	64	62	61	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	50.9
Union	Maximum	67	....	79	79	75	68	78	85	....	87	88	87	86	86	87	....	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	75.5
	Minimum	59	....	44	50	51	55	55	41	....	46	55	55	54	57	62	....	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	48.0
White Sulphur Spgs§	Maximum	64	80	72	58	65	71	78	80	83	83	83	83	85	85	83	80	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	71.2
	Minimum	55	57	50	50	49	50	49	49	50	50	51	51	51	51	52	52	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	45.8
Williamson §	Maximum	81	81	80	76	66	74	84	84	85	86	87	88	92	92	91	95	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	...	76.8
	Minimum	62	57	58	56	57	58	59	63	64	64	67	67	67	68	70	64	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	52	42	43	39	39	45	42	49	54	...	56.4

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.122	.129	.140	.144	.178	.066	.078	.089	.129	.142	.165	.109	.163	.090	.096	.142	.200	.233	.123	.055	.010	.166	.156	.144	.111	.076	.100	.111	.100	.003	....	3.570
	Wind movement	45	34	18	27	54	31	32	26	24	21	23	17	28	35	12	31	52	56	135	88	19	44	30	71	62	66	44	60	28	36	....	1,249

(WBO, Cleveland, 10-23-28—850)

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

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Y10E

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVI Parkersburg, W. Va., October, 1928 No. 10

GENERAL SUMMARY

October was somewhat warmer and considerably drier than usual. The first two decades were especially warm. High temperature occurred on three or four days. The rainfall was unimportant until the 17th, but moderate and well distributed showers occurred on several days after that date. There were no excessive rains. The snowfall was unimportant, except in a few localities of high altitude. The conditions were favorable for picking and packing apples and for late farm work. Pastures were in fair condition until the middle of the month.

TEMPERATURE

The monthly mean for the State, determined from 45 stations, was 56.7°. The departure from the normal for 37 stations having ten or more years of record was +1.6°. The month opened cool, but warm weather set in on the 4th and continued until the 20th. From the 20th to the close of the month the weather was cool, except the 22d and 23d, with the lowest temperature general on the 30th, when the morning readings ranged gener-
lly from 15° to 30°. The highest temperature occurred gener-
lly on the 12th and 17th.

PRECIPITATION

The average precipitation for the State, determined from 84
tations, was 1.98 inches. The departure from the normal for
5 stations having ten or more years of record was —0.97
nch. The precipitation was somewhat the heaviest over the
outhern and central counties and was the lightest over the
xtreme eastern counties. Most of the precipitation was
eceived on the 5th, 9th, 13-14th, 17-19th, and 28th, the great-
st amounts being measured on the 18th and 23d. In the
igher altitudes of the State snow flurries or light snow were
oted daily in sections from the 25th to the 30th. The snow
elted at most stations as fast as it fell, but the following
mounts were measured: Cortland, 3.0 inches; Horton. 1.1
ches; Stony River Dam, 3.0 inches.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 6th; Bancroft, 1st, 4th, 6th, 10th,
th, 13th, 15th, 21st, 22d, 24th, and 26th; Clarksburg, 1st,
, 4th, 6th, 8th, 10th, 12th, 15th, and 21st; Elkins, 1st, 3d,
h, 7th, 8th, 10th, 11th, 13th, 19th, and 21st; Fairmont,
h, 10th, and 21st; Grafton, 2d to the 6th; Hinton, 2d, 4th,
h, 8th, 9th, 11th, 12th, 14th, 19th, 21st, and 30th; Mann-
gton, 1st, 4th, 6th, 7th, 8th, 12th, 15th, and 21st; Marlin-
, 4th, 6th to the 8th, 10th to the 14th, and from the 19th
the 22d; Parkersburg, 1st and 6th; Terra Alta, 4th to the
, 12th, 14th, 15th, 23d, 24th, and 28th; Wheeling, 1st, 3d,
, 6th, 8th, 10th, 11th, 12th, 15th, 21st, 22d, 27th, 30th,
31st.

Hail, light: Buckhannon, 9th.

Sleet: Bayard and Terra Alta, 24th; Mannington and Terra Alta, 25th; Terra Alta, 26th.

Thunderstorms (dates and number of stations reporting): 5th, 2; 6th, 1; 7th, 1; 8th, 3; 9th, 9; 17, 2; 18th, 2; 19th, 1; 25th, 1; 27th, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity: Miles per hour	Max. velocity: Direction	Max. velocity: Date
Cincinnati, Ohio	30.13	84	51	63	227.9	66	4,283	5.8	22	s.	22
Columbus, Ohio	30.13	82	55	59	172.8	50	6,541	8.8	35	w.	24
Elkins	30.19	92	57	78	176.6	51	3,008	4.0	20	w.	25
Lexington, Ky	30.16	79	54	....	217.7	63	8,627	11.6	30	sw.	17
Parkersburg	30.16	81	52	70	171.9	50	3,292	4.4	24	nw.	25
Pittsburgh, Pa	30.14	80	56	62	173.4	50	6,578	8.8	34	nw.	24
Wytheville, Va	30.17	87	60	78	192.0	55	2,896	3.9	22	w.	25

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	51.5	95	21	1.97	2.91	T.	......	7	......	......	......
1892	52.6	89	24	0.83	1.45	0.21	......	4	......	......	......
1893	54.1	86	16	4.74	7.22	1.00	......	5	21	6	4
1894	54.4	88	22	2.32	3.85	1.17	T.	7	16	8	7
1895	48.1	89	8	1.29	2.25	0.16	T.	5	22	5	4
1896	51.0	82	20	2.08	4.37	0.45	T.	7	14	9	8
1897	58.2	95	22	0.53	2.27	0.07	0	3	18	7	6
1898	55.6	95	19	4.84	8.50	2.48	T.	11	11	10	10
1899	56.8	91	19	1.42	3.81	0.23	0	5	15	7	9
1900	60.9	97	24	2.33	4.80	1.15	0	5	16	8	7
1901	54.3	86	19	0.54	1.95	0.12	0	3	19	6	6
1902	56.5	87	17	2.63	5.50	0.90	T.	6	16	8	7
1903	54.2	96	15	2.55	4.75	0.80	T.	6	17	7	7
1904	54.5	92	16	1.59	3.02	0.37	T.	5	18	8	5
1905	54.2	95	19	4.71	8.26	2.46	T.	6	13	8	10
1906	54.5	86	12	3.09	8.15	1.64	1.3	12	11	6	14
1907	50.3	87	19	2.65	5.12	0.54	0.1	7	15	9	7
1908	55.1	91	16	1.60	6.88	0.33	T.	5	18	7	6
1909	50.0	88	14	2.79	5.27	0.60	0.1	7	16	7	8
1910	58.1	95	15	1.85	2.96	0.80	0.7	6	18	7	6
1911	56.3	88	23	5.28	9.65	3.27	0	11	12	7	12
1912	55.5	93	20	1.34	3.10	0.20	T.	4	18	7	6
1913	54.5	92	12	4.50	8.11	1.78	0.3	11	12	6	13
1914	57.3	91	14	2.94	6.72	1.37	T.	9	12	8	11
1915	56.6	89	20	4.11	5.55	0.71	T.	6	17	7	7
1916	54.1	97	16	2.38	4.35	0.91	T.	7	19	5	7
1917	49.2	89	16	4.35	6.49	1.18	5.5	10	15	6	10
1918	58.2	89	24	3.68	7.53	1.59	T.	8	15	7	9
1919	62.3	102	28	5.84	11.88	2.13	0	14	9	7	15
1920	57.5	90	21	1.15	2.53	0.10	0.1	4	22	4	5
1921	53.7	88	21	2.48	5.76	0.30	0.1	8	18	5	8
1922	55.4	93	18	2.45	4.81	0.39	T.	6	19	5	7
1923	52.1	93	12	1.39	2.41	0.65	T.	6	19	5	7
1924	54.6	87	14	0.40	1.28	0.00	T.	2	23	4	4
1925	49.3	86	14	7.30	13.08	2.19	4.3	16	5	7	19
1926	54.9	92	20	4.79	8.74	1.04	0.3	12	10	8	13
1927	57.0	100	21	4.13	11.10	1.14	0.4	8	19	4	8
1928	56.7	94	12	1.98	3.26	0.58	0.1	7	14	7	10
1891-1928	54.7	102	8	2.81	13.08	0.00	0.4	7	16	7	8

Climatological Data for October, 1928

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	27	51.6	+2.8	85	17	14	30	48	2.66	-0.79	1.17	T.	7	17	4	10	w.	U. G. Clark
Brandywine	Pendleton	1,586	12	55.2	+1.8	88	12†	15	31	43	1.55	-0.37	0.65	0	5	21	0	10	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	39	.....	.....	.....	.....	.....	.....	.....	1.44	-1.25	0.47	0	5	.....	.....	.....	.....	J. C. Newcomer
Martinsburg	Berkeley	435	36	56.4[a]	+1.8	90[a]	13	22	30†	45[a]	1.58	-0.98	0.75	T.	6	16	11	4	w.	Dr. H. S. Gardner
Moorefield [g]	Hardy	900	32	58.4	.....	90	17	15	30	47	0.84	-1.34	0.42	0	.....	21	0	3	.....	M. S. Henkel
Perry	Hardy	.....	0	.....	.....	.....	.....	.....	.....	.....	0.58	.....	0.51	0	4	10	14	7	w.	W. R. Paddock
Piedmont	Mineral	1,053	15	54.0	+0.5	83	16	21	30	39	0.59	-2.21	0.26	0	6	17	8	6	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	30	56.8[b]	+1.6	90[b]	12†	20[b]	30	51[d]	0.91	-1.47	0.43	0	3	14	6	11	.....	George E. Bergdoll
Stony River Dam	Grant	3,300	8	.....	.....	.....	.....	.....	.....	.....	2.53	.....	0.55	3.0	10	10	5	16	w.	A. C. Becker
Upper Tract	Pendleton	1,230	29	55.1	-0.3	85	13	16	30	42	0.95	-1.05	0.40	0	4	21[a]	0[a]	9[a]	.....	J. M. Mallow
Wardensville	Hardy	1,200	11	58.6[j]	.....	88[j]	11	15[j]	30	54[k]	1.15	.....	.....	0	.....	.....	.....	.....	.....	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	4	.....	.....	.....	.....	.....	.....	.....	1.85	.....	0.68	T.	8	9	15	7	w.	L. Else Bond
Alma (near)	Tyler	.....	1	.....	.....	.....	.....	.....	.....	.....	1.99	.....	1.13	0	9	12	12	7	.....	D. N. Furbee
Bens Run	Pleasants	652	26	58.8	+2.1	86	4†	25	30	39	2.41	-0.70	1.12	0	7	16	10	5	.....	J. D. Riggs
Benson	Harrison	1,080	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. D Marts
Brownsville	Lewis	1,032	5	57.2	.....	88	17	17	30	46	1.96	.....	0.62	0	9	18	5	8	.....	George M. Myers
Bruceton Mills	Preston	1,549	11	.....	.....	.....	.....	.....	.....	.....	1.89	-1.98	0.65	T.	8	5	9	17	sw.	W M. Wolf
Buckhannon	Upshur	1,411	31	54.6	+1.2	81	17	21	30	34	2.52	-0.94	0.80	0	6	17	6	8	.....	H. A. Darnall
Cairo	Ritchie	680	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	O C. Hess
Clarksburg	Harrison	1,015	6	56.1	.....	89	17	19	30	46	2.11	.....	0.63	T.	10	13	8	10	w.	Clarksburg Water Board
Cortland	Tucker	3,300	17	.....	.....	.....	.....	.....	.....	.....	1.84	-1.52	0.40	3.0	8	11	16	4	.....	G. W. Harmon
Crawford	Lewis	1,107	5	.....	.....	.....	.....	.....	.....	.....	2.01	.....	0.66	0	6	18	10	3	w.	George W. Blair
Creston	Wirt	640	26	59.0	+3.2	88	11†	24	30	47	2.83	-0.18	1.00	0	7	21	0	10	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	7	.....	.....	.....	.....	.....	.....	.....	1.32	.....	0.45	0	6	.....	.....	.....	.....	Lockmaster
Dam 12 O. R.	Ohio	660	12	.....	.....	.....	.....	.....	.....	.....	2.10	-1.10	1.05	0	7	.....	.....	.....	.....	Lockmaster
Dam 13 O. R.	Ohio	655	12	.....	.....	.....	.....	.....	.....	.....	1.87	-1.19	0.85	0	10	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	7	.....	.....	.....	.....	.....	.....	.....	1.56	.....	0.43	0	12	.....	.....	.....	.....	Lockmaster
Davis	Tucker	3,093	19	.....	.....	.....	.....	.....	.....	.....	2.33	-1.82	0.48	T	11	10	8	13	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	16	.....	.....	.....	.....	.....	.....	.....	1.51	-1.24	1.16	0	3	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,947	27	52.3	+2.1	84	17	17	30	41	1.71	-0.71	0.54	T.	12	5	11	15	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	3	.....	.....	.....	.....	.....	.....	.....	1.41	.....	0.42	T.	8	4	18	9	s.	Claude A. Cunningham
Fairmont	Marion	883	22	57.5	+2.6	90	12†	21	30	46	1.52	-1.34	0.43	0	8	11	11	9	w.	J. C. Robinson
Glenville	Gilmer	738	34	59.6	+3.6	91	17	17	30	17	2.38	-0.67	0.64	0	10	14	11	6	w.	Howard R. Brannon
Grafton	Taylor	1,000	35	55.1[c]	-0.5	88[c]	16	.....	.....	48[c]	1.55	-1.59	0.67	0	4	10[b]	11[b]	8[b]	w.	Curtis Boice
Horner ††	Lewis	1,044	5	.....	.....	.....	...	.....	.....	.....	3.26	.....	0.65	0	6	.....	.....	.....	.....	Foster R. Hardman
Horton	Randolph	2,840	3	.....	.....	.....	.....	.....	.....	.....	2.02	.....	0.45	1.1	10	13	0	18	w.	J. W. White
Janelew (near)	Lewis	1,020	5	58.5	.....	89	17	16	30	47	1.70	.....	0.60	0	6	20	5	6	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	30	57.2	+2.4	89	11†	15	30	51	2.02	-0.71	0.74	0	10	12	7	12	w.	Allen Smith
Mannington	Marion	985	25	55.4	+0.9	86	17	18	30	41	2.08	-0.86	0.74	0	11	12	10	9	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	35	58.4	+2.9	88	4	21	30	35	1.65	-1.49	0.50	0	5	0[b]	5[b]	24[b]	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	30	56.1[a]	+1.6	85[a]	4†	24	30	42[a]	2.24	-0.54	1.12	0	13	9	8	14	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	34	59.8	+2.7	90	4†	21	30	46	2.15	-0.73	1.50	0	5	15	7	9	s.	Wm. Ankrom
Parkersburg	Wood	638	41	59.2	+3.1	87	17	25	30	35	2.18	-0.26	1.26	0	6	10	7	14	se.	U. S. Weather Bureau
Parsons [a]	Tucker	1,649	28	54.2	+1.2	85	17	17	29	43	2.37	-0.81	0.60	0	7	15	7	8	.....	J. W. Swisher
Parsons No. 2	Tucker		2	.....	.....	.....	.....	.....	.....	.....	2.43	-0.45	0.73	T.	12	17	4	10	.....	Robert T. Deem
Philippi	Barbour	1,550	31	.....	.....	.....	.....	.....	.....	.....	1.92	-0.96	0.52	0	8	.....	.....	.....	.....	H. F. Brittingham
Pickens	Randolph	2,697	25	52.4	0	84	17	12	30	45	2.61	-1.46	0.82	T.	7	15	6	10	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	5	.....	.....	.....	.....	.....	.....	.....	2.13	.....	0.62	0	8	18	11	2	.....	Miss Mary A. Conrad
Rowlesburg ††	Preston	1,375	41	.....	.....	.....	.....	.....	.....	.....	1.74	.....	0.41	0	11	.....	.....	.....	.....	Walter H. Bolyard
Saint Marys	Pleasants	577	19	.....	.....	.....	.....	.....	.....	.....	2.78	-0.62	1.01	0	7	.....	.....	.....	.....	Wm. Hughes
Terra Alta	Preston	2,559	27	51.8	-0.1	82	11	14	30	46	2.11	-1.51	0.54	T.	11	5	12	14	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	5	58.4	.....	87	17	19	30	45	2.12	.....	0.60	0	8	16	9	6	w.	J. C. Campbell
Vandalia	Lewis	1,120	5	.....	.....	.....	.....	.....	.....	.....	2.13	.....	0.61	0	6	.....	.....	.....	.....	Creed H. McCue
Wellsburg	Brooke	668	21	55.8	+1.7	85	12	24	30†	44	2.08	-0.78	1.49	0	7	16	11	4	.....	George P. Pfister
West Milford	Harrison	979	3	.....	.....	.....	.....	.....	.....	.....	2.06	.....	0.50	0	6	.....	.....	.....	.....	Miss Dicie E. Wagner
Weston	Lewis	1,026	33	58.1	+2.6	86	17	20	30	41	1.79	-1.32	0.52	0	7	7	22	2	.....	Weston State Hospital
Wheeling	Ohio	645	41	56.4	+0.8	92	11†	20	30	52	1.83	-0.73	1.02	0	6	14	7	10	w.	Miss M. B. Forsyth
Woodlands	Marshall	637	1	.....	.....	.....	.....	.....	.....	.....	2.56	.....	1.45	0	14	6	13	12	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	2	.....	.....	.....	.....	.....	.....	.....	1.53	.....	0.60	T.	9	14	11	6	sw.	H. S. Sutton
Bancroft	Putnam	574	24	58.5	+1.1	90	17	24	30	42	2.46	-0.72	1.50	0	6	22	0	9	ne.	R. E. Dent
Bluefield [d]	Mercer	2,558	33	57.6	+1.6	82	12	27	30	35	3.26	+0.38	1.01	0	9	13	8	6	.....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	13	.....	.....	.....	.....	.....	.....	.....	2.08	-0.86	1.00	0	3	.....	.....	.....	.....	Miss Katie Jarvis
Charleston	Kanawha	600	25	61.5[b]	+2.2	94[b]	12†	28[b]	30†	43[c]	1.58	-1.19	0.62	0	9	15[b]	0[b]	14[b]	.....	R O. Fields
Clay	Clay	706	12	.....	.....	.....	.....	.....	.....	.....	1.92	.....	0.58	0	7	.....	.....	.....	.....	Chilton Wilson
Dam 6 G. K.	Kanawha	598	2	.....	.....	.....	.....	.....	.....	.....	1.55	.....	0.82	0	7	.....	.....	.....	.....	Lockmaster
Dam 19 O. R.	Wood	600	12	.....	.....	.....	.....	.....	.....	.....	3.26	-0.21	1.58	0	9	.....	.....	.....	.....	Lockmaster
Dam 20 O. R.	Wood	600	12	.....	.....	.....	.....	.....	.....	.....	2.28	-1.31	1.24	0	7	.....	.....	.....	.....	Lockmaster
Dam 25 O. R.	Mason	565	1	.....	.....	.....	.....	.....	.....	.....	2.00	.....	1.18	0	7	.....	.....	.....	.....	Lockmaster
Dam 26 O. R.	Mason	564	12	.....	.....	.....	.....	.....	.....	.....	1.57	.....	0.85	0	7	.....	.....	.....	.....	U. S. Engineer Office
Gary	McDowell	1,426	12	58.0	.....	85	17	26	29	39	1.72	-1.95	0.61	0	9	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	31	56.7	+0.1	84	13	27	30	35	1.39	-1.26	0.52	0	9	10	4	17	.....	Mrs. M. L. McClung
Kanawha Falls	Fayette	618	9	.....	.....	.....	.....	.....	.....	.....	1.95	.....	0.58	0	8	.....	.....	.....	.....	J. O. Brown
Kayford	Kanawha	1,335	12	.....	.....	.....	.....	.....	.....	.....	2.66	-0.79	0.97	0	10	.....	.....	.....	.....	Cabin Creek Con. Coal Co
Kermit	Mingo	579	2	.....	.....	.....	.....	.....	.....	.....	2.63	.....	1.30	0	5	.....	.....	.....	.....	E. B. Kirk
Lewisburg	Greenbrier	2,250	28	54.6	+1.0	79	15	19	30	35	2.03	-0.82	0.84	0	6	18	6	7	s.	Geo. T. Argabrite
Logan	Logan	709	25	.....	.....	.....	.....	.....	.....	.....	1.85	-0.90	0.95	0	5	.....	.....	.....	.....	J. R. Wampler
Marlinton	Pocahontas	2,131	29	52.4	+2.6	74	12†	14	30	38	1.68	-1.43	0.68	0	5	8	20	3	sw.	S. L. Brown
Organ Cave	Greenbrier	.....	2	.....	.....	.....	.....	.....	.....	.....	2.25	.....	0.95	0	5	12	10	9	w.	J. J. Hedrick
Point Pleasant	Mason	595	35	60.0	+2.4	90	17	29	26	41	2.16	-0.43	0.95	0	6	13	0	18	se.	Miss Grace E. Henson
Powellton ††	Fayette	904	34	61.6[d]	.....	83[d]	11†	31[d]	29	43[d]	.....	.....	.....	.....	.....	.....	.....	.....	.....	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	5	59.2	.....	87	11†	20	30	41	1.60	.....	1.00	0	7	14	0	17	se.	Lockmaster
Robertsburg	Putnam	570	28	58.8	+1.4	88	13†	22	30	45	2.18	-0.60	1.44	0	6	17	0	14	.....	M. Frazier
Ryan	Roane	700	25	56.8	+2.0	89	17	17	30	49	2.97	-0.43	1.26	0	10	12	8	11	.....	Wm. E. Ryan
Sharples	Logan	.....	5	.....	.....	.....	.....	.....	.....	.....	2.05	.....	0.90	0	4	.....	.....	.....	.....	R. W. Howard
Spencer	Roane	789	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. M. McKown
Sutton	Braxton	850	22	58.6	+0.1	86	11†	19	30	43	2.12	-0.97	0.75	0	7	24	0	7	.....	C. B. Eakle
Union [d]	Monroe	2,250	24	56.5	+2.4	87	15	20	30	49	2.76	-0.08	1.08	0	5	9	7	11	.....	W. M. H. Young
Wayne	Wayne	598	1	.....	.....	.....	.....	.....	.....	.....	2.67	.....	1.92	0	5	.....	.....	.....	.....	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	18	52.6[a]	0	83[a]	13†	20	29	42[a]	2.05	-0.77	0.85	0	6	26	1	4	.....	H. E. Green
Williamson	Mingo	673	28	.....	.....	86	15	.....	.....	.....	1.57	-1.19	0.72	0	9	20	0	11	ne.	A. J. Maynard
State averages and	extremes	.....	.....	56.7	+1.6	94	12†	12	30	54	1.98	-0.97	1.92	0.1	7	14	7	10	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means.

† Also on other dates.

†† Received too late to be included in means and summaries.

Reference letters, a, b, c appearing in the table indicate number of missing days; for example, b represents two days, etc.

Daily Precipitation for October, 1928

Stations	Drainage-basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac						.11			.07					T					.46				1.17	.72	.09	.04		T				2.66
Brandywine	do					T														.10	.30				.65	T	.25				.10		[illegible]
Harpers Ferry‖	do	.17					.17													.39					.24				.14				1.11
Martinsburg‖	do	.15					.75			T									*	.30					.50	T	T	T	.08				[illegible]
Moorefield	do	*	*	*	*	*	*	*	.15										.21					[illegible]		.03							[illegible]
Perry	do					.03				.01														[illegible]		T		T	[illegible]				[illegible]
Piedmont	do																	.11						.26	.01	.07		.02	[illegible]				[illegible]
Romney‖	do						.23													.45				.25									[illegible]
Stony River Dam	do						.55				.07				.15			.16	.10	.40				.18	.09		.22		.31				2.23
Upper Tract	do					T													.25					.46		.20	.10						[illegible]
Wardensville‖	do	.35																	*					*	*	*	*	*	*	*	.80		1.15
Northern Division																																	
Aberdeen	Monongahela		T			.07	.12			.09					.07		T		.48					.68		.08	T		.26				1.85
Alma (near)	Ohio					.23				.18				.04			.01	.02	1.13							.18		.05	.15				1.99
Bens Run	do					.67								.10					1.12					.17		.09		.13	.13				2.41
Benson	Monongahela																																
Brownsville	do		T			.12	.13			.12					[illegible]		.02	T	.62					.15		.05		T	.36				1.96
Bruceton Mills	do		T			.35				.07				T	.05		T	T	.30	.03	T			.65		.20		.15					1.80
Buckhannon	do					.80				.10				T	T				.45					.70	T	.15		T	.32				2.52
Cairo	Little Kanawha																																
Clarksburg‖	Monongahela						.07			.38	.02				.06		.02		.20	.25				.63			.18		.30				2.11
Cortland‖	do					.20					.35	.20					.20	.40	.16	.08	.25												1.84
Crawford‖	Little Kanawha					.32	.16												.59					.66				.11	.17				2.01
Creston	Monongahela						.87			.11					.12			.09	1.00					.50					.14				2.83
Dam 10, Mon. R.‖	Ohio						.68													.45				.41	.09		.09		.20				1.82
Dam 12, O. R.‖	do						.51										.01		1.05	.23				.13		.02			.15				2.10
Dam 13, O. R.‖	Monongahela		.01	.01			.58			.03							.01		.85	.15				.02	.01				.20				1.87
Dam 15, Mon. R.‖	do					.03	.14			.03	T				.14			.02	.01	.42				[illegible]	.03	.05	.07		.24				[illegible]
Davis	do	T					.48			.11	.03				.10			.09		.38				.37	.13	.12	.15	.37			T		2.33
Elizabeth (D'm 3 L K)	Little Kanawha						.16												1.16					.19									1.51
Elkins***	Monongahela					.10				.17				.05	.01		.01	.01	.33					.54	.04	.25		.06	.14				1.71
Evenwood	do					.16				.19							.08	.06	.42					T	T	.13	T	.11	.26	T			1.41
Fairmont‖	do					T	.13			T	T				.11		T	T	.08	.38				.43	.07	.02	.04		.26				1.52
Glenville‖	Little Kanawha						.46			.08					.16		.04		.20	.44				.55		.04	.05		.56				2.58
Grafton‖	Monongahela									.15									.38					.67				.35					1.55
Horner	do						.65				.45										.54			.64		.35				.63			3.26
Horton	do					.13	.16			.08					.07			.09	.40					.46		.36	.15	T	.12				2.02
Janelew (near)	do						.40			.10					.10				.40					.60					.16				1.76
Lost Creek	do					.04	.16			.10					.05		.02		.47					.74	T	.08		.03	.32				2.02
Mannington	do					.38	.01			.11				.01	.01		T	T	.74					.33		.11	.02	.06	.30				2.08
Morgantown	do					.10				T							T	.45	.45					.50	T	T	T	T	.15				1.65
New Cumberland‖	Ohio		.03	.02			.20			.02							.04	.16	1.12					.37	.02	.05	.10	.03	.08				2.24
New Martinsville	do					.20													1.50					.10				.10	.25				2.15
Parkersburg***	do					.45			T	.05				T		T	T	.54	.73					.26	T	T		.15					2.18
Parsons	Monongahela		T	.37						.15				T	.10		T		.40						.60	.50		.25					2.37
Parsons No. 2	do					.38				.25					.08		.03	.02	.32					.73	.01	.22	.02	.02	.35				2.13
Philippi	do					.16	.09								.25					.40				.10	.05	.05			.52				1.92
Pickens	do					.20				.05				.16			T	T	.78					.82		T		.13	.47				2.61
Roanoke	do					.18	.15			.06					.06		.02		.62					.61			T	T	.43				2.13
Rowlesburg‖	do					.02	.09			.04	.22							.02		.30				.08	.41	.09	.12		.35				1.74
Saint Marys‖	Ohio						.98			.06									1.01	.05				.24			.22		.22				2.78
Terra Alta	Monongahela				T	.21				.29					.02		.05	T	.35					.54	.03	.26	.05	.05	.26	T			2.11
Valley Chapel	do					.07	.21			.15							.14		.55					.60		.08			.32				2.12
Vandalia	do					.37													.60					.61	.10	.09		.36					2.13
Wellsburg	Ohio		T			.22				.01							T		1.49					.14	.04	.09		.09					2.08
West Milford	Monongahela														.45			.10			.50				.50		.20		.31				2.06
Weston	do						.20												.05	.50				.52	.06		.12		.34				1.79
Wheeling‖	Ohio		T	T			.42			T							.01	T	1.02	.14				.11		T	T	T	.13	T			1.83
Woodlands‖	do		.03			.01	.16			.02					.12			.03	1.45	.14				.15	.06	.08	.05		.24	.02	T		2.56
Southern Division																																	
rbovale	Great Kanawha					.23	.04			.01							.01	.01	.46					.60		T	.07		.10				1.53
ancroft‖	do									.32					.05			.05	1.50					.41					.10				2.46
luefield	do	1.01	.03			.03											.02	.19	.73					.98	.04					.23			3.26
amden-on-Gauley‖	do			.88			1.00																	.20									2.08
harleston‖	do			.04			.06			.14					.06			.02	.62	.04				.48					.12				1.58
lay‖	do			.02			.58			.26					T			.02	.48					.48					.08				1.92
am 6 G K.‖	do			.05			.10											.08	.82	.05				.40					.05				1.55
am 19 O. R.‖	Ohio						.86			.05					.08		.01	.01	1.58	.05				.48	T				.14				3.26
am 20 O. R.‖	do						.28			.08								.06	1.24	.04				.44					.14				2.28
am 25 O. R.‖	do						.19			.15					.01		.02		1.18	T				.42					.03				2.00
am 26 O. R.‖	do									.18							.03	.01	.85	.01				.44					.05				1.57
ary‖	Big Sandy			.15			.04										T	.15	.16	.61				.30	.04				.26	.01			1.72
inton‖	do			.02			.10				.01							.15	.01	.42				.50	.02				.16				1.39
anawha Falls‖	Great Kanawha			.08							.05							.05	.50	.42				.58					.20	.07			1.95
ayford‖	do			.11			.30				.05						T	.02	.15	.97				.59	.09				.34	.04			2.66
ermit‖	Big Sandy			.25		.08													1.30	T				.60					.40				2.63
ewisburg	Great Kanawha					.18	.02											.16	.62					.84				T	.21				2.03
ogan‖	Guyandotte			.10			T											T	.95	.10				.38					.32				1.85
arlinton	Great Kanawha					.16									T			.10	.62					.68		T			.12				1.68
gan Cave	do																	.10	.45					.95		.45		.30					2.25
oint Pleasant‖	Ohio						.50			.20							.08		.95	T				.35					.08				2.16
oweliton	Great Kanawha																																
avenswood (Dam 22	Ohio						.10			.12								.02	1.00	.10				.21					.05				1.60
bertsburg‖	Great Kanawha								.04								.04	.03	1.44					.55					.05				2.18
an	do		T	T		.87				.13					.01		.02	.02	1.26					.45				.01	.02	.18			2.97
arples‖	Coal River									.15							.90	T						.60			.40						2.05
encer‖	Great Kanawha																																
tton	Gauley					.20	.12			.10				.25					.40					.75					.30				2.12
ion	do	.48				T												.38	.53					1.08						.29			2.76
yne‖	Big Sandy			.12						.12									1.92					.33					.18				2.67
hite Sulpr. Spgs.‖	Great Kanawha					.10											.10		.50				.85	.30				.20					2.05
lliamson‖	Big Sandy			.03			.05				.04						.02	.04	.72					.42	.03				.22				1.57

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch.

Daily Temperatures for October, 1928

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	61	67	77	79	74	72	74	72	68	73	78	82	79	77	79	78	85	83	73	56	69	69	64	53	44	42	54	49	43	41	54	66.7
	Minimum	37	32	36	41	46	37	35	26	43	34	30	34	41	52	46	49	57	57	43	38	24	27	33	37	34	33	20	39	29	14	24	36.4
Brandywine	Maximum	55	75	80	85	80	75	65	70	75	80	85	88	87	88	80	81	80	78	75	70	60	61	62	58	55	54	48	44	40	40	42	68.3
	Minimum	47	45	52	55	54	50	37	35	50	40	42	48	50	52	47	54	59	60	60	48	37	27	29	38	29	31	30	22	30	29	15	42.0
Martinsburg§	Maximum	67	64	76	74	81	77	75	70	80	74	83	88	90	61	74	83	87	80	77	60	66	70	60	60	60	54	47	60	50	51	....	70.0
	Minimum	45	45	45	48	51	51	42	38	39	45	42	43	49	50	54	54	64	63	51	47	39	34	36	44	37	32	25	29	39	22	22	42.7
Moorfield	Maximum	....	....	....	....	....	....	....	76	81	87	89	89	89	83	84	86	90	83	79	73	65	76	72	62	59	59	55	54	51	52	61	73.1
	Minimum	....	....	....	....	....	....	....	38	56	40	42	46	47	58	55	58	65	69	57	41	30	40	52	38	39	33	27	43	38	15	28	43.7
Piedmont	Maximum	58	63	71	72	76	71	68	70	72	71	81	81	81	60	73	83	71	71	62	60	63	64	61	54	52	45	44	52	42	46	58	64.4
	Minimum	48	43	51	53	60	45	37	36	59	42	42	47	50	50	54	55	60	46	42	38	34	36	56	41	40	37	29	40	33	21	29	43.7
Romney	Maximum	64	70	79	84	73	77	76	75	77	89	89	90	....	88	84	90	77	78	78	66	74	64	60	57	51	48	51	53	38	52	....	70.8
	Minimum	....	41	48	51	56	47	43	36	41	38	41	47	51	....	54	56	64	58	47	42	32	34	57	42	34	34	27	33	36	20	27	42.7
Upper Tract	Maximum	68	68	73	80	79	78	75	76	77	78	83	84	85	78	70	76	81	79	76	75	73	72	61	61	59	54	55	55	50	49	59	70.5
	Minimum	42	43	43	46	44	42	40	36	40	40	41	43	45	45	45	46	54	51	53	42	42	30	39	41	38	36	30	25	37	16	27	39.7
Wardensville	Maximum	67	66	76	78	80	82	75	71	79	74	88	86	85	86	84	85	80	79	69	....	....	....	....	....	....	....	....	....	76	60	....	77.4
	Minimum	43	38	42	45	49	40	35	30	47	35	34	41	42	40	42	50	52	51	45	....	....	....	....	....	....	....	....	....	....	15	20	39.8
Northern Division																																	
Bens Run	Maximum	72	69	78	86	75	76	75	80	81	76	84	85	85	71	74	83	86	78	69	58	64	75	69	58	61	53	51	53	48	48	53	70.1
	Minimum	42	52	53	55	61	47	47	43	62	46	45	55	55	49	50	63	67	64	48	41	38	45	51	44	40	34	35	47	35	25	32	47.5
Buckhannon	Maximum	67	65	70	78	76	76	66	71	70	72	76	78	78	60	75	79	81	74	67	62	63	70	63	53	52	49	58	53	47	42	51	65.9
	Minimum	35	46	48	47	56	50	42	37	56	39	42	47	50	50	52	56	50	62	47	40	33	38	38	45	38	34	32	47	35	21	30	43.3
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Clarksburg §	Maximum	72	70	80	87	81	76	73	80	76	80	86	87	84	64	84	87	89	75	73	55	70	77	61	57	52	52	59	51	45	52	55	70.7
	Minimum	40	41	49	51	53	45	40	36	40	40	40	46	45	50	46	53	64	65	45	36	32	32	45	40	32	31	31	44	34	19	23	41.5
Creston	Maximum	72	73	80	85	84	77	78	82	81	84	88	88	84	78	86	84	88	85	75	68	71	78	72	60	58	56	58	57	51	50	57	73.8
	Minimum	41	49	51	51	57	45	40	39	59	40	41	54	50	59	45	60	64	63	44	35	33	41	50	38	32	38	30	36	27	24	30	44.1
Elkins	Maximum	65	67	75	80	78	73	68	76	70	74	78	81	79	66	80	81	84	71	69	50	68	70	64	52	48	46	56	52	39	49	53	66.5
	Minimum	38	48	50	50	54	43	39	35	48	40	40	47	46	54	51	59	66	50	43	41	31	47	45	41	35	29	27	38	24	17	31	42.2
Fairmont§	Maximum	72	70	79	89	82	77	76	78	78	79	88	90	87	63	84	88	90	75	75	58	70	77	64	58	53	51	60	52	48	54	56	71.6
	Minimum	39	41	50	51	51	46	42	40	41	42	42	52	54	57	48	53	66	66	48	33	33	36	48	41	34	35	35	37	35	21	24	43.4
Glenville	Maximum	76	72	82	88	83	78	78	84	82	83	88	89	88	83	87	84	91	84	83	67	74	82	73	68	57	57	60	58	54	53	58	75.5
	Minimum	44	44	49	51	55	53	42	40	53	41	41	48	49	55	47	55	66	55	63	35	35	38	52	42	32	28	29	46	27	17	27	43.8
Grafton	Maximum	62	68	75	68	71	70	80	72	75	79	83	85	73	82	79	88	75	63	62	63	60	60	56	45	55	48	45	45	....	....	....	67.4
	Minimum	40	42	50	52	44	46	32	53	39	38	45	46	57	44	57	62	62	43	36	30	35	55	41	32	34	27	35	35	28	....	....	42.8
Lost Creek	Maximum	75	68	86	88	80	78	78	82	77	82	89	88	86	78	85	83	89	80	72	65	70	79	68	58	53	55	69	54	48	52	55	72.9
	Minimum	36	43	45	48	55	40	38	32	56	36	38	45	48	57	44	60	69	63	44	34	29	35	50	38	38	28	26	45	30	15	26	41.6
Mannington	Maximum	65	67	73	80	75	69	69	74	74	71	80	81	82	73	80	83	86	80	69	66	64	74	70	58	51	51	55	52	47	47	51	68.3
	Minimum	37	43	50	49	53	45	39	34	55	38	39	46	47	56	45	58	66	63	44	34	31	37	53	37	32	30	29	46	35	18	29	42.5
Morgantown	Maximum	72	73	78	88	81	74	72	78	75	72	84	81	85	76	81	86	86	78	70	66	64	72	67	56	53	51	58	50	53	49	54	70.4
	Minimum	43	48	51	54	63	45	46	44	62	42	49	52	53	53	48	52	69	62	50	39	35	45	48	40	37	36	31	44	40	21	36	46.4
New Cumberland§	Maximum	69	68	78	85	73	74	71	69	78	76	85	80	82	58	82	80	82	72	68	55	62	74	61	58	54	50	53	53	41	48	....	68.0
	Minimum	44	46	53	51	53	45	41	38	39	41	43	47	55	53	52	54	65	65	53	42	35	38	51	41	37	38	29	36	34	24	27	44.2
New Martinsville	Maximum	75	72	81	90	76	79	77	83	83	82	9	90	87	76	85	86	89	81	72	65	69	79	72	61	54	55	54	54	49	51	59	73.4
	Minimum	43	48	50	54	60	49	45	42	62	42	44	52	54	57	47	62	70	65	47	39	36	42	51	40	36	36	32	47	35	21	25	46.2
Parkersburg	Maximum	70	68	76	85	78	75	72	80	80	78	85	86	87	66	84	81	87	76	70	57	64	76	67	60	54	54	55	53	45	49	55	70.1
	Minimum	43	55	56	57	60	48	47	45	54	46	51	58	59	58	49	67	69	56	50	43	37	50	49	43	41	34	37	41	30	25	35	48.2
Parsons	Maximum	....	70	73	80	71	72	70	75	80	83	79	80	82	65	82	82	85	74	70	56	60	71	71	64	50	47	57	50	56	60	57	69.2
	Minimum	....	45	30	40	46	45	40	38	40	45	40	43	42	49	40	57	61	56	46	40	31	38	31	34	37	31	29	34	17	30	30	39.2
Pickens	Maximum	69	65	74	83	75	75	76	78	70	77	81	83	71	81	83	81	84	69	68	57	69	69	60	49	49	45	57	48	39	51	49	67.3
	Minimum	31	40	42	45	52	42	38	33	38	35	39	45	49	47	47	53	58	50	43	29	25	38	38	35	30	25	23	33	20	12	26	37.5
Terra Alta	Maximum	57	65	72	79	77	69	61	73	62	71	82	80	72	70	72	71	81	78	75	68	62	67	61	49	43	41	52	47	40	42	51	64.2
	Minimum	41	39	39	42	48	37	40	31	50	37	36	40	50	52	46	54	61	54	47	37	27	31	47	35	33	34	23	40	29	14	25	39.4
Wellsburg	Maximum	67	76	76	81	74	72	70	75	79	73	83	85	83	70	79	80	84	78	68	61	63	73	68	57	53	48	50	53	57	46	54	68.9
	Minimum	39	44	51	48	47	41	40	34	57	38	39	49	50	53	50	58	62	65	48	35	30	38	50	33	33	35	28	44	34	24	21	42.8
Weston	Maximum	74	70	75	84	80	75	80	81	78	76	82	83	82	79	82	80	86	76	70	65	65	74	70	65	56	55	60	59	54	55	59	71.9
	Minimum	45	49	52	50	58	50	50	40	40	38	50	50	54	50	53	60	64	61	40	40	34	36	50	42	38	30	32	39	29	20	31	44.3
Wheeling§	Maximum	72	70	84	89	75	79	79	84	85	82	92	92	85	60	87	81	89	80	72	60	68	76	63	62	58	52	51	62	36	52	62	72.2
	Minimum	40	39	50	50	50	42	38	38	38	30	40	45	52	52	47	46	60	65	48	35	34	35	50	36	32	32	31	34	30	20	21	40.7
Southern Division																																	
Bluefield	Maximum	65	64	75	79	76	69	....	77	76	78	81	82	80	....	81	71	76	72	69	65	....	65	63	63	54	50	64	....	63	47	53	68.
	Minimum	43	49	47	55	61	55	....	43	55	50	54	47	47	....	57	62	64	61	46	40	....	32	52	39	36	30	32	....	30	27	35	46.3
Charleston§	Maximum	76	68	84	....	....	84	85	85	80	84	91	94	94	74	94	86	91	86	80	70	70	80	64	65	66	66	61	58	58	58	58	76.4
	Minimum	47	47	52	56	....	..	48	48	50	51	50	51	57	52	57	57	64	66	52	44	39	42	48	40	40	33	33	34	36	28	28	46.6
Gary §	Maximum	70	63	78	82	79	81	77	83	81	83	83	84	81	80	84	78	85	76	73	59	72	72	65	56	57	53	68	55	46	53	56	71.4
	Minimum	42	43	48	54	57	60	61	45	46	53	45	45	47	47	56	57	62	64	47	40	35	42	42	40	32	30	29	31	30	26	27	44.6
Hinton	Maximum	62	61	77	80	79	76	76	79	77	80	81	82	84	83	82	80	77	64	73	42	65	59	44	56	57	54	61	45	46	50	56	67.4
	Minimum	47	47	48	55	57	59	49	49	49	52	46	48	50	51	61	61	61	64	52	42	38	38	44	48	31	32	30	32	34	27	28	46.0
Lewisburg	Maximum	58	61	72	75	76	73	72	73	74	74	76	77	78	78	79	77	77	72	69	63	63	61	61	53	52	49	58	53	46	44	52	66.0
	Minimum	45	43	48	50	55	53	41	41	46	41	41	43	43	57	60	56	60	63	41	41	28	36	53	49	37	33	24	44	29	19	30	43.3
Marlinton	Maximum	58	58	70	72	70	70	68	68	65	72	72	74	72	74	72	74	71	68	60	56	58	60	58	50	46	44	60	62	52	40	52	63.0
	Minimum	48	48	52	54	58	44	38	36	50	52	52	48	48	56	60	60	60	50	32	28	26	32	50	38	34	28	22	30	24	14	24	41.8
Point Pleasant	Maximum	72	68	88	85	80	80	80	85	85	80	87	85	88	85	80	80	90	85	88	74	70	65	70	65	58	55	55	55	55	40	50	73.6
	Minimum	40	50	55	55	56	55	50	60	55	41	46	52	60	49	50	60	70	65	54	40	35	35	42	36	36	29	32	34	30	30	32	45.3
Powellton	Maximum	85	80	81	75	76	74	80	82	85	80	88	86	88	....	86	84	87	83	82	79	..	78	72	68	81	....	....	72	70	80	73	79.8
	Minimum	45	41	43	40	42	44	47	49	60	45	50	48	49	..	48	46	48	44	46	36	..	39	36	35	45	....	....	38	34	42	35	43.5
Ravenswood	Maximum	71	68	78	84	80	77	76	80	80	81	86	87	87	84	84	82	87	76	76	69	70	77	75	61	56	56	57	58	51	50	55	72.9
	Minimum	39	53	53	55	64	43	41	39	60	41	45	53	53	58	46	63	68	64	46	36	34	55	51	39	32	29	31	48	26	20	29	45.6
Robertsburg§	Maximum	75	70	80	85	82	81	85	82	83	87	86	86	88	70	88	83	88	77	72	60	72	80	60	62	56	59	58	53	50	52	58	73.2
	Minimum	42	48	55	54	58	45	40	42	43	46	52	53	54	55	49	54	65	63	47	38	34	39	55	37	35	31	32	35	29	22	23	44.4
Ryan	Maximum	73	67	78	78	77	75	85	88	80	80	88	85	88	70	88	82	89	75	75	65	68	78	65	60	60	55	54	60	55	50	53	72.4
	Minimum	38	48	48	49	50	39	42	39	53	38	40	46	45	54	46	58	60	55	44	34	30	40	47	31	29	25	27	27	45	17	30	41.1
Spencer §	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Sutton	Maximum	73	73	76	84	84	80	80	80	80	74	86	86	80	86	86	86	84	76	71	71	70	70	70	58	58	52	60	60	50	48	50	72.3
	Minimum	42	46	50	52	58	52	43	42	56	47	43	49	50	51	60	67	63	47	48	38	35	39	54	41	33	30	30	46	28	19	32	41.9
Union	Maximum	65	62	75	77	79	79	....	78	79	80	82	82	84	....	87	83	79	75	75	75	....	64	64	62	61	59	58	....	58	45	51	71.0
	Minimum	42	42	45	50	54	52	....	41	47	46	33	42	41	....	54	54	60	63	41	37	....	29	54	38	36	30	25	....	28	20	31	42.0
White Sulphur Spgs§	Maximum	64	75	76	77	74	77	78	79	79	82	82	83	82	83	82	82	73	74	63	64	63	61	57	57	54	62	55	48	48	57	....	69.7
	Minimum	33	37	38	37	39	39	40	48	47	40	44	41	42	42	42	42	42	41	37	30	31	32	32	30	27	23	24	28	20	26	24	35.4
Williamson§	Maximum	75	80	80	83	83	79	78	82	71	81	85	84	85	85	86	83	85	78	73	69	70	76	63	60	59	61	63	63	49	52	....	74.0
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	......

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.035	.077	.045	.067	.132	.075	.123	.100	.114	.096	.100	.111	.102	.158	.077	.077	.077	.251	.032	.135	.044	.079	.106	.034	.110	.071	.066	.017	069	.074	.037	2.691
	Wind movement	40	7	14	16	32	26	34	15	42	46	14	19	20	68	48	11	20	58	27	56	44	23	68	39	92	72	43	44	65	42	20	1,165

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 11-23-28—850)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVI Parkersburg, W. Va., November, 1928 No. 11

GENERAL SUMMARY

November averaged somewhat warmer and wetter than usual. The month was about equally divided into periods of moderately warm and moderately cold weather. With the exception of 1927, it was the warmest November since 1921. The greater portion of the precipitation was received on the 19-20th and 29-30th. In the more elevated portions of the State the snowfall was moderate to moderately heavy. In the western and most of the northern counties the snowfall was unimportant. The month was exceptionally cloudy, except over the extreme eastern counties. The conditions were generally favorable for winter wheat. Husking was well advanced at the close of the month.

TEMPERATURE

The monthly mean for the State, determined from 46 stations, was 44.0°. The departure from the normal for 38 stations having ten or more years of record was +1.4°. From the 1st to the 8th the temperature was generally slightly above the normal, but moderately cold weather prevailed from the 9th to the 14th and from the 20th to the 28th, the lowest temperatures occurring generally on the 26th. High temperature prevailed from the 16th to the 18th and on the 29-30th.

PRECIPITATION

The average precipitation for the State, determined from 82 stations, was 3.31 inches. The departure from the normal for 55 stations having ten or more years of record was +0.52 inch. Most of the precipitation occurred on the 3-4th, 8th, 10-11th, 18th-23d, 25th, and 29-30th, the greatest amounts being noted on the 19th and 30th. In the higher altitudes snow fell on the 8th, 10-13th, 20th-23d, 25-26th, and 28th, he amounts being moderate to somewhat heavy in the periods 20th-23d and 25-26th. The following monthly amounts, in nches and tenths, were measured: Pickens, 30.0; Davis, 19.6; Bayard, 19.0; Horton, 18.4; Stony River Dam, 17.5; Arbovale, 11.0.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bancroft, 1st, 2d, 5th, 7th, and 9th; Bayard, d; Charleston, 9th; Crawford, 29th; Elkins, 1st and 14th; airmont, 1st; Glenville, 19th; Hinton, 1st, 2d, 7th, 16th, and 17th; Marlinton, 6th, 7th, 16th, and 17th; Parkersburg, 5th; Pt. Pleasant, 1st, 5th, 7th, and 9th; Terra Alta, 4th, 11th, 13th, 29th, and 30th; Wheeling, 1st, 2d, 5th, 7th, 10th, and 29th.

Sleet: Bayard, 11th; Lost Creek, 20th and 22d; Ryan, 28th; Stony River Dam, 27th; Terra Alta, 12th and 13th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity: Miles per hour	Direction	Date
Cincinnati, Ohio	30.14	85	65	70	116.0	38	5,568	7.7	29	nw.	21
Columbus, Ohio	30.11	81	67	69	77.3	26	7,301	10.1	36	nw.	21
Elkins	30.14	83	68	80	74.0	25	4,126	5.7	30	w.	19
Lexington, Ky	30.18	84	67	....	111.8	37	8,821	12.3	38	sw.	21
Parkersburg	30.14	79	63	66	54.5	18	4,307	6.0	30	sw.	21
Pittsburgh, Pa	30.09	80	73	70	63.4	21	7,774	10.8	34	w.	30
Wytheville, Va	30.15	74	59	68	129.0	42	5,032	7.0	29	sw.	19

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	42.5	80	8	3.04	......	......	......	8	......	......	......
1892	41.7	81	3	3.10	......	......	......	......	......	......	......
1893	41.4	74	3	2.12	3.22	0.47	......	8	13	6	11
1894	39.8	82	5	2.11	3.47	0.25	......	8	12	6	12
1895	44.6	87	12	2.35	4.00	0.20	......	9	12	8	10
1896	48.1	80	10	3.50	5.07	1.56	......	8	10	8	12
1897	45.0	76	13	4.45	7.15	0.30	......	13	9	9	12
1898	41.4	75	−3	2.84	4.74	1.00	......	10	9	11	10
1899	45.6	76	14	1.93	3.49	0.20	T.	8	11	9	10
1900	45.5	86	9	5.20	8.88	2.71	2.8	10	8	8	14
1901	38.0	79	7	2.51	5.35	1.23	4.3	7	8	[illegible]	16
1902	50.3	83	12	3.27	4.56	1.23	0.7	7	11	6	13
1903	38.0	80	−4	2.46	4.98	0.67	4.6	9	11	8	11
1904	41.2	75	9	0.64	3.05	0.07	1.4	4	12	7	11
1905	41.8	74	10	2.44	5.67	0.67	T.	9	13	7	10
1906	44.2	84	13	2.39	5.50	0.35	2.2	6	15	5	10
1907	41.8	74	13	3.40	7.05	1.41	1.0	9	10	8	12
1908	43.3	81	0	1.14	2.73	0.48	5.2	5	15	8	7
1909	49.1	84	12	1.34	3.85	0.23	0.2	7	14	7	9
1910	37.3	75	5	1.95	4.41	0.66	1.8	9	8	7	15
1911	40.5	83	7	2.74	5.54	1.27	2.0	8	10	7	13
1912	42.8	78	2	1.69	4.08	0.40	0.9	6	14	7	9
1913	44.5	82	−1	4.49	7.50	0.61	13.4	10	12	5	13
1914	42.6	84	2	1.32	2.27	0.50	2.9	5	16	6	8
1915	45.2	85	11	3.06	5.99	1.15	1.1	9	13	8	9
1916	43.8	81	8	1.77	3.07	0.75	0.3	6	16	5	9
1917	39.6	78	0	0.89	3.65	0.05	1.5	10	16	4	10
1918	42.9	79	12	1.89	4.60	0.64	0.2	6	13	5	12
1919	44.4	80	10	4.51	7.53	0.85	0.3	10	12	6	12
1920	41.6	80	5	3.21	5.69	1.47	4.1	10	9	4	17
1921	46.1	85	11	5.99	8.81	2.52	0.8	13	7	6	17
1922	43.8	80	2	1.15	2.49	0.17	1.3	6	12	4	14
1923	42.3	73	10	3.49	5.35	1.70	0.7	11	13	3	14
1924	42.9	87	9	2.05	4.11	0.45	4.1	9	10	6	14
1925	40.6	78	6	3.66	6.62	0.65	0.9	9	11	5	14
1926	40.7	82	4	3.59	6.67	1.59	0.6	9	10	5	15
1927	48.1	82	7	4.35	7.61	0.91	1.6	12	7	7	16
1928	44.0	81	9	3.31	9.41	0.65	2.9	12	6	6	18
1891–1928	43.1	87	−4	2.77	9.41	0.05	2.1	8	12	6	12

Climatological Data for November, 1928

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard ^{c}	Grant	2,375	27	40.2	+2.0	71	17	19	26	46	6.09	+3.25	1.19	19.0	13	7	5	15	nw.	U. G. Clark
Brandywine	Pendleton	1,586	12	41.2	0	72	18	18	26	41	1.85	+0.06	0.60	2.0	8	13	1	16	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	39								2.58	+0.31	1.72	T.	5					J. C. Newcomer
Martinsburg	Berkeley	435	36	^{a}46.1	+3.4	81^{a}	18†	23	14†	53^{a}	1.33	−0.93	0.38	T.	8	17	12	1	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	32	46.6	+2.9	81	3†	17	15	52	1.45	−0.19	0.48	1.5	6	26	2	2		M. S. Henkel
Perry	Hardy		0								5.31		2.10	0.5	8	16	6	8	w.	W. R. Paddock
Piedmont	Mineral	1,053	15	44.0	+2.0	75	17	21	26	31	2.18	+0.17	0.79	0.8	9	7	10	13	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	30	^{c}44.6	+1.9	79^{c}	18	21^{b}	26	43^{d}	0.88	−1.08	0.47	T.	2	1	11	18		George E. Bergdoll
Stony River Dam	Grant	3,300	8								3.38		0.46	17.5	15	2	6	22	w.	A. C. Becker
Upper Tract	Pendleton	1,230	29	^{d}46.1	+2.5	76^{d}	5	18^{d}	26	46^{d}	0.65	−0.88	0.30		5	6^{c}	0^{c}	21^{c}	w.	J. M. Mallow
Wardensville	Hardy	1,200	11	^{h}45.8		78^{h}	7	15^{g}	14	52^{i}										Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	4								3.74		1.33	1.3	13	1	10	19	w.	L. Else Bond
Alma (near)	Tyler		1								3.15		1.28	0.5	16	1	8	21		D. N. Furbee
Bens Run	Pleasants	652	26	45.6	+2.3	76	17	20	26	34	2.86	+0.31	0.98	1.0	14	3	10	17		J. D. Riggs
Brownsville	Lewis	1,032	5	^{g}44.2		75^{g}	17†	12	26	46^{g}	4.05		1.38	2.0	18	6	4	20		George M. Myers
Bruceton Mills	Preston	1,549	11								3.98	+1.33	1.00	11.5	13	0	9	21	sw.	W M. Wolf
Buckhannon	Upshur	1,411	31	^{f}40.7		67^{f}	2	17	26	32^{f}	4.10	+0.65	1.20	0.2	9	6	4	20		H. A. Darnall
Cairo	Ritchie	680	29																	O. C. Hess
Clarksburg	Harrison	1,015	6	42.8		69	17†	18	26	44	2.28		0.45	T.	17	1	11	18	w.	Clarksburg Water Board
Cortland	Tucker	3,300	17																	G. W. Harmon
Crawford	Lewis	1,107	5								4.46		1.50	2.7	14	0	14	16	w.	George W. Blair
Creston	Wirt	640	26	45.0	+1.3	77	17	15	26	46	2.95	+0.05	0.90	0.5	12	8	0	22	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	7								2.15		0.42	T.	12					Lockmaster
Dam 12 O. R.	Ohio	660	12								1.95	−0.86	0.62		12					Lockmaster
Dam 13 O. R.	Ohio	655	12								1.84	−0.88	0.70		15					Lockmaster
Dam 15 Mon. R.	Monongalia	882	7								2.74		0.55	T	17					Lockmaster
Davis	Tucker	3,093	19								4.74	+1.77	0.76	19.6	20	5	2	23	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	16								3.45	+0.98	1.42	0.5	13					Lockmaster
Elkins	Randolph	1,947	27	41.3	+1.0	74	17	16	26	46	3.98	+1.12	1.23	5.0	15	0	5	25	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	3																	Claude A. Cunningham
Fairmont	Marion	883	22	43.4	+1.0	78	17	17	26	46	1.92	−0.95	0.39	2.0	14	6	6	18	w.	J. C. Robinson
Glenville	Gilmer	738	34	45.1	+1.5	78	17	18	26†	50	3.73	+0.75	0.82	1.8	20	5	7	18	w.	Howard R. Brannon
Grafton ††	Taylor	1,000	35	^{d}37.4		72^{d}	17	14^{d}	25	45^{e}	2.66	−0.43	0.69	0.8	10	3^{d}	3^{d}	20^{d}	w.	Curtis Boice
Horner	Lewis	1,044	5								5.23		1.40		11					Foster R. Hardman
Horton	Randolph	2,840	3								4.30		0.92	18.4	12	1	0	29	sw	J. W. White
Janelew (near)	Lewis	1,020	5	44.6		76	17	17	26	48	3.45		1.20	T.	11	5	9	16	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	30	43.6	+1.3	77	17	14	26	50	3.02	+0.52	1.18	1.0	14	0	8	22	w.	Allen Smith
Mannington	Marion	985	25	43.3	+2.0	73	17	18	26	39	3.25	+0.75	1.16	2.7	20	3	6	21	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	35	44.2	+0.8	73	17	17	26	37	2.28	−0.68	1.00	0.9	9	0^{a}	2^{a}	27^{a}	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	30	^{a}42.9	+1.6	77^{a}	17	20	26†	35^{a}	2.01	−0.11	0.59	1.0	18	2	5	23	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	34	45.8	+1.3	76	17	19	26	39	3.15	+0.51	1.20	T.	9	3	11	16	s.	Wm. Ankrom
Parkersburg	Wood	638	41	45.2	+1.4	70	17	22	26	34	2.88	+0.05	1.30	T.	15	1	7	22	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	28	43.0	+2.1	77	17	17	26	46	5.45	+2.91	1.39	9.0	10	13	2	15		J. W. Swisher
Parsons No. 2	Tucker		2								5.42	+2.88	1.57	6.7	18	7	5	18		Robert T. Deem
Philippi	Barbour	1,550	31								3.46	+0.67	0.93	T.	14					H. F. Brittingham
Pickens	Randolph	2,697	25	36.6	+3.8	69	2†	9	26†	44	9.41	+5.56	1.78	30.0	17	4	2	24	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	5								4.38		1.46	0.6	16	7	7	16		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	41								4.11	+0.89	0.94		19					Walter H. Bolyard
Saint Marys	Pleasants	577	19								2.62	+0.14	0.73	T.	15					Wm. Hughes
Terra Alta	Preston	2,559	27	39.2	0	69	17	12	25†	42	3.33	+0.25	1.21	8.5	19	0	6	24	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	5	45.1		78	19	14	26	44	3.19		1.35		10	6	7	17	w.	J. C. Campbell
Vandalia	Lewis	1,120	5								4.07		1.31	5.8	13					Creed H. McCue
Wellsburg	Brooke	668	21	43.0	+1.7	74	17	20	26	38	2.56	+0.15	0.90	1.0	12	4	13	13	w.	George P. Pfister
West Milford	Harrison	979	3								3.23		1.30		6					Miss Dicie E. Wagner
Weston	Lewis	1,026	33	45.4	+2.1	74	17	18	26	40	3.66	+0.43	0.78	T.	11	0	15	15		Weston State Hospital
Wheeling	Ohio	645	41	43.2	+1.1	77	17	12	26	36	1.93	−0.58	0.63	0.5	14	1	10	19	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	1								2.03		0.64	T.	15	0	9	21	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	2								4.34		1.50	11.0	13	5	9	16	sw.	H. S. Sutton
Bancroft	Putnam	574	24	45.0	+0.5	74	16	22	26	43	2.81	+0.41	1.10	T.	10	13	0	17	ne.	R. E. Dent
Bluefield ^{c}	Mercer	2 558	33	45.4	+1.0	72	2	14	26	36	1.24	−1.04	0.27	2.5	8	10	7	8		Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	13								6.05	+2.35	1.99	T.	6					Miss Katie Jarvis
Charleston	Kanawha	600	25	47.2	0	78	2†	24	26†	47	3.38	+0.26	1.18	T.	10	5	0	25		R O. Fields
Clay	Clay	706	12								3.86	+0.77	1.58	0.5	16					Chilton Wilson
Dam 6 G. K.	Kanawha	598	2								3.04		1.08	T.	8					Lockmaster
Dam 19 O. R.	Wood	600	12								2.78	−0.58	0.74	T.	18					Lockmaster
Dam 20 O. R.	Wood	600	12								2.72	−0.37	0.84	T.	15					Lockmaster
Dam 25 O. R.	Mason	565	1								2.82		1.12	T.	16					Lockmaster
Dam 26 O. R.	Mason	564	12								2.55		0.95		11					U. S. Engineer Office
Gary	McDowell	1,426	12	44.8		75	2	17	27	46	1.88	−1.06	0.47	T.	10					U. S. Coal & Coke Co.
Hinton	Summers	1,431	31	41.8	−1.2	72	17	21	27	38	1.71	−0.49	0.38	0.5	13	7	4	19		Mrs M. L. McClung
Kanawha Falls	Fayette	618	9								4.36		2.20		11					J. O. Brown
Kayford	Kanawha	1,335	12																	Cabin Creek Con. Coal Co
Kermit	Mingo	579	2								3.54		1.50	0.5	10					E. B. Kirk
Lewisburg	Greenbrier	2,250	28	42.2	+0.7	68	15	17	26	38	2.00	−0.47	0.70	T.	8	9	9	12	nw.	Geo. T. Argabrite
Logan	Logan	700	25								4.30	+1.43	1.90		9					J. R. Wampler
Marlinton	Pocahontas	2,131	29	37.3	0	64	17	14	25†	42	5.00	+2.07	2.02	5.0	11	3	16	11	sw.	S. L. Brown
Organ Cave	Greenbrier		2								2.21		1.35	2.0	6	2	16	12	w.	J. J. Hedrick
Point Pleasant	Mason	595	35	46.8	+1.8	78	17†	23	26	38	2.76	−0.04	1.11	T.	8	4	3	23	ne.	Miss Grace E. Henson
Powellton	Fayette	904	34	^{a}49.4	+2.7	79^{a}	3†	22^{a}	26†	50^{a}										Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	5	^{f}47.4		76^{f}	16	21	27	52^{f}	2.25		0.78	T.	14	8	0	22	ne.	Lockmaster
Robertsburg	Putnam	570	28	44.2	+0.8	77	17	21	27	45	2.83	+0.46	1.22		15	8	0	22		M. Frazier
Ryan	Roane	700	25	43.0	+0.1	78	17	15	27	49	4.30	+1.82	1.88	1.4	17	4	9	17		Wm. E. Ryan
Sharples	Logan		8								5.61		1.94	1.0	7					R. W. Howard
Spencer	Roane	789	24	45.4	+2.0	75	17	21	26	47	3.10	+0.62	1.22	1.0	13	1	9	20		A. M. McKown
Sutton	Braxton	850	22	43.6	0	76	17†	18	27	33	5.93	+1.97	1.60	5.0	15	15	0	15		C. B. Eakle
Union ^{d}	Monroe	2,250	24	44.0	+3.0	71	19	17	26	37	1.48	−0.51	0.46	T.	7	4	9	13		W. M. H. Young
Wayne	Wayne	598	1								3.98		1.52	T.	13					Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	18			70^{a}	16				1.90	−0.51	0.35	T.	8	15	0	15		H. E. Green
Williamson	Mingo	673	28	^{a}47.0	+1.8	73^{a}	18	20	26	40^{a}	4.51	+1.92	1.97	3.0	12	12	0	18	ne.	A. J. Maynard
State averages and	extremes			44.0	+1.4	81	3†	9	26	53	3.31	+0.52	2.20	2.9	12	6	6	18	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for November, 1928

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac					1.08	.03		T.	1.08	.07	.58	T.							.17	1.19	.73	.04	.16		.67	T			*	.29		6.09
Brandywine	do				.45				T		T.	.05	.10	.05						.25			.15	.20	T.	T.					.07		1.32
Harpers Ferry ‖	do				1.63	.09			T.				T.							.13	.36						T.				.37		2.58
Martinsburg‖	do				.35	.08			.01			T.		T.						.35	.08	T.	.03	T	T	.05	T.				.38		1.33
Moorefield	do			.08	.35									.10						.32			T	T		.12					.48		1.45
Perry	do			.02	.50								.07						2.10	1.80	.05			T		.94					.73		5.31
Piedmont	do				T.				.22		.19	.06	.05							.79		.02	.20	.02		T					.60		2.18
Romney ‖	do										T.									.11				T.							.47		0.58
Stony River Dam	do				.46	.08			.27	.10	.16	.20					.15			.40	.22	.36	.08	.32		.16		.08			.34		3.38
Upper Tract	do			.10																.16		T	T.	T		T.	T.				.39		0.65
Wardensville‖	do				.90								.10	.02					.30	.15					.05						.50		+++
Northern Division																																	
berdeen	Monongahela			.10	.25				.24		.22	T.	.08	T.		T.			T.	1.00	.15	.02	.19	.02		.04				.10	1.33		3.74
lma (near)	Ohio			.05	.06				.22		.18		.06			.02	.02		.18	.70	.19	.02	.11			.03			.01	.02	1.28		3.15
ens Run	do			.11	.08				.22		.15		.02			.05	.02		.07	.98	.12		.10			.05				.05	.84		2.86
rownsville	Monongahela			.12	.22				.22	.06	.24	.01	.12			.07	.01		.05	.94	.11	.06	.19	.10		.08			T	.07	1.38		4.05
ruceton Mills	do		T.	.17	.11				T.		.18	T.	.35		.05	T.		T.	.81	.26	.54	.10	T	T.	.08	.20	T.	T.	T	*	1.00		3.98
uckhannon	do				.30		T.		T.		.45		T.	.41		T.	T.		T.	1.13	.15	T.	T.	.20	T.	T.	T.	T.	.08	.20	1.20		4.10
airo	Little Kanawha																																
larksburg ‖	Monongahela			.15	.12	.02			.15		T.	.24		.05		.02	.02		.02	.42	.42	.03	.05	.03		T.	.05		.01		.45		2.28
ortland ‖	do																																
rawford‖	Little Kanawha			.18	.16				.24		.35		.10				.02		.13	1.27	.09	.02	.21			.04	T.		.12		1.50		4.46
reston	Monongahela			.12	.08				.15		.10	.15							.11	.49	.49	.14		.16						.06	.98		2.95
am 10, Mon. R.‖	Ohio				.26	.08			.14	.06		.35	.04	.14							.42	.10	.26	.05							.25		2.15
am 12, O. R.‖	do			.21					.19			.07		T.		.05	T.		.05	.38	.62	.02	.08	.02		.09					.20		1.98
am 13, O. R.‖	Monongahela			.10	.01	.02			.20					.02			.02		.05	.34	.70	.05	.10	.01		.02	.02				.18		1.84
am 15, Mon. R.‖	do			.02	.55	T.			.18	.06	.03	.27		.11		.03			.04	.34	.30	.08	.15	.09		T.	.08		T.	.10	.51		2.74
avis	do				.36	.05			.40	.11	.15	.14		.37		T.	.11		.02	.76	.30	.25	.15	.48	T.	.13	.44	.02	.03	.03	.44		4.74
lizabeth (D'm 3 L K	Little Kanawha			.19	.04				.16		.11	.12				.05	.08			.46	.50	.04	.08							.20	1.42		3.45
lkins ***	Monongahela			.08	.51		T.		.18		.20		.22	.01		.02	T.		.12	1.04	.08	.15	.18	T.		.11	T.		T.	.26	1.02		3.98
venwood	do																																
airmont‖	do			.04	T.	.01			.15	T.	T.	.25		.06		T.			.03	.39	.32	T.	.11	.08	T.	.04	.08		T.	.05	.31		1.92
lenville ‖	Little Kanawha			.11	.10	.03			.14		.10	.22		.01		.06	.05		.04	.68	.41	.08	.12	.31		.14	.08		.09	.11	.82		3.73
rafton‖	Monongahela					.28			.15	T.	.28									.64	.30	.15		.09	.08			T.		*	.69		2.66
orner	do			.40					.25		.35					.25		.23	.17	1.25	.18				.25		.50				1.40		5.25
orton	do			T.	.43				.19		.09		.38	.27		T.				.79	.08	T.	.43	.20		.24	.28				.92		4.30
nelew (near)	do			.10	.25				.15		.25								.10	1.00	.15		.10			.05				.10	1.20		3.45
st Creek	do			.09	.11		T.		.12	T.	.24	.04	.05			T	T.		.03	.74	.18	.02	.15	.03		.04	T.		T.	T.	1.18		3.02
annington	do			.14	.07		T.		.29	.01	.21	.02	.04	.03		.02	.01		.04	.71	.10	.04	.25	.06		.02			.02	.01	1.16		3.25
organtown	do			.27	T.				.12		.30	T.	T.			.10			T.		.20	.15	.10	T.		.04				T.	1.00		2.28
ew Cumberland‖	Ohio		.06	.22	.02	.03	.02		.12			.07	.04	.12					.03	.20	.59	.10	.10	.05	T.	.04	.08		T.	T.	.12		2.01
ew Martinsville	do			.10	.10				.20		.15								.10	1.05	.05		.20								1.20		3.15
arkersburg ***	do		T.	.03	.06			.02	.09		.11		.01			.04		T.	.13	.92	.04	.04	.05			T.	T.	T.	.01	.21	1.12		2.88
rsons	Monongahela								.45		.16		.40				.45		*	.90		.40		1.22		.08				T.	1.39		5.45
rsons No. 2	do			.04	.37		T.		.33	T.	.34	.03	.25	.12		.03	T.		.06	1.57	.20	.04	.39	.20		.09			.01	.10	1.25		5.42
ilippi	do				.41				.22			.31		.19		.09	.09			.93	.16	.02	.25	.02		T.	T.		.12	.05	.60		3.46
ckens	do			.16	.47			.65		.07	.11		.40			.25			.40	1.40	.32	.32	.56	.32		.64	.16			1.40	1.78		9.41
anoke	do			.10	.27				.21	.01	.30		.06			.04			.01	1.15	.16	.09	.25	.09		.05	T.		T.	.13	1.46		4.38
wlesburg ‖	do				.26	.03			.04	.12	.04	.64	.04	.34			.02			.94	.50	.10	.09	.15		.15	.16		.02	.03	.44		4.11
int Marys ‖	Ohio			.04	.07	.02			.04			.28				.03	.02		T	.48	.70	.02	.05	.05		T.	.05			.04	.73		2.62
rra Alta	Monongahela			.03	.40	T.	T.		.38		.15	.05	.14	.17		.01	.04		.05	.10	.11	.09	.21	.01		.14	.02		.02		1.21		3.33
lley Chapel	do			.10					.30		.20	.01					.02			.85	.20		.20							.01	1.30		3.19
ndalia	do			.21					.29		.17		.14			.04			.41	.59	.29	.21	.10	.13						.18	1.31		4.07
llsburg	Ohio		T.	.22	.02				.18		.08		.13				.12		.05	.90	.04	T.	.12			.08					.62		2.56
st Milford	Monongahela				.28							.45							.15	.80				.25							1.30		3.23
ston	do			.05	.29				.19			.30		.15			.08			.70	.61		.23							.28	.78		3.66
eeling‖	Ohio		T.	.20	.01	.01		T.	.17	T.		.10		.01		T.	T.	T.	.05	.36	.63	.03	.10	.01		.07	T.	T.	T.		.18		1.93
odlands ‖	do			.06	.06				.17	.01	T.	.11		.03		.03	.01			.52	.64	.03	.07	.02						.01	.26		2.05
outhern Division																																	
ovale	Great Kanawha			.09	.39				.06		.27	T.	.25							1.02	.02	T.	.32	.08		.16	.08	T.		.10	1.50		4.34
croft ‖	do			.10	.09				.10		.08		.10						.10	.65	.44	T.				T.	T.			.05	1.10		2.81
efield	do			.04		.27					.24		.06							.18		.08					.11				.26		1.24
nden-on-Gauley‖	do				.44				.20	1.00	T.		1.02								1.40	T.	T.								1.99		6.05
rleston ‖	do			.04	.12				.08			.20					.04		.18	1.18	.36					T.				.14	1.04		3.38
y ‖	do			.08	.04	.09			.14		T.	.18	T.	.02		T.	.01		.03	1.58	.43	.04	.10	.10	T.	T.			.06	.10	.86		3.86
n 6 G. K. ‖	do			.04	.09				.10	T	T.	.18							.12	1.00	T.					T.	T.			.43	1.08		3.04
n 19 O. R. ‖	Ohio		T.	.04	.03				.16		.08	.09		.06		.02	.03		.04	.54	.72	.02	.08	.08		T.	.02		.01	.02	.74		2.78
n 20 O. R. ‖	do		T.	.04	T.	.08			.08		.08	.08				.04	.04		.04	.55	.65	T.	.06	.10			.02		.02	T.	.84		2.72
n 25 O. R. ‖	do			.08	.02	.05			.05		.05	.06		T.		.04	.02		.02	.55	.60		.02	.10		T.	T.		.01	.03	1.12		2.82
n 26 O. R. ‖	do			.08	.03						.25	.10				.03	.05		.02	.42	.56									.06	.95		2.55
y‖	Big Sandy				.30	.02			.35			.19								.15	.47	.04	.05	T.		T.	.05				.26		1.88
ton ‖	do				.32	.01			.22	.02		.09	.02							.38	.23		.01	.05			.07			.01	.28		1.71
awha Falls‖	Great Kanawha				.20	.04			.08	.04		.24				.06				2.20	.50			.10						.10	.80		4.36
ford‖	do				.32	.01			.12	.11		.21								1.87	.52	.05	.04	.09			.04		.01	.03	1.12		4.54
mit ‖	Big Sandy				.10					.08		.10						.15		1.50	.35	.01					.05		.20		1.00		3.54
isburg	Great Kanawha			.04	.33				.22		.07	.02								.49	T.		T.	T.		T.				.13	.70		2.00
an ‖	Guyandotte				.15				.18	T.	.05	.30							.03	1.90	T.						.04			.55	1.10		4.30
linton	Great Kanawha		T.	.06	.56				.12		.28		.16						T.	1.08	T.	T.	.10	.30	T.	.10	T.		T.	.22	2.02		5.00
n Cave	do			.30	.20						T.								.20		T.	T.	.08	.08	T.	T.					1.35		2.21
t Pleasant ‖	Ohio				.08	T.			T.	T.	.22	T.					.03			.51	.63		.10	.08		T.	T.				1.11		2.76
ellton	Great Kanawha								.20				.20			.10		.30	1.80												2.00		+++
nswood (Dam 22	Ohio			.08	.05				.07		.03	T.				.03	.05		.04	.38	.55	.02	.04	.10		T.	T.			.03	.78		2.25
rtsburg ‖	Great Kanawha			.06	.04	.02			.07		.13	.12	.02			.02	.02		.07	.54	.39								.01	.10	1.22		2.83
n	do		T.	.10	.10				.14		.24	.03	.02			.04	.03		.23	.97	.12		.12	.05		.03			.05	.15	1.88		4.30
ples‖	Coal River			T.	.42	T.			.15			.52							T.	1.90	.58					.10	T.	T.	T.	T.	1.91		5.61
cer ‖	Great Kanawha		.05		.07	.03				.15	.15	.18					.08		.18	.46	.29	T.	.08	T.	.16	T.	T.				1.22		3.10
n	Gauley			.12	.45	.13			.22		.20		.20			.23			.37	1.40	.20		.30			.16			.15	.20	1.60		5.93
n	do			.07		.27			.14		.09		.06							.39		T.		T.							.46		1.48
ne‖	Big Sandy			.14	.03				.08	T.	.14	.16				T.	.02		.08	1.15	.50					T.	.07		.03	.06	1.52		3.98
e Sulpr. Spgs. ‖	Great Kanawha			.30				.20											.30	.25		.10	T.			T			.10	.35	.30		1.90
amson ‖	Big Sandy			.04					.15		.05	.19							.54	1.97	.50	.09	T.	T.		.03			.10	.15	.70		4.51

‖ Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for November, 1928

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	62	68	65	58	61	54	60	59	37	37	36	43	....	....	....	64	71	68	68	48	40	38	33	37	37	26	37	39	36	55	....	49.5
	Minimum	33	22	39	39	33	29	37	36	33	26	30	26	....	....	....	38	40	46	48	28	27	31	26	26	21	19	20	26	22	36	....	31.0
Brandywine	Maximum	64	65	62	50	60	55	52	58	40	40	40	42	47	57	65	65	70	72	70	52	53	52	35	45	45	27	35	42	48	55	....	52.1
	Minimum	25	33	40	35	28	30	25	34	30	24	24	21	34	22	24	42	40	39	52	34	31	30	27	22	20	18	22	30	35	42	....	30.4
Martinsburg§	Maximum	64	66	67	56	65	65	67	65	49	45	50	53	55	52	77	76	75	81	75	55	47	47	41	51	35	38	38	52	50	....	....	57.5
	Minimum	26	30	46	47	36	37	40	42	38	24	30	24	34	23	24	40	43	42	59	41	36	37	33	30	30	23	23	30	34	40	....	34.7
Moorfield	Maximum	61	68	81	65	66	62	66	65	50	46	50	58	50	69	69	78	79	81	62	56	38	65	67	58	59	36	42	45	52	53	....	59.6
	Minimum	25	31	47	48	31	36	30	46	38	26	24	32	40	20	17	55	40	57	45	25	33	34	21	25	18	20	25	29	39	41	....	33.6
Piedmont	Maximum	58	60	65	55	65	58	63	58	42	39	44	47	44	55	63	69	75	63	68	49	41	40	35	44	41	28	41	41	45	50	....	51.5
	Minimum	29	35	49	46	39	46	32	42	39	30	32	28	34	25	40	57	44	47	49	35	31	34	33	30	23	21	28	34	41	41	....	36.5
Romney	Maximum	62	69	60	68	....	....	68	63	42	46	55	50	38	62	70	76	77	79	74	42	46	44	52	46	33	34	42	49	49	....	....	55.4
	Minimum	25	31	37	45	38	....	....	33	38	27	30	25	36	23	27	45	45	47	59	39	32	32	31	28	27	21	22	31	36	40	....	33.9
Upper Tract	Maximum	....	....	....	....	76	75	75	63	61	52	48	49	70	69	68	71	75	73	70	69	60	58	52	50	46	29	34	48	50	52	....	59.3
	Minimum	....	....	....	....	30	29	30	34	33	26	25	26	26	43	46	51	50	49	47	46	38	29	27	25	20	18	20	24	24	39	....	32.9
Wardensville	Maximum	64	....	....	78	64	60	62	67	65	64	65	66	59	58	72	70	77	71	....	....	....	....	....	60	66	60	65	60	65	....	....	65.4
	Minimum	20	26	....	....	28	27	31	30	35	29	25	20	19	15	20	30	36	37	35	....	....	....	....	....	35	17	20	25	21	25	....	26.3
Northern Division																																	
Bens Run	Maximum	58	59	58	56	57	60	62	58	45	49	43	51	50	57	65	69	76	75	61	49	44	42	39	47	46	32	46	46	49	55	....	53.5
	Minimum	34	38	49	46	34	40	52	44	34	35	35	35	40	29	44	59	42	56	46	34	31	37	23	30	24	20	26	36	40	40	....	37.8
Buckhannon	Maximum	59	67	62	55	55	43	51	47	46	36	35	41	42	55	....	....	....	....	....	....	40	38	40	46	45	28	32	41	46	54	....	46.0
	Minimum	29	35	50	44	31	34	28	38	36	32	33	30	38	24	39	55	45	58	50	32	29	30	32	34	24	17	21	30	40	45	....	35.4
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Clarksburg §	Maximum	65	63	63	53	62	59	66	55	44	38	46	49	50	68	57	60	69	62	69	37	44	39	38	45	33	32	45	42	52	55	....	52.0
	Minimum	29	31	40	44	31	31	27	29	31	30	34	30	39	24	25	54	39	60	55	34	31	30	30	29	32	18	19	27	35	40	....	33.6
Creston	Maximum	65	66	60	62	60	63	67	60	49	46	47	54	53	69	67	69	77	74	62	48	45	47	40	48	47	40	48	46	47	56	....	56.1
	Minimum	28	34	40	44	30	34	25	43	30	34	34	29	34	23	39	50	44	56	46	34	30	34	28	29	24	15	19	31	38	42	....	34.0
Elkins	Maximum	61	69	63	49	63	54	62	55	38	39	37	44	42	68	62	65	74	68	70	37	44	35	29	42	38	27	42	42	45	54	....	50.6
	Minimum	28	31	49	36	29	33	26	37	31	30	28	27	27	22	38	47	44	58	37	28	27	29	24	26	17	16	24	29	40	43	....	32.0
Fairmont§	Maximum	65	68	61	53	65	60	69	55	44	38	44	49	51	68	68	73	78	64	65	37	45	40	37	44	29	30	45	42	50	50	....	52.9
	Minimum	31	31	42	45	35	40	23	32	35	34	25	33	38	24	28	46	52	57	50	36	30	30	31	29	26	17	19	24	35	40	....	34.0
Glenville	Maximum	67	71	63	56	65	70	68	59	47	45	46	50	55	71	65	73	78	75	71	50	45	48	39	48	46	32	47	44	45	50	....	56.5
	Minimum	27	32	47	43	30	37	26	44	32	31	34	28	38	21	38	47	42	57	47	32	30	31	28	24	23	18	18	30	38	39	....	33.7
Grafton	Maximum	....	....	....	60	48	70	56	38	40	42	45	42	36	35	40	45	72	60	37	44	37	42	40	30	50	55	42	52	50	....	....	46.5
	Minimum	....	....	....	....	30	25	40	32	27	32	26	36	20	22	21	25	28	34	32	30	28	27	25	25	14	20	27	35	35	37	....	28.2
Lost Creek	Maximum	65	65	60	55	63	60	68	59	43	40	40	48	50	69	65	69	77	70	68	50	42	44	34	44	43	29	43	41	43	54	....	53.4
	Minimum	25	31	45	43	30	35	23	42	26	27	33	37	38	19	36	54	45	57	50	32	29	32	29	26	23	14	22	39	39	42	....	33.8
Mannington	Maximum	59	62	61	56	57	58	63	58	44	42	43	49	48	63	65	70	73	67	62	48	40	42	35	44	44	30	42	42	44	55	....	52.2
	Minimum	25	34	43	45	30	35	24	44	32	32	32	30	38	24	37	52	44	55	48	34	31	33	31	29	22	18	21	30	38	42	....	34.4
Morgantown	Maximum	60	60	60	56	60	57	62	58	44	42	42	50	44	64	64	70	73	69	68	46	40	42	34	42	44	28	40	40	43	54	....	51.9
	Minimum	28	40	53	43	37	45	33	39	35	32	32	34	36	27	52	52	57	58	45	31	29	30	29	29	20	17	24	33	37	41	....	36.6
New Cumberland§	Maximum	61	54	63	58	59	60	62	49	45	41	50	48	48	63	65	69	77	61	50	40	40	42	39	44	29	34	42	42	52	....	....	51.3
	Minimum	29	32	43	41	30	32	29	30	39	35	34	36	39	29	30	54	54	54	44	35	30	31	30	30	26	20	20	27	34	39	....	34.5
New Martinsville	Maximum	65	60	59	58	59	62	66	63	47	45	48	52	56	66	67	68	76	71	64	50	43	42	40	45	47	31	47	44	44	55	....	54.7
	Minimum	31	40	48	45	32	39	29	45	33	34	34	36	40	27	43	54	51	57	47	34	32	35	28	31	23	19	23	35	39	42	....	36.9
Parkersburg	Maximum	59	60	59	55	56	60	65	56	48	39	46	50	51	65	66	69	75	69	49	41	46	43	40	48	38	33	48	46	46	56	....	52.7
	Minimum	34	41	47	42	32	41	32	40	35	34	35	36	37	31	54	57	57	49	39	34	32	35	29	35	23	22	28	35	41	41	....	37.6
Parsons	Maximum	64	70	69	56	76	72	72	53	40	38	39	45	42	66	62	69	77	71	70	47	43	40	32	41	41	26	43	40	44	54	....	53.4
	Minimum	28	30	48	36	30	27	32	37	34	28	31	26	33	23	34	53	42	56	46	30	28	32	27	22	19	17	24	27	38	42	....	32.7
Pickens	Maximum	57	69	62	49	62	62	52	39	41	39	34	40	52	61	59	62	69	63	64	34	39	34	35	38	34	23	39	43	42	50	....	48.3
	Minimum	23	27	43	34	24	23	29	22	23	22	21	21	21	20	39	41	40	53	32	20	18	23	18	13	10	9	9	13	22	34	....	24.9
Terra Alta	Maximum	63	66	57	56	58	52	61	51	35	33	33	40	37	63	56	64	69	68	66	45	35	34	27	36	36	20	35	36	37	51	....	47.3
	Minimum	22	31	46	39	35	39	30	35	30	25	27	27	31	21	39	53	44	53	44	27	23	27	24	23	12	12	20	30	33	34	....	31.2
Wellsburg	Maximum	54	52	62	57	53	58	60	51	45	42	46	48	47	60	65	68	74	65	56	45	40	42	39	44	42	31	42	40	44	55	....	51.0
	Minimum	39	36	46	46	27	26	22	43	33	35	32	31	39	24	39	50	54	48	45	34	31	34	30	31	23	20	21	31	39	41	....	35.0
Weston	Maximum	62	68	67	60	62	50	52	50	52	55	50	52	58	65	60	70	70	74	70	65	45	50	46	38	45	38	45	50	49	55	....	55.8
	Minimum	29	38	50	42	31	35	30	31	30	30	30	32	32	25	48	50	42	58	50	38	30	35	30	25	24	18	25	32	42	40	....	35.1
Wheeling§	Maximum	60	51	60	62	58	65	60	56	45	41	52	51	52	64	68	72	77	70	70	45	45	44	41	44	32	32	44	42	52	55	....	53.7
	Minimum	26	32	41	40	30	30	30	30	33	35	30	32	40	29	32	52	52	52	50	32	28	30	27	27	22	12	16	22	32	35	....	32.6
Southern Division																																	
Bluefield	Maximum	61	72	67	....	66	60	63	60	56	49	....	46	51	65	68	63	66	....	71	51	43	40	36	51	....	50	40	45	....	54	....	55.8
	Minimum	33	43	50	....	33	41	38	43	35	33	....	32	33	35	43	43	41	....	50	28	24	31	25	28	....	14	21	32	....	40	....	34.9
Charleston§	Maximum	70	78	68	50	68	68	72	60	60	46	62	54	62	78	70	74	78	62	60	40	50	46	48	50	40	44	50	50	50	60	....	58.9
	Minimum	34	36	40	45	36	38	35	35	32	34	37	34	36	31	31	48	46	48	52	38	32	32	32	28	32	24	24	24	35	40	....	35.6
Gary §	Maximum	66	75	72	47	68	65	66	57	54	44	43	49	56	72	73	68	73	71	70	37	48	41	38	56	32	33	45	49	53	57	....	55.9
	Minimum	31	32	37	44	36	33	37	38	48	33	36	29	33	27	27	40	40	39	56	36	30	31	30	22	24	20	17	19	36	46	....	33.6
Hinton	Maximum	59	70	57	46	60	65	60	59	51	37	43	47	55	38	42	41	72	67	68	36	48	31	38	55	33	35	35	47	49	53	....	49.9
	Minimum	31	32	40	46	37	34	37	38	40	34	36	29	38	27	27	38	40	41	52	36	31	31	30	22	23	22	21	22	35	40	....	33.7
Lewisburg	Maximum	58	67	65	60	56	59	58	59	47	42	40	52	47	60	68	64	67	65	65	54	42	47	38	49	50	29	37	44	48	48	....	52.8
	Minimum	27	33	46	41	30	29	31	43	36	29	33	24	34	22	32	38	35	45	49	30	26	31	26	19	20	17	22	23	38	42	....	31.7
Marlinton	Maximum	54	56	60	54	50	54	54	52	40	38	38	44	44	58	62	60	64	60	56	38	36	34	32	32	24	24	36	38	44	46	....	46.1
	Minimum	22	28	42	32	26	34	30	36	26	26	24	22	26	16	36	38	38	42	38	26	26	28	18	18	14	14	20	30	38	40	....	28.5
Point Pleasant	Maximum	55	59	59	60	60	60	70	60	55	50	50	50	55	68	60	68	78	75	78	70	55	50	55	50	45	40	50	45	50	45	....	57.5
	Minimum	30	40	39	39	35	40	45	40	40	30	30	30	30	35	42	50	50	55	50	32	30	30	34	30	28	23	30	30	33	30	....	36.0
Powellton	Maximum	71	75	79	63	79	75	71	74	73	75	74	69	63	65	71	72	73	68	69	68	64	63	60	....	56	53	49	52	53	56	....	66.7
	Minimum	31	38	42	33	29	31	35	36	32	36	38	28	33	34	29	34	41	38	40	31	30	29	28	....	24	22	22	25	30	31	....	32.2
Ravenswood	Maximum	63	64	63	57	58	62	66	61	52	47	48	64	63	70	65	70	76	74	63	47	47	48	42	50	....	....	....	....	....	....	....	59.2
	Minimum	30	32	32	45	30	31	26	41	31	34	36	45	35	26	42	53	52	57	45	33	31	35	28	29	26	22	21	36	41	45	....	35.7
Robertsburg§	Maximum	65	67	59	53	60	63	60	55	52	40	48	51	58	72	65	70	77	65	49	38	50	43	43	50	31	37	48	47	52	57	....	54.2
	Minimum	31	32	42	45	32	36	29	29	29	34	34	36	30	27	28	53	48	49	48	36	30	33	29	26	31	22	21	24	38	42	....	34.1
Ryan	Maximum	65	67	65	56	55	65	65	53	50	40	45	50	50	70	65	68	78	67	65	43	45	45	40	46	43	32	45	45	46	56	....	54.2
	Minimum	26	48	33	40	28	30	23	38	25	32	33	27	29	21	36	45	43	54	43	32	28	32	26	21	25	18	15	26	37	44	....	31.9
Spencer §	Maximum	65	65	63	50	64	52	67	54	50	40	47	50	53	72	65	70	75	62	64	44	47	40	40	47	32	33	48	54	54	57	....	54.1
	Minimum	30	50	50	44	35	35	26	51	30	32	35	30	34	25	46	53	47	57	52	34	29	36	28	27	29	21	25	33	41	40	....	36.8
Sutton	Maximum	59	66	66	65	57	59	62	62	49	44	44	45	45	61	61	63	76	76	60	49	45	45	46	48	48	30	42	43	44	47	....	53.6
	Minimum	30	33	48	43	32	32	29	41	35	32	36	28	37	23	31	45	42	47	42	32	31	30	24	28	25	21	18	31	38	40	....	33.5
Union	Maximum	59	66	69	....	64	62	62	59	48	49	....	50	48	62	69	69	68	....	71	53	42	43	37	53	....	50	38	47	51	51	....	55.4
	Minimum	26	38	46	....	31	31	30	45	38	30	....	24	35	25	32	36	35	....	51	32	27	33	27	25	....	17	22	28	38	43	....	32.5
White Sulphur Spgs§	Maximum	67	68	47	61	62	63	56	52	43	43	49	53	65	49	66	70	68	68	38	47	43	31	52	32	32	39	46	51	53	....	....	52.3
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Williamson §	Maximum	63	71	60	68	66	64	61	56	52	49	47	51	53	65	72	68	72	73	65	45	42	42	43	50	40	35	44	44	50	....	....	55.6
	Minimum	39	40	47	41	44	47	41	47	41	40	40	40	32	34	39	48	46	48	60	36	33	34	29	30	33	20	22	28	38	38	....	38.5

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 12-28-28—850)

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXVI PARKERSBURG, W. VA., DECEMBER, 1928 No. 12

GENERAL SUMMARY

December was somewhat warmer and much drier than usual, with the average snowfall, 0.9 inch, the least of December State record. The month was free from periods of unusually high or unusually low temperature. A temperature of zero or below was not noted. The precipitation, although light, was fairly well distributed over the State and throughout the month, although more than one-third of the month's precipitation was measured on the 14-15th. There was much fair weather, the average number of clear days, 13, being the record for December, except in 1916, when the average was the same. Owing to freezing and thawing, without snow-cover, the conditions were unfavorable for winter grains.

TEMPERATURE

The monthly mean for the State, determined from 45 stations, was 35.4°. The departure from the normal for 38 stations having ten or more years of record was +2.0°. The temperature was considerably above the normal from the 1st to the 4th, 12th to the 18th, and from the 24th to the 30th, with the highest readings occurring generally on the 13th. The coldest weather prevailed from the 6th to the 10th and the 20th to the 22d, the lowest readings occurring in most sections on the 21st and 22d, although the lowest readings were recorded at 10 stations on the 10th.

PRECIPITATION

The average precipitation for the State, determined from 83 stations, was 2.08 inches. The departure from the normal for 57 stations having ten or more years of record was —1.35 inches. Nearly all the precipitation was measured on the 1st, 5th, 14-15th, 17-18th, and the 27-29th, the greatest amounts being noted on the 14th. In most of the agricultural districts the snowfall was unimportant, ranging generally from a trace o one inch. In most sections of higher altitude light snow fell n the 5th, 7th, 18th, 28th, and 29th. At forty stations the nowfall did not exceed a trace. At Bayard and Pickens the nonthly amounts were 8.5 and 9 inches respectively.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 16th; Bayard, 16th; Bens Run, 2d, 4th, and 16th; Clay, 15th; Elkins, 2d, 14th, 16th, and 20th; airmont, 14th and 16th; Glenville, 13th; Hinton, 4th, 7th, 1th, 16th, 19th, 25th, and 26th; Lewisburg, 16th; Manning-on, 14th and 16th; Marlinton, 2d, 3d, 4th, 14th, 15th, and 3th; Organ Cave, 2d, 3d, and 18th; Parkersburg, 16th; arsons, 14th and 15th; Pickens, 8th and 15th; Terra Alta, 5th, 16th, and 28th; Wellsburg, 13th; Wheeling, 2d, 4th, 6th, 7th, 10th, 11th, 12th, 13th, 16th, 22d, 24th, 26th, 27th, 29th, and 30th.

Halos, lunar: Elkins, 24th and 26th.

Halo, solar: Clarksburg, 30th.

Sleet: Davis, 28th; Lost Creek, 5th.

Thunderstorm: Lewisburg, 14th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity Miles per hour	Max. velocity Direction	Max. velocity Date
Cincinnati, Ohio	30.17	86	66	68	148.5	51	4,283	5.8	24	w.	17
Columbus, Ohio	30.15	81	67	70	127.1	44	5,999	8.1	33	w.	18
Elkins	30.21	88	65	75	126.0	43	2,849	3.8	27	w.	17
Lexington, Ky	30.19	76	63	....	160.7	54	8,262	11.1	40	nw.	17
Parkersburg	30.18	78	59	66	124.4	42	3,021	4.1	24	nw.	17
Pittsburgh, Pa	30.16	76	62	64	138.7	48	6,036	8.1	37	sw.	17
Wytheville, Va	30.18	80	58	66	161.0	54	3,941	5.3	25	w.	17

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 01 inch or more	Clear	Partly Cloudy	Cloudy
1891	40.9	75	6	3.27							
1892	34.1	72	−10	2.91	.....	.....	.....	8	.....	.....	.....
1893	37.1	76	7	2.05	3.73	0.56	.....	9	10	8	13
1894	36.3	80	−29	4.04	6.56	1.71	.....	9	11	7	13
1895	36.9	72	−6	2.87	4.14	1.85	7.1	9	8	9	14
1896	35.3	67	2	1.68	2.88	0.57	.....	6	12	9	10
1897	37.3	72	−4	4.00	6.79	2.05	.....	13	6	9	16
1898	33.4	69	−12	2.66	4.23	0.71	7.0	10	12	8	11
1899	33.3	77	−17	2.81	4.46	1.22	3.9	10	11	8	12
1900	34.6	66	3	2.26	3.45	1.32	1.0	7	11	7	13
1901	32.3	75	−9	5.84	8.97	3.57	3.8	11	7	8	16
1902	33.9	70	−2	5.33	9.95	2.01	9.4	14	5	7	19
1903	26.5	59	−11	2.00	4.43	0.30	7.8	8	12	8	11
1904	32.8	71	−20	3.12	5.91	1.63	9.8	10	8	7	16
1905	35.6	70	3	3.11	5.24	1.30	3.4	9	11	6	14
1906	35.9	70	−1	4.73	11.15	1.83	6.2	14	5	6	20
1907	35.5	70	−2	3.36	9.31	0.70	5.2	12	9	8	14
1908	36.4	73	5	3.03	7.36	1.06	6.0	10	9	8	14
1909	28.8	78	−10	2.55	6.00	1.16	10.9	10	9	8	14
1910	28.4	72	−8	2.72	6.90	1.00	14.6	12	7	7	17
1911	39.3	74	4	3.27	5.58	1.25	1.6	12	9	5	17
1912	35.8	76	−6	2.88	5.55	1.45	7.1	10	12	7	12
1913	36.4	68	3	2.82	3.81	1.10	2.9	8	9	8	14
1914	30.3	70	−20	5.46	8.04	2.58	12.5	16	7	4	20
1915	32.8	68	0	4.35	7.19	1.35	7.6	11	5	7	19
1916	32.8	77	−18	3.33	6.38	0.85	10.6	10	13	7	11
1917	24.3	67	−37	1.51	3.32	0.47	11.8	8	11	6	14
1918	41.0	74	0	4.41	8.14	2.70	3.2	12	8	6	17
1919	30.4	72	−15	4.07	7.35	1.17	7.8	9	10	6	15
1920	35.6		0	2.55	5.13	1.32	3.7	10	6	7	18
1921	37.0	79	0	4.25	7.51	1.11	7.5	11	7	7	17
1922	36.6	75	2	4.71	7.27	1.03	3.6	11	10	5	16
1923	43.1	78	0	5.82	10.96	1.00	2.4	14	11	5	15
1924	33.1	83	−8	2.58	5.69	0.58	1.7	10	10	6	15
1925	32.5	75	−8	1.20	3.42	0.38	2.7	7	10	6	15
1926	33.9	72	−14	5.10	10.57	1.65	2.5	15	8	4	21
1927	34.4	78	−6	3.72	6.78	0.42	3.8	12	9	5	17
1928	35.4	79	1	2.08	5.50	0.50	0.9	7	13	5	13
1891-1928	34.5	83	−37	3.38	11.15	0.30	5.6	10	9	7	15

Climatological Data for December, 1928

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	27	32.0	+3.5	62	13	3	22	45	5.22	+1.25	1.43	8.5	10	17	4	10	sw.	U. G. Clark
Brandywine	Pendleton	1,586	12	32.8	0	60	13	6	10	40	1.05	−0.79	...	1.0	5	15	5	11	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	39	...	...	...	...	...	...	...	1.46	−1.06	1.09	0	4	...	...	...	...	J. C. Newcomer
Martinsburg	Berkeley	435	36	^{b}35.8	+3.1	...	...	10	22	44^{c}	1.85	−1.18	1.05	T.	4	24	4	3	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	32	36.4	+3.3	64	3	8	10†	47	0.77	−1.43	0.50	0	3	27	1	3	...	M. S. Henkel
Perry††	Hardy	...	0	...	...	...	...	...	...	...	0.24	...	0.16	0	2	20	4	7	w.	W. R. Paddock
Piedmont	Mineral	1,053	15	34.0	+1.2	55	3†	9	22	27	1.13	−1.37	1.00	0	3	16	3	12	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	30	^{a}35.0	+2.6	61^{a}	17	7	22	41^{a}	0.60	−1.82	0.60	T.	1	12	6	13	...	George E. Bergdoll
Stony River Dam	Grant	3,300	8	...	...	...	...	...	...	...	2.22	...	0.66	4.0	6	11	6	14	w.	A. C. Becker
Upper Tract	Pendleton	1,230	29	^{a}34.8	+1.3	62^{a}	14	9^{a}	22†	41^{a}	0.50	−1.48	0.40	0	2	10^{b}	0^{b}	19^{b}	w.	J. M. Mallow
Wardensville	Hardy	1,200	11	...	...	68^{k}	14	...	...	...	...	...	...	...	...	...	...	...	...	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	4	...	...	...	...	...	...	...	2.26	...	1.00	T.	8	11	12	8	w.	L. Else Bond
Alma (near)	Tyler	...	1	...	...	...	...	...	...	...	2.24	...	1.00	0.5	8	16	5	10	...	D. N. Furbee
Bens Run	Pleasants	652	26	36.5	+3.1	62	4	12	21†	34	1.91	−1.85	0.70	T.	6	14	5	12	...	J. D. Riggs
Brownsville	Lewis	1,032	5	34.9	...	65	13	9	10†	45	2.47	...	0.94	2.0	10	17	3	11	...	George M. Myers
Bruceton Mills	Preston	1,549	11	...	...	...	...	...	...	...	1.98	−1.62	0.94	1.0	7	10	9	12	sw.	W. M. Wolf
Buckhannon	Upshur	1,411	31	35.4	+2.4	61	13	12	22	40	2.47	−1.54	1.10	T.	7	16	1	14	...	H. A. Darnall
Cairo	Ritchie	680	29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	O. C. Hess
Clarksburg	Harrison	1,015	6	33.6	...	65	13	9	22	45	3.06	...	1.00	...	9	14	5	12	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	G. W. Harmon
Crawford	Lewis	1,107	5	...	...	...	...	...	...	...	2.69	...	1.48	T.	6	12	13	6	w.	George W. Blair
Creston	Wirt	640	26	36.2	+2.3	67	13	10	21†	47	2.10	−1.23	0.67	1.1	10	13	0	18	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	7	...	...	...	...	...	...	...	2.82	...	1.18	...	9	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	12	...	...	...	...	...	...	...	2.08	−0.94	0.70	...	7	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	12	...	...	...	...	...	...	...	1.86	−1.44	0.58	...	8	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	7	...	...	...	...	...	...	...	2.47	...	1.09	T	8	...	...	...	...	Lockmaster
Davis	Tucker	3,093	19	...	...	...	...	...	...	...	3.31	−1.53	0.83	4.4	9	12	5	14	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	16	...	...	...	...	...	...	...	1.51	−1.80	0.42	1.0	7	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	27	33.8	+0.1	63	13	9	22	40	2.68	−0.74	1.36	2.7	9	8	6	17	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	3	...	...	...	...	...	...	...	1.05	...	0.46	2.1	7	5	8	18	s.	Claude A. Cunningham
Fairmont	Marion	883	22	35.4	+1.9	70	13	10	21†	46	2.56	−0.83	0.82	0.5	9	14	4	13	w.	J. C. Robinson
Glenville	Gilmer	738	34	38.4	+3.4	68	13	10	22	48	2.83	−0.86	1.15	1.0	10	15	7	9	w.	Howard R. Brannon
Grafton	Taylor	1,000	35	29.6	...	67^{a}	12	9	9†	47^{a}	2.05	−1.46	0.80	T.	5	8	9	14	w.	Curtis Boice
Horner††	Lewis	1,044	5	...	...	...	...	...	...	...	3.64	...	1.25	...	6	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	3	...	...	...	...	...	...	...	2.20	...	0.80	5.0	8	15	2	14	w.	J. W. White
Janelew (near)	Lewis	1,020	5	36.1	...	65	13	8	22	45	1.75	...	0.85	0	7	19	4	8	sw	Dan Burkholder
Lost Creek	Harrison	1,026	30	34.7	+0.9	66	13	8	10†	48	2.37	−1.12	1.01	T.	8	15	5	11	w.	Allen Smith
Mannington	Marion	985	25	33.8	+1.3	61	13	9	22	40	2.07	−1.45	1.00	1.5	10	14	1	16	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	35	36.6	+3.1	67	13	10	21†	40	2.37	−0.71	1.30	T.	6	1	3	27	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	30	^{b}33.0	+2.2	55^{a}	17	8^{a}	22	39	1.98	−0.73	0.58	0.2	8	9	5^{a}	16^{a}	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	34	37.2	+2.4	65	13	11	22	40	1.70	−1.86	0.60	T.	6	15	6	10	s.	Wm. Ankrom
Parkersburg	Wood	638	41	37.2	+2.0	62	14	14	21	34	1.59	−1.18	0.69	0.1	9	11	5	15	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	28	33.6	+2.4	60	17	9	23	40	5.50	+1.71	...	T.	7	12	6	13	...	J. W. Swisher
Parsons No. 2	Tucker	...	2	...	...	...	...	...	...	...	2.62	−1.17	1.14	0.5	8	13	10	8	...	Robert T. Deem
Philippi	Barbour	1,550	31	...	...	...	...	...	...	...	3.60	−0.23	1.27	...	7	...	...	...	...	H. F. Brittingham
Pickens	Randolph	2,697	25	31.1	−3.7	60	13	5	21	33	2.64	−2.56	0.90	9.0	6	16	5	10	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	5	...	...	...	...	...	...	...	1.91	...	1.07	...	8	15	8	8	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	41	...	...	...	...	...	...	...	3.34	−0.70	1.05	0	8	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	19	...	...	...	...	...	...	...	2.25	−1.25	0.65	...	10	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	27	33.5	+3.5	64	13	1	22	42	1.66	−3.50	0.84	5.8	7	9	6	16	w.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	5	35.4	...	64	13	10	21†	43	2.41	...	1.60	T.	9	17	5	9	w.	J. C. Campbell
Vandalia	Lewis	1,120	5	...	...	...	...	...	...	...	2.18	...	1.39	...	4	...	...	...	...	Creed H. McCue
Wellsburg	Brooke	668	21	34.5	+3.5	60	13	7	22	35	1.78	−1.24	0.62	T.	5	8	8	15	w.	George P. Pfister
West Milford	Harrison	979	3	...	...	...	...	...	...	...	2.60	...	1.50	...	5	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	33	36.8	+3.8	62	13	12	22	33	2.76	−0.94	0.88	0	7	0	20	11	...	Weston State Hospital
Wheeling	Ohio	645	41	34.3	+2.7	66	13	9	21†	46	2.04	−0.97	0.70	0.3	7	15	5	11	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	1	...	...	...	...	...	...	...	2.32	...	0.58	0	9	9	7	15	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	2	...	...	...	...	...	...	...	1.74	...	0.80	3.0	7	15	4	12	sw.	H. S. Sutton
Bancroft	Putnam	574	24	36.6	+1.7	67	13	14	21	41	1.63	−1.72	0.62	0.5	8	22	0	9	ne.	R. E. Dent
Bluefield †	Mercer	2,558	33	38.0	+2.8	61	17	17	6†	30	0.64	−2.27	0.22	T.	7	9	6	10	...	Norfolk & Western Ry
Camden-on-Gauley	Webster	2,029	13	...	...	...	...	...	...	...	1.34	−3.06	1.10	T.	3	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	25	40.7	+1.0	68	3	19	10†	41	2.06	−1.45	0.68	0	8	4	0	27	...	R. O. Fields
Clay	Clay	706	12	...	...	...	...	...	...	...	2.75	−1.33	0.67	0.1	11	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	2	...	...	...	...	...	...	...	1.29	...	0.48	0	6	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	12	...	...	...	...	...	...	...	2.74	−0.64	0.74	...	11	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	12	...	...	...	...	...	...	...	2.40	−1.14	0.62	...	10	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	1	...	...	...	...	...	...	...	1.82	...	0.44	T.	11	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	12	...	...	...	...	...	...	...	1.58	...	0.55	T.	10	...	...	...	...	U. S. Engineer Office
Gary	McDowell	1,426	12	36.2	...	66	17	15	10	35	1.39	−2.54	0.51	0	8	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	31	35.3	+0.4	61	3	16	10	36^{c}	1.76	−1.04	0.52	0	10	8	6	17	...	Mrs M. L. McClung
Kanawha Falls	Fayette	618	9	...	...	...	...	...	...	...	2.18	...	0.66	0	7	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	12	...	...	...	...	...	...	...	1.85	−1.60	0.56	T.	8	...	...	...	...	Cabin Creek Con. Coal
Kermit	Mingo	579	2	...	...	...	...	...	...	...	1.00	...	0.30	0.3	6	...	...	...	...	E. B. Kirk
Lewisburg	Greenbrier	2,250	28	34.8	+2.6	59	18	12	10†	38	1.35	−1.90	0.56	1.5	6	16	4	11	nw.	Geo. F. Argabrite
Logan	Logan	706	25	...	...	...	...	...	...	...	1.78	−2.80	0.52	0	7	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	29	29.2	0	54	13	4	10	38	2.26	−1.62	0.82	1.0	7	11	11	9	n.	S. L. Brown
Organ Cave	Greenbrier	...	2	...	...	...	...	...	...	...	2.39	...	0.65	3.0	8	9	4	18	w.	J. J. Hedrick
Point Pleasant	Mason	595	35	37.2	+2.0	60	14†	12	21	33	2.64	−0.79	0.80	0	10	13	5	13	nw.	Miss Grace E. Henson
Powellton ^{c}	Fayette	904	34	39.9	+3.4	66	31	16	11	41	0.70	−2.36	0.30	0	3	...	...	...	...	Elkhorn-Piney Coal C
Ravenswood (Dam 22)	Jackson	584	5	^{m}37.7	...	...	...	11	10	...	2.05	...	0.80	0	7	14	0	17	ne.	Lockmaster
Robertsburg	Putnam	570	28	^{a}36.4	+2.4	66^{a}	13	12	9†	41^{a}	1.70	−1.76	0.49	T.	10	12	0	19	...	M. Frazier
Ryan	Roane	700	25	35.0	+1.1	65	3	10	10†	40	1.36	−2.09	0.63	1.1	9	13	9	9	...	Wm. E. Ryan
Sharples	Logan	...	8	...	...	...	...	...	...	...	1.76	...	0.56	0	6	...	...	...	...	R. W. Howard
Spencer	Roane	789	24	36.6	+2.1	67	13	10	21	44	2.02	−1.35	0.65	T.	7	8	13	10	...	A. M. McKown
Sutton	Braxton	850	22	35.8	+2.2	59	13†	11	7	36	2.93	−1.01	1.35	3.0	7	23	0	8	...	C. B. Eakle
Union	Monroe	2,250	24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	W. M. H. Young
Wayne	Wayne	598	1	...	...	...	...	...	...	...	1.17	...	0.34	T.	11	...	...	...	...	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	18	...	...	63^{a}	12	...	...	...	1.55	−1.61	0.50	0	6	25	1	5	...	H. E. Green
Williamson	Mingo	673	28	^{a}40.3	+3.4	65^{a}	17	23	22	25^{a}	1.75	−1.31	0.44	0.5	9	15	0	16	ne.	A. J. Maynard
State averages and extremes				35.4	+2.0	70	13	1	22	48	2.08	−1.35	1.50	0.9	7	13	5	13	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means.

† Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for December, 1928

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard |||	Potomac	1.43	.08			.04	T.	T.	T.							1.16	.69	.08	.31										.25	1.08	.06		5.22
Brandywine	do	.05													*	.65		T.	.25									.10		T.			1.05
Harpers Ferry |||	do	.32													.14	.95			.05														1.46
Martinsburg |||	do	.55													.15	1.05			.10	T.	T.												1.85
Moorefield	do														.50		.25												.02				0.77
Perry	do															.08		T.										.16					0.24
Piedmont	do														1.00	.02		T.										T.		.11			1.13
Romney |||	do															.60			T.	T.													0.60
Stony River Dam	do	.39				.17										.66			.26										.32	.42			2.22
Upper Tract	do	.10													.40													T.					0.50
Wardensville |||	do	.40																T.															†††
Northern Division																																	
Aberdeen	Monongahela	T.				.12									1.00	.31		.01	.35									.10	.09	.28			2.26
Alma (near)	Ohio					.19			T.						1.00			.22	.42			.01						.19	.02	.16			2.24
Bens Run	do					.35									.70			.21	.11			T.						.38		.16			1.91
Brownsville	Monongahela	.10				.11			.16						.94	.36		.03	.38									.13	.03	.23			2.47
Bruceton Mills	do	.17			T.	.17			T.						.94			.31	.04		T.	T.						.13		.22			1.98
Buckhannon	do					.20			T.						1.10	.40		T.	.20		T.	T.						.20	.05	.32			2.47
Cairo	Little Kanawha																																
Clarksburg |||	Monongahela	.64				.11									.35	1.00		.01	.52										.21	.08	.14		3.06
Cortland |||	do																																
Crawford |||	Little Kanawha					.11			T.						1.48	.31			.41	T.								.25		.13			2.69
Creston |||	Monongahela	.66				.15				.03					.36	.31		.07	.32		.04	T.								.09	.07		2.10
Dam 10, Mon. R. |||	Ohio	.79				.06									.23	1.18	.04		.32										.10	.06	.04		2.82
Dam 12, O. R. |||	do	.70				.41									.22	.28		.01	.40										.06				2.08
Dam 13, O. R |||	Monongahela	.58				.33									.22	.23		.01	.35										.10		.02		1.86
Dam 15, Mon. R. |||	do	.74				.08									.31	.78			.29			T.							.16	.05	.06		2.47
Davis |||	do	.70				.20	T.								.29	.83			.39	.05									.26	.47	.12		3.31
Elizabeth (D'm 3 L K	Little Kanawha					.29									.42	.21		.07	.32									.10		.10			1.51
Elkins ***	Monongahela					.15			T.					T.	1.35	.04		.37	.08		T.	T.						.26	.03	.37		.03	2.68
Evenwood	do				T.		.01								.46	.16		.11	.06	T.								.11	T.	.14			1.05
Fairmont |||	do	.82				.09	T.			T.	T.				.31	.76		T.	.28	T.		.04	T.						.19	.04	.03	T.	2.56
Glenville |||	Little Kanawha	.74				.12				.02					.52	.63		.04	.32		.04								.12	.28			2.83
Grafton |||	Monongahela													.37	.80		.43											.27	.18				2.05
Horner	do																																
Horton	do	.10				.16									.80	.18		.05	.46									.19		.26			2.20
Janelew (near)	do	.10													.85	.25		.10	.20									.05		.20			1.75
Lost Creek	do					.08			T.						1.01	.43		.06	.45		T.							.08	.08	.18			2.37
Mannington	do	.01				.16									1.00	.02		.12	.43		.01	T.						.09	.10	.13			2.07
Morgantown	do	T.				T.			T.						1.30	.36	T.	.11	.20			T.						.25		.15			2.37
New Cumberland |||	Ohio	.46				.26			T.						.18	.41		.05	.58		.02								.02				1.98
New Martinsville	do					.45			T.						.60			.15	.20			T.						.20		.10			1.70
Parkersburg ***	do				.24	.05			.01					.17	.52			.31	T.		T.							.08		.09		.06	1.59
Parsons	Monongahela	1.49							T.						*	2.00		*	.75											1.25	.01		5.50
Parsons No. 2	do					.17									1.14	.33		.08	.29									.16	.05	.40			2.62
Philippi	do	.70				.15									.37	1.27			.51										.35	.25			3.60
Pickens	do					T.			T.						.73	.20		.35	.30									.16		.90			2.64
Roanoke	do	.05				.13									1.07	.30		.22										.11	.01	.02			1.91
Rowlesburg |||	do	.97				.24	T.								.04	1.05			.42										.23	.09	.30		3.34
Saint Marys |||	Ohio	.63		T.		.32									.55	.20		.08	.20			.02						.06	.06	.15			2.25
Terra Alta	Monongahela	T.				.18			T.	T.					.84	.16		T.	.36		T.	.01						.01	T.	.10			1.66
Valley Chapel	do					.10			T.						1.00	.21		.11	.35								.16	.05	.20	.20			2.41
Vandalia	do														1.39			.37										.26		.16			2.18
Wellsburg	Ohio					.40									.53				.18									.05	.62				1.78
West Milford	Monongahela	.10													1.50					.50									.25	25			2.60
Weston	do	.80				.10									.22	.88			.44								.22	.10					2.76
Wheeling |||	Ohio	.70				.38			T.	T.	T.				.22	.26		.01	.43	T.								T.	.04	T.	T.		2.04
Woodlands |||	do	.58				.38									.32	.22		.04	.55										.13	.06	.04		2.32
Southern Division																																	
Arbovale	Great Kanawha	.01				.05									.80			.26	.20									.20	T.	.22			1.74
Bancroft |||	do	.62				.11			T.	.04					.33	.16		.05	.27											.05			1.63
Bluefield	do														.22	.01		.03										.11	.14	.04		.09	0.64
Camden-on-Gauley |||	do	.02												T	T.	1.10				.22									T.	T.			1.34
Charleston |||	do	.36				.16									.26	.68			.34										.06	.04	.16		2.06
Clay |||	do	67			.25					.01					.36	.66		.01	.33										.09	.03	.22	.12	2.75
Dam 6 G. K. |||	do													.42	.48			.20											.03	.02	.14		1.29
Dam 19 O. R. |||	Ohio	.74				.48				.02	T.				.55	.24		.08	.45	T.								.05	.04	.04	.05		2.74
Dam 20 O. R. |||	do	.62				.34									.50	.24		.12	.34									.04	.06	.08	.06		2.40
Dam 25 O. R. |||	do	.44		.01		.31									.38	.04		.19	.16			T.						.06	.15	.02	.06		1.82
Dam 26 O. R |||	do	.55				.15			T.	T.					.25	.04		.12	.24									.03	.10	.02	.08		1.58
Gary |||	Big Sandy	.15				.10									.10	.13			.51									.05	.18	.05			1.30
Hinton |||	do	.52				.10				.01					.30	.15		.03	.40									.02	.10	.13			1.76
Kanawha Falls |||	Great Kanawha	.66				.34									.23	.43			.34											.02	.16		2.18
Kayford |||	do	.56				.25			T.		.02				.20				.47				T.						.18	.01	.16		1.85
Kermit |||	Big Sandy									.03					.10	.25			.20										.30		.12		1.00
Lewisburg	Great Kanawha	.02													.56	.24		.02	.25									.26					1.35
Logan |||	Guyandotte	.52				30									.10	.19			.30										.20	T.	.17		1.78
Marlinton	Great Kanawha	.10				32									.82			.52	.08									.10		.32			2.26
Organ Cave	do	.15													.65			.30				.45			.60	.08	.08	.08					2.39
Point Pleasant |||	Ohio	.80				.40			T.						.36	.10		.21	.40			T.						.12	.12	.05	.08		2.64
Powelton	Great Kanawha					.30																.10							.30				0.70
Ravenswood (Dam 22	Ohio	.80				.30									.38	.06		.06	.35									T.	.10	T.	T.		2.05
Robertsburg |||	Great Kanawha	.49				.06				T.					.35	.05		.09	.39									.03	.02	.07	.12		1.70
Ryan	do					.08			.05						.63			.27	.04		05							.05	.04	.15			1.36
Sharples |||	Coal River	.56		.25											.10	.20			.40								T.	T.		.22			1.76
Spencer |||	Great Kanawha	65				.07									.47	.28	T.	.38				T.							.05	T.	.12		2.02
Sutton	Gauley					.35			.08						1.35	.10		.65	.08											.32			2.93
Union	do																																
Wayne |||	Big Sandy	.29		.03		.06			T.	.01					.27	.01		.01	.34									.03	.10	.02			1.17
White Sulpr. Spgs. |||	Great Kanawha				.10									.35	.25			.25										.10				.50	1.55
Williamson |||	Big Sandy	.42				.08				.04					.12	.18			.44										.22	.05	.20		1.75

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for December, 1928

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	53	51	46	46	46	32	34	34	26	35	46	56	62	52	46	46	57	56	39	36	30	36	41	45	42	48	45	38	46	52	43	44.0
	Minimum	36	19	20	38	28	15	13	12	17	10	19	11	19	29	31	27	33	24	20	20	10	3	6	11	15	16	19	28	29	29	11	19.9
Brandywine	Maximum	55	45	55	54	45	38	38	35	34	38	47	55	60	55	55	50	48	37	40	40	35	36	37	42	43	44	44	48	47	36	42	44.5
	Minimum	40	18	33	27	34	12	11	12	9	6	14	21	20	38	38	34	37	30	17	15	14	9	9	13	15	15	20	25	35	15	17	21.1
Martinsburg§	Maximum	56	57	59	55	50	40	39	41	36	43	60	..	58	58	45	48	58	40	48	40	32	34	40	45	55	50	42	54	45	40	..	47.2
	Minimum	42	25	37	37	37	18	12	20	22	22	16	17	22	22	37	39	40	38	22	22	19	10	11	13	14	16	20	24	38	28	18	24.5
Moorfield	Maximum	54	58	64	60	52	43	42	41	38	46	58	54	57	54	46	55	62	61	53	50	48	35	41	48	57	57	50	57	57	41	39	50.9
	Minimum	40	20	26	29	34	12	15	14	14	8	13	15	20	30	36	35	37	33	21	20	18	9	9	8	10	15	25	33	36	27	16	21.9
Piedmont	Maximum	50	50	55	46	41	36	39	34	31	39	51	46	48	38	42	51	48	55	34	38	34	27	34	40	46	46	34	42	50	34	33	41.7
	Minimum	38	28	28	35	31	20	20	20	23	21	27	22	25	34	34	38	38	31	26	27	14	9	13	17	19	25	28	33	34	27	26	26.2
Romney§	Maximum	43	57	60	47	43	40	44	38	35	45	57	51	56	44	50	55	61	37	50	40	32	32	40	51	53	52	44	57	48	38	..	46.7
	Minimum	39	24	25	30	33	21	15	15	22	12	16	17	22	25	37	35	37	31	20	25	18	7	10	14	16	20	24	32	37	28	12	23.2
Upper Tract	Maximum	55	55	58	61	50	42	40	37	38	44	48	58	60	62	60	..	52	50	48	47	45	35	41	50	50	54	52	51	57	38	40	49.2
	Minimum	21	20	24	29	32	12	15	14	10	10	16	17	20	23	24	..	28	28	20	22	22	9	9	16	17	18	24	34	36	23	16	20.3
Wardensville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Northern Division																																	
Bens Run	Maximum	50	53	57	62	46	45	43	38	35	42	47	48	59	55	53	52	55	56	46	40	34	31	45	49	49	47	42	48	42	40	45	46.9
	Minimum	30	26	31	31	32	16	19	27	18	17	19	23	25	39	34	38	40	31	29	30	12	12	17	21	22	20	32	34	30	30	24	26.1
Buckhannon	Maximum	48	52	50	48	52	46	36	35	32	31	48	53	61	52	50	53	60	54	45	40	30	38	45	44	45	47	40	46	50	40	47	45.7
	Minimum	35	25	28	28	30	15	18	21	20	18	17	22	21	40	40	32	41	29	22	28	16	12	16	22	20	20	27	33	31	30	21	25.1
Cairo	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Clarksburg§	Maximum	42	58	58	46	37	37	41	42	34	42	54	52	65	51	49	52	55	33	46	37	27	38	48	51	50	50	38	50	37	34	52	45.4
	Minimum	38	24	24	26	29	12	14	15	18	10	12	16	20	21	42	38	37	31	26	26	13	9	12	13	15	15	16	29	28	28	19	21.8
Creston	Maximum	53	57	60	57	47	39	44	38	38	44	56	52	67	57	52	58	57	54	47	45	37	44	49	52	51	51	45	46	44	42	50	49.5
	Minimum	37	23	23	25	32	12	15	19	18	12	14	20	20	39	44	35	40	25	23	24	10	10	14	17	15	16	23	19	33	29	20	22.9
Elkins	Maximum	44	56	55	48	51	36	38	30	30	38	52	55	63	48	48	54	60	37	42	34	26	40	45	45	45	48	40	54	54	32	46	45.0
	Minimum	27	23	35	27	22	15	16	18	14	10	15	19	23	40	44	32	37	23	25	25	12	9	14	19	17	18	33	31	27	19	16	22.7
Fairmont§	Maximum	42	61	60	49	40	41	47	34	30	46	56	53	70	50	50	51	55	32	49	40	29	36	52	54	54	55	40	45	38	35	51	46.6
	Minimum	38	25	27	29	30	15	16	18	22	15	16	18	24	25	41	40	39	30	26	29	10	10	12	16	20	20	21	34	34	28	23	24.2
Glenville	Maximum	55	59	61	59	55	42	45	50	48	46	56	53	68	54	53	51	62	56	49	44	36	46	51	55	53	56	62	60	58	55	47	53.1
	Minimum	37	24	25	28	25	12	14	35	17	15	13	18	20	37	44	35	39	29	22	23	12	10	13	16	15	17	38	32	36	15	18	23.7
Grafton	Maximum	48	43	55	55	29	28	27	25	28	32	30	67	44	43	50	52	36	42	37	23	30	31	37	38	40	37	35	35	30	31	..	37.9
	Minimum	25	24	24	30	11	18	14	20	9	11	18	20	25	42	35	34	30	25	24	11	9	14	18	15	15	21	29	18	26	20	22	21.2
Lost Creek	Maximum	53	59	59	54	45	37	42	33	36	42	56	58	66	55	50	52	58	53	45	42	33	43	49	51	51	52	42	49	50	35	48	48.3
	Minimum	36	20	22	23	30	9	12	15	15	8	11	15	18	36	44	33	39	28	23	23	10	8	10	15	14	14	21	32	26	27	16	21.1
Mannington	Maximum	52	50	57	50	45	34	39	33	31	39	46	51	61	46	51	50	55	54	43	39	34	34	43	47	46	47	38	45	45	33	45	44.6
	Minimum	38	23	24	25	31	13	15	20	22	11	14	16	21	32	41	39	39	30	25	26	10	9	13	16	15	16	21	33	27	29	21	23.1
Morgantown	Maximum	50	55	57	50	47	34	39	34	32	39	51	54	67	56	52	51	59	57	43	40	36	33	47	48	49	50	41	44	45	33	44	46.5
	Minimum	36	29	41	29	28	14	20	22	19	16	21	23	27	44	43	38	45	28	23	31	10	10	18	21	26	25	33	32	29	26	23	26.8
New Cumberland§	Maximum	40	50	52	46	35	33	40	35	34	42	50	41	50	45	46	53	55	34	42	35	23	33	39	50	48	48	39	44	36	..	..	42.0
	Minimum	37	28	32	35	34	13	15	20	21	16	20	20	23	31	31	40	34	30	23	29	9	8	11	11	19	20	23	29	31	23	..	23.9
New Martinsville	Maximum	55	59	59	56	46	38	46	39	38	45	55	50	65	51	51	51	56	56	45	44	35	37	49	53	52	50	45	48	46	38	48	45.6
	Minimum	44	26	29	30	30	16	18	27	17	15	19	22	25	38	42	38	40	31	29	29	12	11	15	18	20	19	26	35	30	30	23	25.9
Parkersburg	Maximum	48	53	59	47	47	36	43	34	37	43	52	49	62	54	53	51	57	39	45	37	29	37	48	52	50	49	43	50	46	36	46	46.2
	Minimum	35	28	36	32	26	18	20	28	23	20	22	28	28	44	47	38	39	31	31	28	14	15	19	24	22	24	35	34	31	25	25	28.1
Parsons	Maximum	39	55	58	50	52	40	41	32	33	40	54	53	55	47	45	53	60	53	52	35	35	42	40	40	40	48	40	43	52	32	41	45.2
	Minimum	25	23	26	26	26	15	16	18	20	10	14	17	22	34	35	35	36	27	20	24	16	15	9	15	11	16	25	31	28	25	16	22.1
Pickens	Maximum	45	50	51	52	49	38	35	28	28	36	48	54	60	50	46	50	57	47	38	34	37	43	42	41	41	48	39	43	47	37	43	43.8
	Minimum	23	18	29	21	17	8	12	11	10	6	15	21	27	37	37	29	35	16	15	9	5	12	14	15	15	16	27	23	20	16	12	18.4
Terra Alta	Maximum	48	53	55	50	42	32	37	35	30	36	48	55	64	55	46	54	60	54	40	38	35	37	47	46	45	51	43	38	40	..	..	45.3
	Minimum	30	25	24	28	27	13	19	15	16	14	21	14	22	35	36	31	35	22	21	27	16	1	9	15	21	26	24	18	25	..	..	21.7
Wellsburg	Maximum	55	51	56	50	48	37	41	37	33	41	45	44	60	46	47	53	55	54	42	34	32	34	44	46	48	47	43	45	44	38	46	45.0
	Minimum	37	24	25	30	29	15	16	18	21	16	17	17	25	33	39	40	40	30	27	27	10	7	13	13	17	15	34	34	28	27	20	24.0
Weston	Maximum	50	59	60	55	50	38	45	40	39	40	48	50	62	60	55	58	56	52	43	40	38	45	42	41	45	50	45	42	40	39	42	47.4
	Minimum	35	29	30	30	29	15	19	20	21	14	20	24	25	40	45	50	45	30	31	30	15	12	16	18	19	19	25	30	31	29	20	26.3
Wheeling§	Maximum	42	58	60	50	40	37	47	35	39	47	54	41	66	49	49	54	56	35	47	40	29	35	47	51	54	51	40	46	49	37	39	45.6
	Minimum	35	25	28	30	30	10	12	20	14	13	12	19	20	36	40	40	40	27	25	33	9	9	10	15	14	20	21	30	29	25	23	23.0
Southern Division																																	
Bluefield	Maximum	54	..	55	55	54	44	41	36	..	14	51	52	52	52	50	..	61	55	46	42	34	38	..	45	..	47	47	45	48	..	49	47.9
	Minimum	38	..	26	30	32	17	20	21	..	20	22	32	37	46	44	..	33	25	24	33	22	17	..	17	..	22	32	29	42	..	24	28.2
Charleston§	Maximum	50	64	68	60	50	50	50	38	44	54	60	50	66	56	56	60	66	43	55	42	42	50	60	56	58	52	46	60	50	50	54	53.5
	Minimum	38	31	31	31	31	20	20	24	24	19	21	23	30	30	43	37	37	43	24	24	21	19	19	26	24	24	24	35	35	31	25	27.9
Gary§	Maximum	49	61	61	59	41	41	44	27	27	19	42	43	60	61	54	59	66	31	52	38	34	50	52	50	50	49	37	51	49	50	53	47.1
	Minimum	42	30	28	28	30	18	17	19	23	15	17	19	28	36	44	32	32	31	20	20	21	17	17	21	21	19	20	34	32	27	25	25.3
Hinton§	Maximum	..	..	61	42	37	44	40	34	38	45	54	50	48	45	54	43	59	31	50	38	28	42	46	43	50	47	38	53	52	45	44	44.9
	Minimum	41	..	..	26	37	18	18	22	24	16	18	20	26	34	45	35	35	31	20	20	28	17	17	17	20	22	22	33	30	29	23	25.7
Lewisburg	Maximum	52	50	55	52	53	38	37	37	33	41	52	48	57	52	50	47	56	59	44	45	38	40	42	42	47	45	38	47	48	40	41	46.0
	Minimum	36	23	23	30	30	19	17	18	18	12	14	20	27	43	41	31	35	28	15	25	23	12	14	17	15	16	25	31	27	23	19	23.5
Marlinton	Maximum	50	46	50	48	42	34	36	32	32	38	46	50	54	44	48	42	46	40	38	36	26	34	38	38	42	42	34	44	42	34	40	40.8
	Minimum	28	16	22	20	24	12	14	12	14	4	8	14	18	36	34	28	36	20	12	22	14	6	6	10	8	10	16	30	26	18	12	17.7
Point Pleasant	Maximum	55	52	50	50	45	40	40	40	40	34	40	45	55	60	60	55	55	50	50	50	40	41	48	45	50	50	50	55	50	45	40	47.7
	Minimum	38	25	30	30	30	30	25	27	18	15	22	28	30	42	45	40	35	30	28	18	12	13	15	19	20	25	24	30	28	28	26	26.6
Powellton	Maximum	56	55	57	60	53	49	..	41	40	42	39	48	49	47	44	49	55	54	56	58	54	53	49	..	..	59	53	55	59	65	66	52.3
	Minimum	31	33	27	30	33	18	..	20	24	26	16	25	28	26	23	28	29	32	30	35	30	33	32	..	..	28	22	20	35	31	25	27.5
Ravenswood	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	59	56	54	56	56	47	45	37	41	52	52	52	50	48	52	51	36	43	49.3
	Minimum	39	26	32	28	33	14	16	24	20	11	17	22	23	45	43	38	43	32	28	27	12	13	15	20	19	20	29	35	34	30	22	26.1
Robertsburg§	Maximum	50	58	60	52	39	42	47	40	38	45	54	55	66	55	54	54	56	35	48	38	30	47	52	53	50	51	44	55	40	41	..	48.3
	Minimum	39	27	27	27	30	14	14	18	12	16	17	24	25	32	44	37	37	32	25	26	12	12	15	15	20	19	25	34	34	29	22	24.5
Ryan	Maximum	48	55	65	50	46	40	45	32	35	43	53	50	60	55	52	54	55	43	50	35	31	43	50	52	50	50	42	52	46	44	50	47.6
	Minimum	33	20	27	23	26	11	14	17	17	10	13	19	20	38	43	42	39	28	20	22	10	11	13	17	15	15	23	32	29	28	18	22.4
Spencer§	Maximum	48	56	60	51	40	39	43	31	36	44	53	54	67	56	52	60	50	53	47	37	28	41	50	51	51	50	52	53	45	37	52	48.0
	Minimum	36	21	42	28	30	13	14	20	21	13	16	22	23	50	46	33	30	22	27	28	10	11	15	21	18	17	35	36	38	28	21	25.3
Sutton	Maximum	50	56	56	52	40	36	38	38	32	38	42	49	59	59	52	55	56	56	42	42	36	42	47	49	49	46	46	51	51	39	45	46.7
	Minimum	38	25	29	26	35	15	11	20	21	13	15	21	23	42	43	34	41	30	21	25	18	12	15	19	17	18	28	32	32	30	20	24.8
Union	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
White Sulphur Spgs§	Maximum	40	58	54	41	43	39	39	39	44	55	56	63	54	52	48	58	32	47	36	32	34	45	47	52	52	40	52	53	44	43	..	49.7
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Williamson§	Maximum	49	50	59	55	47	40	41	35	34	44	49	51	62	61	55	54	65	47	46	39	36	43	45	46	47	48	43	52	53	54	..	48.3
	Minimum	40	37	38	33	40	25	24	31	32	24	25	31	37	40	46	47	46	33	25	32	24	23	25	25	25	25	34	35	36	31	32	32.3

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(W BO, Cleveland, 1-25-29—850)

NWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

UNIVERSITY OF
MAR 13

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVI PARKERSBURG, W. VA., YEAR, 1928 No. 13

GENERAL SUMMARY

The year 1928 averaged somewhat colder and slightly wetter than usual. The snowfall averaged about 11 inches above the normal.

February was somewhat warmer than usual and the temperature also averaged above the normal for August and the last three months of the year. The spring months and September were especially cool.

February, May, October, and December were dry months. The precipitation for April, June, and August was much above the normal. The snowfall was unusually heavy in March and April.

The weather was decidedly unfavorable for growth during the spring months and the early part of the summer, but crops made rapid advancement during July and August. October was favorable for grazing and late farm work.

The season of growth extended generally from about May 15 to September 25, being somewhat shorter than usual.

Cloudiness was slightly in excess. The sunshine at Parkersburg and Elkins averaged 42 per cent. of the possible amount, or about 4 per cent. below the normal for Parkersburg and 2 per cent below for Elkins.

The wind movement for Parkersburg was 45,724 miles, and at Elkins 44,477.

THE WEATHER BY MONTHS

JANUARY.—The precipitation for January was only 2.18 inches, the lightest of January State record since 1898. The rivers were low. The temperature averaged normal, the month being divided nearly equally into periods of moderately warm and moderately cold weather. There was practically no snowcover, but winter grains were not much damaged.

FEBRUARY.—February was a warm, dry month, with an excess of cloudiness. The temperature fell to zero at only three stations, Bayard, Pickens, and Terra Alta. The snowfall was about two-thirds of the normal and the ground was bare in most of the agricultural districts practically the entire month. During the first of the month boating on the Ohio River was mpeded by floating ice.

Continued on page 51

TEMPERATURE AND PRECIPITATION DATA FOR 1928

Month	Temperature in degrees Fahrenheit				Precipitation in inches				Sky			Prevailing direction of the wind
	Mean	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. Cloudy	Cloudy	
nuary	32.0	− 0.1	74	−14	2.18	−1.75	4.0	8	11	7	13	w.
bruary	34.6	+ 2.3	72	− 3	2.50	−0.54	6.4	11	8	6	15	w.
irch	41.4	− 1.7	86	− 3	3.87	+0.01	16.3	12	10	9	12	w.
ril	48.6	− 3.2	88	11	5.08	+1.38	11.4	12	11	7	12	w.
y	58.9	− 3.0	94	22	2.62	−1.49	T	10	14	8	9	w.
ne	66.7	− 2.6	96	33	7.37	+2.76	......	19	7	9	14	wsw.
y	73.5	+ 0 4	102	35	4.23	−0.10	......	11	15	10	6	w.
gust	74.0	+ 2.2	103	39	5.36	+1.41	......	14	11	8	12	w.
tember	61.3	− 4.5	100	24	2.71	−0.34	T.	7	14	6	10	w.
ober	56.7	+ 1.6	94	12	1.98	−0.97	0.1	7	14	7	10	w.
vember	44.0	+ 1.4	81	9	3.31	+0 52	2.9	12	6	6	18	w.
ember	35.4	+ 2.0	70	1	2.08	−1.35	0.9	7	13	5	13	w.
nual	52.3	− 0.5	103	− 14	43.40	−0.46	42.0	130	134	88	144	w.

EVAPORATION

Monthly evaporation (inches); wind movement (miles)

Name of Station.		Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.
Clarksburg	Evaporation	......	4.207	5.029	4.094	6.246	4.476	3.570	2.691	......
	Wind Movement	......	2,846	1,570	1,295	1,244	984	1,249	1,165	......

Station established June 1, 1923.

Dates on which First and Last Killing Frost Occurred or Minimum Temperature Fell to 32 Degrees

Station	Last in Spring	First in Autumn	Station	Last in Spring	First in Autumn
Bancroft	April 26	Sept. 26	Morgantown	May 13	Sept. 26
Bayard	May 24	Sept. 23	New Cumberland	May 13	Oct. 26
Bens Run	April 26	Oct. 30	New Martinsville	May 13	Sept. 26
Benson	May 14	....	Parkersburg	April 26	Oct. 26
Bluefield	April 27	Oct. 26	Parsons	May 13	Sept. 25
Brandywine	May 14	Sept. 25	Piedmont	May 14	Oct. 27
Brownsville	May 13	Sept. 26	Pickens	May 24	Sept. 25
Buckhannon	May 13	Sept. 26	Point Pleasant	May 8	Sept. 26
Cairo	May 13	....	Powellton	April 28	....
Charleston	April 26	Sept. 26	Ravenswood	April 26	Sept. 24
Clarksburg	May 13	Sept. 26	Robertsburg	April 25	Sept. 26
Creston	May 14	Sept 26	Romney	May 14	Sept. 21
Elkins	April 26	Oct. 27	Ryan	May 14	Sept. 24
Fairmont	April 29	Sept. 26	Spencer	May 13	Oct. 26
Gary	April 28	Sept 26	Sutton	April 26	Sept. 26
Glenville	May 13	Sept. 26	Terra Alta	May 24	Sept. 25
Grafton	May 14	Sept. 24	Union	May 14	Sept. 25
Hinton	April 26	Oct. 26	Upper Tract	May 14	Sept. 26
Inwood	April 28	....	Valley Chapel	May 13	Sept. 26
Janelew	May 14	Sept. 25	Wardensville	May 25	Sept. 25
Lewisburg	May 13	Sept. 27	Wellsburg	May 14	Sept 28
Lost Creek	May 14	Sept. 26	Weston	April 27	Sept. 26
Mannington	May 14	Sept. 26	Wheeling	May 14	Sept. 26
Marlinton	May 14	Sept. 24	White Sulphur Springs	May 13	Sept. 25
Moorefield	May 14	Oct. 26	Williamson	April 16	Oct. 26

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Precipitation			Number of days			
	State mean	Highest	Lowest	State average	Greatest local amount	Average snowfall	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	......	......	45.96	......	......	......	......	......	......
1892	52.1	99	−12	38.33	7.20	......	......	......	......	......
1893	52.0	99	−25	39.82	7.85	......	116	......	....	......
1894	53.5	103	−29	34.52	7.48	......	102	155	114	96
1895	51.5	107	−21	32.82	7.69	......	100	150	111	104
1896	53.6	97	−10	43.49	15.70	......	111	132	128	106
1897	53.5	103	−18	41.59	8.42	.....	116	141	113	111
1898	54.8	103	−13	47.61	11.57	20.6	117	133	129	103
1899	53.2	100	−35	40.97	8.64	36.1	108	142	107	116
1900	54.1	104	−11	37.62	9.00	30.6	114	135	116	114
1901	52.1	104	−11	44.78	11.10	28 2	116	128	95	142
1902	52.8	104	−14	42.19	9.95	49.1	112	128	118	119
1903	52.0	105	−19	40.55	12.30	29.8	112	151	102	112
1904	50.9	98	−20	33.33	8 29	31.7	111	148	110	108
1905	52.3	100	−22	45.53	10.64	35.3	117	144	102	119
1906	54.0	101	−11	44.36	11.15	40.2	130	134	101	130
1907	51.7	98	−23	52.15	13.36	35.0	138	128	102	135
1908	53.7	101	−16	40.47	11.45	38.0	116	155	110	101
1909	53.0	101	−10	43.02	10.50	30.3	126	143	109	113
1910	52.3	98	−11	38.60	13.16	47.4	118	140	103	122
1911	54.6	106	− 5	47.13	12.63	23.2	131	140	97	128
1912	51.7	100	−34	43.78	14.02	33.9	124	159	81	126
1913	53.9	103	− 4	49.02	10.53	31.6	122	162	79	124
1914	52.3	106	−22	39.71	10.05	67.7	116	153	81	131
1915	52.8	101	− 8	43.76	11.38	29.4	125	146	84	135
1916	52.6	104	−18	44.63	10.79	43.9	121	157	92	117
1917	49.9	104	−37	44.33	14.20	54.6	123	163	74	128
1918	53.2	110	−27	44 77	10.28	37.7	122	160	83	122
1919	54.0	104	−16	47.27	13.08	16.8	118	164	78	128
1920	52.0	99	−11	41.62	9.70	25.7	120	147	75	144
1921	55.6	101	−10	45.45	10.67	22 4	122	145	93	127
1922	54.1	100	−15	41.57	8.19	25.8	117	164	68	138
1923	52.7	102	−20	46.03	12.42	23.9	125	161	73	131
1924	50.5	104	−16	47.84	10.88	36.1	129	154	79	133
1925	53.2	104	−27	41 20	13.08	31.1	124	147	85	133
1926	51.6	107	−23	49.60	15.36	49.4	139	126	81	158
1927	53.8	100	−14	48.90	12.40	26.6	138	138	77	150
1928	52.3	103	−14	43.40	11.69	45 8	134	136	82	148
1891–1928	52.8	110	−37	43.10	15.70	34.8	120	146	95	124

(WBO, Cleveland, 2-19-29-1150)

CLIMATOLOGICAL DATA FOR THE YEAR 1928

Stations	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number rainy days	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall		Number clear days	Number partly cloudy days	Number cloudy days	
PANHANDLE DIVISION																				
Bayard	Grant	2,375	26	47.8	94	Aug. 9†	-8	Jan. 2	26	73.41	9.67	June	2.66	Oct.	154.9	163	......	......	......	sw.
Brandywine	Pendleton	1,586	12	50.7	96	July 19	-3	Jan. 4	12	31.30	6.10	June	0.85	Feb.	......	85	202	19	145	sw.
Harpers Ferry	Jefferson	244	......	......	......	......	......	......	39	39.51	6.91	Apr.	1.03	May	18.5	99	......	......	......	......
Inwood	Berkeley	569	6	......	96	Aug. 3	......	......	6	......	7.18	June	......	......	......	......	......	......	......	......
Martinsburg	Berkeley	435	36	53.0	98	Aug. 3	5	Jan. 30	36	43.59	7.73	June	1.33	Nov.	28.7	122	236	96	34	w.
Moorefield	Hardy	900	32	55.2	100	Aug. 3	1	Jan. 4	32	30.56	5.22	Apr.	0.12	Jan.	42.2	......	......	......	......	......
Piedmont	Mineral	1,053	12	50.8	92	July 8†	1	Jan. 2	12	31.11	6.29	June	0.59	Oct.	......	83	157	85	124	nw.
Romney	Hampshire	824	31	52.4	98	Aug. 5	3	Jan. 2†	31	......	7.41	June	0.57	Jan.	......	......	111[b]	111[a]	144	......
Stony River Dam	Grant	3,300	......	......	......	......	......	......	8	42.94	6.94	June	1.83	Feb	108.5	153	76	76	214	w.
Upper Tract	Pendleton	1,230	29	52.4	94	July 19†	0	Jan. 3†	29	19.01	4.57	Aug.	0.40	Feb.	......	58	......	......	......	w.
Wardensville	Hardy	1,200	12	......	96	July 2†	-7	Jan. 2	......	......	9.68	June	......	......	......	......	......	......	......	......
NORTHERN DIVISION																				
Aberdeen	Upshur	1,060	4	......	......	......	......	......	4	47.33	6.95	Apr.	1.85	Oct.	49.4	147	79	159	128	w.
Alma (near)	Tyler	800	......	......	......	......	......	......	2	46.92	10.10	June	1.64	Jan.	25.0	150	97	133	136	......
Bens Run	Pleasants	622	27	53.6	94	July 19	1	Jan. 3	27	47.77	11.45	June	1.57	Sept.	30.8	122	132	135	99	......
Benson	Harrison	1,080	4	......	......	......	-6	Jan. 29	4	......	7.37	June	......	......	......	......	......	......	......	......
Brownsville	Lewis	1,032	4	52.9	97	July 20	-5	Jan. 4	4	46.40	6.96	June	1.96	Oct.	46.1	158	169	75	122	......
Bruceton Mills	Preston	1,549	......	......	......	......	......	......	17	54.08	8.38	Aug.	1.80	Oct.	117.4	128	32	190	144	sw.
Buckhannon	Upshur	1,411	32	51.1	86	July 8	-2	Jan. 4	32	52.44	7.72	June	2.44	Jan.	47.5	130	167	70[a]	129	......
Cairo	Ritchie	680	28	......	......	......	-5	Jan. 3	28	......	6.26	June	......	......	......	......	......	......	......	......
Clarksburg	Harrison	1,015	6	51.7	97	July 8	-1	Jan. 4	6	39.14	5.91	Aug.	1.82	Sept.	......	158	132	100	134	w.
Cortland	Tucker	3,300	......	......	......	......	......	......	12	......	10.88	June	1.45	Sept.	......	......	......	......	......	......
Crawford	Lewis	1,107	......	......	......	......	......	......	5	50.04	7.66	June	2.01	Oct.	43.6	143	132	141	93	w.
Creston	Wirt	640	27	54.3	95	July 20†	-3	Jan. 4	27	42.18	7.82	June	1.88	Sept.	26.1	121	164	1	201	sw.
Dam 10 Mon. R.	Marion	826	......	......	......	......	......	......	12	40.83	6.81	Apr.	1.32	Oct.	......	135	......	......	......	......
Dam 12 O. R.	Ohio	660	......	......	......	......	......	......	12	38.78	7.56	July	1.50	Sept.	......	142	......	......	......	......
Dam 13 O. R.	Ohio	655	......	......	......	......	......	......	12	41.35	8.97	July	1.38	Sept.	......	157	......	......	......	......
Dam 15 Mon. R.	Monongalia	882	......	......	......	......	......	......	6	40.57	6.05	Apr	1.56	Oct.	30.5	163	......	......	......	......
Davis	Tucker	3,093	......	......	......	......	......	......	18	57.85	11.05	June	2.33	Oct.	125.9	176	......	......	......	w.
Elizabeth	Wirt	615	......	......	......	......	......	......	3	38.54	8.00	June	1.51	Oct.†	28.0	116	......	......	......	......
Elkins	Randolph	1,947	28	49.6	91	July 8	-4	Jan 2	28	47.63	7.99	June	1.71	Oct.	63.6	174	49	116	201	w.
Evenwood	Randolph	3,240	......	......	......	......	......	......	3	......	7.18	Apr.	......	......	......	......	......	......	......	s.
Fairmont	Marion	883	23	52.9	98	July 8	0	Jan. 2†	36	37.96	5.06	July	1.53	Oct.	42.8	146	124	101	141	w.
Glenville	Gilmer	738	35	54.4	94	July 8†	-4	Jan. 4	41	49.08	7.01	June	2.33	Jan.	26.5	166	130[a]	125	111	w.
Grafton	Taylor	1,000	36	......	95	Aug. 9	......	......	36	......	6.85	Aug.	......	......	......	......	......	......	......	w.
Horner	Lewis	1,044	......	......	......	......	......	......	5	52.64	7.58	June	2.40	Jan.	......	......	......	......	......	......
Horton	Randolph	2,840	......	......	......	......	......	......	3	42.17	8.85	June	2.02	Oct.	122.2	144	117	31	218	w.
Janelew (near)	Lewis	1,020	5	53.3	95	July 8	-4	Jan 29	5	42.52	6.36	June	1.63	Sept	20.5	109	192	75	99	sw.
Lost Creek	Harrison	1,026	31	51.6	95	July 8	-2	Jan. 2†	31	39.81	6.18	June	2.02	Oct.	32.8	139	119	89	158	w.
Mannington	Marion	985	26	50.9	89	July 8	-3	Jan. 4†	26	46.50	7.46	Aug.	2.00	Sept.	52.4	176	120	87	159	w.
Morgantown	Monongalia	1,250	36	52.7	96	July 19	-2	Jan. 2	54	34.82	4.66	June	1.30	Jan.	52.7	105	......	......	......	s.
New Cumberland	Hancock	671	31	50.3	94	Aug. 9	-2	Jan. 3	31	42.66	9.70	June	0.81	Sept.	21.0	165	100	83	183[a]	s.
New Martinsville	Wetzel	634	35	53.8	97	July 8†	-2	Jan. 3	35	46.35	7.55	June	1.55	Sept.	16.0	114	130	96	140	s.
Parkersburg	Wood	638	40	54.0	94	July 20	2	Jan. 2	40	37.03	8.63	June	1.32	Jan.	10.8	139	94	84	188	sw.
Parsons	Tucker	1,649	29	......	92	July 8	-1	Jan. 2	29	......	......	......	1.49	Sept.	......	......	......	......	......	......
Parsons (No. 2)	Tucker	1,649	......	......	......	......	......	......	2	45.56	5.85	June	1.89	Sept.	56.5	166	148	102	116	......
Philippi	Barbour	1,550	32	......	......	......	-4	Jan. 2	35	50.92	7.46	June	1.92	Oct.	......	148	......	......	......	......
Pickens	Randolph	2,697	26	46 7	91	July 8	-14	Jan. 29	38	70.53	11.69	June	2.61	Oct.	176.0	146	146	67[a]	153	w.
Roanoke	Lewis	1,050	......	......	......	......	......	......	5	47.76	7.85	June	1.91	Dec.	......	152	148	95	123	......
Rowlesburg	Preston	1,375	......	......	......	......	......	......	43	52.13	6.97	June	1.69	Sept.	......	172	......	......	......	......
Saint Marys	Pleasants	577	......	......	......	......	......	......	19	45.89	9.52	June	1.83	Jan.	......	137	......	......	......	......
Terra Alta	Preston	2,559	29	46.3	86	July 7	-6	Jan. 2	29	44.76	6.41	June	1.66	Dec.	66.5	184	42	112	212	w.
Valley Chapel	Lewis	1,011	5	53.3	94	July 8†	-2	Jan. 4	5	42.07	6.95	June	1.78	Feb.	......	121	161	108	97	w.
Vandalia	Lewis	1,120	......	......	......	......	......	......	5	......	7.31	June	1.39	Jan.	......	......	......	......	......	......
Wellsburg	Brooke	668	28	50.9	93	July 8	2	Jan. 2†	36	41.30	7.44	July	1.45	Jan.	......	130	141	111	114[a]	w.
West Milford	Harrison	979	......	......	......	......	......	......	2	46.04	8.15	June	2.06	Oct.	...	87	......	......	......	......
Weston	Lewis	1,026	33	......	94	July 19	......	......	39	49.51	8.60	June	1.79	Oct.	......	129	......	......	......	......
Wheeling	Ohio	645	42	51.2	98	Aug. 9	0	Jan. 1†	44	38.32	6.88	July	1.58	Sept	18.2	147	146	96	124	sw.
Woodlands	Marshall	637	......	......	......	......	......	......	2	43.99	8.09	June	0.98	Sept.	16.5	153	93	109	164	sw.
SOUTHERN DIVISION																				
Arbovale	Pocahontas	2,734	......	......	......	......	......	......	4	41.41	7.15	June	1.53	Oct.	55.0	154	155	88	123	w.
Bancroft	Putnam	574	25	53.8	95	July 25	0	Jan. 2†	25	42.05	7.70	June	1.51	May	12.2	125	209	0	157	ne.
Bluefield	Mercer	2,563	33	53.4	89	July 19†	-7	Jan. 2	33	34.99	4.66	Sept.	0.64	Dec.	28.1	131	......	......	......	......
Camden-on Gauley	Webster	2,029	......	......	......	......	......	......	11	47.64	11.03	June	1.29	Feb	......	64	......	......	......	......
Charleston	Kanawha	600	25	55.8	100	Aug. 29	-5	Jan. 2†	43	43.98	8.06	June	1.58	Oct.	......	128	154	0	212	......
Clay	Clay	706	......	......	......	......	......	......	12	51.16	10.47	June	1.38	May	......	156	......	......	......	......
Dam 6 G. K.	Kanawha	598	......	......	......	......	......	......	3	37.96	7.30	June	1.29	Dec.	......	107	......	......	......	......
Dam 19 O. R.	Wood	600	......	......	......	......	......	......	11	42.48	8.10	June	1.88	Jan.	...	141	......	......	......	......
Dam 20 O. R.	Wood	600	......	......	......	......	......	......	11	40.60	7.68	June	1.82	Jan.	......	137	......	......	......	......
Dam 25 O. R.	Mason	565	......	......	......	......	......	......	2	33.28	5.78	June	1.34	May	......	133	......	......	......	......
Dam 26 O. R.	Mason	564	......	......	......	......	......	......	12	32.60	7.40	June	1.38	May	......	127	......	......	......	......
Gary	McDowell	1,426	10	53.4	91	July 11†	-3	Jan 2†	11	38.94	6.43	Aug.	1.16	Feb.	22.0	151	......	......	......	......
Hinton	Summers	1,431	32	53.5	96	July 21	1	Jan. 5	33	41.21	8.43	Aug.	0.85	Feb.	9.9	159	......	......	......	......
Kanawha Falls	Fayette	618	......	......	......	......	......	......	11	47.25	7.69	June	1.80	Feb.	......	121	......	......	......	......
Kayford	Kanawha	1,335	......	......	......	......	......	......	11	52.60	8.77	June	1.82	May	43.0	170	......	......	......	......
Kermit	Mingo	579	......	......	......	......	......	......	3	46.85	11.57	June	1.00	Dec.	......	115	......	......	......	......
Lewisburg	Greenbrier	2,250	28	51.1	88	July 21	-3	Jan. 2	36	35.78	5.98	Aug.	1.35	Dec.	15.5	112	162[a]	94	110	nw
Logan	Logan	700	22	......	......	......	......	......	24	53.21	10.32	June	1.78	Dec.	......	107	......	......	......	......
Marlinton	Pocahontas	2,131	29	......	86	July 19†	-6	Jan. 2	29	......	9.19	June	1.68	Oct.	......	......	......	......		sw.
Organ Cave	Greenbrier	2,225	......	......	......	......	......	......	3	35.81	6.45	Sept.	1.09	Jan.	28.5	91	113	106	147	w.
Point Pleasant	Mason	595	35	54.8	103	Aug. 8	-4	Jan. 2	38	34.75	5.62	June	1.17	Sept	7.9	119	142	24	200	w.
Powellton	Fayette	904	35	......	......	......	0	Jan. 4	51	......	......	......	......	......	......	......	......	......	......	......
Ravenswood (Dam 22.)	Jackson	584	5	54.1	93	July 18†	0	Jan. 4	13	35.63	6.69	June	1.60	Oct.	......	121	141	0	225	ne.
Robertsburg	Putnam	570	28	53.6	95	July 19	-1	Jan 3	28	32.73	6.02	June	1.43	May	......	133	166	0	200	......
Ryan	Roane	700	25	51.2	93	Aug. 9	-6	Jan. 3†	25	45.20	9.11	June	1.36	Dec.	35.4	147	102	112	152	......
Sharples	Logan	839	......	......	......	......	......	......	8	53.56	10.59	June	1.75	Feb.	......	104	......	......	......	......
Spencer	Roane	784	23	52.3	90	July 18†	1	Jan. 2	30	37.96	7.92	June	1.72	Oct.	25.5	118	74	160	132	......
Sutton	Braxton	850	24	53.3	95	July 11†	-3	Jan. 4	24	54.83	11.24	June	2.12	Oct.	70.0	136	218	0	148	......
Union	Monroe	2,250	24	53.4	94	Aug. 6	-4	Jan. 2	24	30.57	4.76	June	1.24	Dec.	24.0	101	......	......	......	......
Wayne	Wayne	598	......	......	......	......	......	......	3	45.31	9.75	June	1.17	Dec.	......	136	......	......	......	......
White Sulphur Springs	Greenbrier	1,914	18	......	96	June 20	-2	Jan. 1†	18	34.79	6.15	Sept.	1.15	Feb.	......	129	263	47	56	......
Williamson	Mingo	660	28	......	96	July 19†	-1	Jan. 3	28	47.91	7.70	June	1.57	Oct.	42.2	149	144	1	221	sw.
State averages and extremes		......	......	52.3	103	Aug. 8	-14	Jan. 29	......	43.40	11.69	June	0.12	Jan.	45.8	134	136	82	148	w.

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[a] 1 day interpolated from nearby stations, [b] 2 days, etc.

† And other dates

Monthly and Annual Mean Temperatures for the Year 1928, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
PANHANDLE DIVISION																										
Bayard	[f]30.2	+2.2	30.1	+2.7	36.0	−1.7	44.4	−2.3	53.4	−3.4	61.8	−1.5	68.2	+0.4	69.2	+3.2	56.2	−3.8	51.6	+2.8	[e]40.2	+2.0	32.0	+3.5	47.8	+0.3
Brandywine	31.4	+1.6	33.6	−0.2	43.1	+0.7	48.0	−1.8	57.2	−1.0	63.0	−4.9	71.8	+1.9	71.8	+1.9	59.8	−4.2	55.2	+1.8	41.2	0	32.8	0	50.7	−0.4
Inwood	......	......	......	......	......	......	[a]48.1	......	[a]60.0	......	[a]67.8	......	[a]75.0	......	[a]73.4	......	......	......	......	......	......	......	......	......	......	......
Martinsburg	[a]33.9	+3.4	[a]33.8	+3.8	[a]40.4	−0.9	[a]48.0	−3.5	[a]60.4	−2.7	[a]68.8	−1.8	[a]75.4	+0.1	[a]74.2	+1.2	[a]62.6	−3.5	[a]56.4	+1.8	[a]46.1	+3.4	[b]35.8	+3.1	53.0	+0.4
Moorefield	[a]36.8	+4.9	38.0	+5.7	44.7	+0.8	51.6	−3.2	62.3	−1.0	70.3	0	76.1	+1.9	76.4	+2.1	64.6	−2.1	[k]58.4	+2.8	46.6	+2.9	36.4	+3.3	55.2	+1.6
Piedmont	32.0	+2.3	32.7	+0.2	39.8	−2.5	46.8	−4.3	56.4	−3.4	64.6	−4.0	72.0	+0.2	72.4	+2.0	61.2	−3.9	54.0	+0.5	44.0	+2.0	34.0	+1.2	50.8	−0.8
Romney	[c]32.8	+1.9	[c]33.8	+1.6	[c]41.4	−1.2	[c]46.0	−5.6	[d]60.2	−2.8	[g]66.3	−3.6	[a]71.4	−0.4	[b]74.9	+2.0	[b]63.2	−2.9	[b]56.8	+1.6	[c]44.6	+1.9	[a]35.0	+2.6	52.4	−0.4
Upper Tract	[c]32.2	−1.1	[b]35.6	+3.4	[d]41.5	−1.3	50.0	−1.0	[b]58.6	−2.8	[c]65.5	−2.4	72.6	+0.6	73.4	+2.4	[b]62.8	−2.8	55.1	−0.3	[d]46.1	+2.5	[a]34.8	+1.3	52.4	−0.1
Wardensville	[d]32.5	......	[a]32.8	......	[a]41.1	......	[d]46.6	......	......	......	[a]61.2	......	......	......	[a]70.2	......	59.6	......	[j]58.6	......	[b]45.8	......	[k]35.1	......	......	......
NORTHERN DIVISION																										
Bens Run	32.6	+0.5	35.6	+3.8	42.4	−0.8	49.2	−3.0	60.7	−2.5	67.2	−3.1	75.3	+0.4	75.6	+1.8	63.8	−3.9	58.8	+2.1	45.6	+2.3	36.5	+3.1	53.6	+0.1
Benson	32.2	......	36.0	......	[d]41.4	......	......	......	58.0	......	66.6	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Brownsville	32.9	......	36.6	......	[a]43.0	......	[g]48.4	......	59.3	......	67.7	......	73.8	......	74.8	......	62.2	......	57.2	......	[g]44.2	......	34.9	......	52.9	......
Buckhannon	32.1	+0.4	35.0	+3.5	41.0	−0.6	48.6	−2.5	58.3	−2.6	66.0	−2.6	70.6	−1.4	71.8	+1.5	59.0	−5.0	54.6	−1.2	[f]40.7	−0.7	35.4	+2.4	51.1	−0.7
Cairo	31.0	−3.9	34.8	+2.3	41.4	−3.9	50.0	−4.8	59.4	−4.4	67.4	−3.1	74.7	+0.5	......	......	......	......	......	......	......	......	[d]34.0	−0.2	......	......
Clarksburg	30.1	......	33.0	......	39.5	......	48.4	......	58.8	......	67.5	......	74.3	......	74.7	......	61.4	......	56.1	......	42.8	......	33.6	......	51.7	......
Creston	36.2	+2.8	37.6	+4.8	43.2	−1.0	49.4	−3.3	61.8	−1.5	68.3	−2.3	75.6	+1.0	76.2	+2.8	63.3	−3.9	59.0	+3.2	45.0	+1.3	36.2	+2.3	54.3	+0.5
Elkins	30.9	+0.5	32.8	+1.2	38.1	−1.9	45.8	−3.0	55.7	−3.5	64.1	−2.8	69.4	−0.9	70.9	+1.8	58.4	−4.6	54.4	+2.1	41.3	+1.0	33.8	+1.1	49.6	−0.8
Fairmont	30.1	−1.8	33.0	+0.9	40.7	−1.3	49.1	−2.7	61.6	0	69.3	−1.1	75.8	+2.0	75.4	+2.7	63.6	−4.3	57.5	+2.6	43.4	+1.0	35.4	+1.9	52.9	0
Glenville	33.6	+0.5	37.6	+4.9	43.6	−0.7	51.2	−3.2	60.4	−3.1	68.0	−2.8	75.2	+0.3	76.4	+2.5	63.8	−3.9	59.6	+3.6	45.1	+1.5	38.4	+3.4	54.4	+0.3
Grafton (near)	......	......	......	......	......	......	[i]43.6	......	[a]55.8	−6.0	[a]64.6	−4.6	[a]68.2	−4.0	[a]72.4	+0.7	[a]59.6	−6.8	[c]55.1	+0.5	......	......	29.6	......	......	......
Janelew	33.2		36.6	......	42.8	......	50.1	......	59.1	......	67.6	......	73.9	......	75.2	......	62.2	......	58.5	......	44.6	......	36.1	......	53.3	......
Lost Creek	31.2	−1.5	34.4	+3.4	40.4	−1.3	48.0	−2.2	56.0	−5.1	65.2	−2.6	72.8	+0.6	74.2	+3.2	60.9	−4.0	57.2	+2.4	43.6	+1.3	34.7	+0.9	51.6	−0.4
Mannington	30.9	−0.3	34.0	+3.0	39.8	−2.1	47.7	−3.5	57.5	−3.5	65.8	−2.3	71.3	−0.7	72.0	+1.1	58.8	−5.8	55.4	+0.9	43.3	+2.0	33.8	+1.3	50.9	−0.8
Morgantown	31.8	−0.1	34.1	+2.8	40.5	−1.5	49.0	−2.2	59.7	−2.8	67.8	−1.3	[a]74.4	+0.9	74.6	+2.3	61.4	−5.8	58.4	+2.9	44.2	+0.8	36.6	+3.1	52.7	−0.1
New Cumberland	[a]28.1	−0.1	[a]29.2	+2.1	[a]36.8	−3.2	[a]45.2	−4.2	[a]58.2	−2.5	[a]65.8	−2.1	[a]73.7	+0.9	[a]74.5	+3.6	[a]60.4	−4.5	[a]56.1	+1.6	[a]42.9	+1.6	[b]33.0	+2.2	50.3	−0.4
New Martinsville	31.4	−1.4	33.7	+1.5	39.4	−4.2	51.2	−1.8	61.4	−2.2	68.9	−2.5	76.2	+0.9	76.6	+2.5	63.9	−2.6	59.8	+2.7	45.8	+1.3	37.2	+2.4	53.8	−0.3
Parkersburg	33.4	+0.9	35.8	+1.6	41.6	−1.2	50.1	−3.3	61.2	−2.6	68.2	−3.2	76.0	+0.6	76.3	+2.4	63.5	−3.8	59.2	+3.1	45.2	+1.4	37.2	+2.0	54.0	−0.2
Parsons	30.0	−1.2	32.8	+3.1	37.7	−2.2	46.0	−2.7	......	......	......	......	72.9	+2.8	71.9	+2.7	58.5	−4.4	[a]54.2	+1.2	43.0	+2.1	33.6	+2.4	......	......
Philippi	[a]31.4	−0.5	[c]32.9	+1.7	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Pickens	26.4	−4.9	28.5	−2.2	37.2	−2.5	44.0	−4.2	52.7	−5.7	61.0	−4.1	67.2	−1.3	68.0	+1.3	55.6	−4.7	52.4	0	36.6	+3.8	31.1	−3.7	46.7	−2.4
Terra Alta	26.4	−1.4	28.0	+0.2	34.4	−4.6	42.2	−5.0	52.6	−6.4	59.9	−5.9	65.7	−3.4	67.0	0	55.4	−6.9	51.8	−0.1	39.2	0	33.5	+3.5	46.3	−2.5
Valley Chapel	33.1	......	37.4	......	43.0	......	48.9	......	59.4	......	67.4		74.2	......	75.7	......	62.0	......	58.4	......	45.1	......	35.4	......	53.3	......
Wellsburg	30.6	+0.9	34.2	+6.7	39.1	−0.1	46.1	−2.9	57.4	−3.1	65.6	−2.0	72.4	+0.6	72.8	+2.4	59.0	−5.2	55.8	+1.7	43.0	+1.7	34.5	+3.5	50.9	+0.4
Weston	......		35.4	+3.5	42.4	−1.4	48.1	−4.4	59.2	−3.9	70.1	−0.2	76.0	+1.7	......	......	......	......	58.1	+2.6	45.4	+2.1	36.8	+3.8	......	......
Wheeling	29.2	−1.4	30.8	0	38.2	−3.0	[c]46.0	−6.1	58.4	−4.5	65.8	−4.7	74.4	+0.2	76.4	+3.0	61.5	−3.9	56.4	+0.8	43.2	+1.1	34.3	+2.7	51.2	−1.3
SOUTHERN DIVISION																										
Bancroft	32.8	−1.6	35.6	+1.9	[a]42.5	−2.0	50.0	−3.5	60.6	−3.2	68.4	−2.5	76.0	+1.2	[a]76.2	+2.6	63.3	−5.0	58.5	+1.1	45.0	+0.5	36.6	+1.7	53.8	−0.7
Bluefield	[c]35.6	+1.1	[e]37.0	+3.1	[d]43.8	−0.5	[d]50.1	−3.1	[a]60.4	−1.5	[d]67.0	−1.8	[f]72.6	+1.1	[d]72.6	+1.6	[f]60.4	−5.3	[d]57.6	+1.6	[e]45.4	+1.0	[f]38.0	+2.8	53.4	0
Charleston	32.3	−6.2	36.3	−2.1	44.0	−4.7	52.3	−4.3	62.7	−3.2	69.5	−3.6	77.8	+1.3	78.7	+3.1	66.4	−3.7	[b]61.5	+2.2	47.2	0	40.7	+1.0	55.8	−1.7
Gary	32.7		[b]36.7		[a]43.0		[a]51.0	......	60.0	......	68.0	......	[a]74.0	......	[a]74.7	......	[a]61.7	......	58.0	......	44.8	......	36.2	......	53.4	......
Hinton	34.2	0	36.6	+2.6	42.5	−1.7	50.8	−2.1	61.9	−2.9	68.2	−2.3	75.0	+0.9	75.4	+2.0	63.4	−4.2	56.7	+0.1	41.8	−1.2	[b]35.3	+0.4	53.5	−0.7
Lewisburg	33.2	+1.3	35.2	+3.2	42.0	0	48.6	−1.5	57.4	−3.2	[a]64.5	−2.7	70.4	−0.6	71.3	+1.4	59.2	−4.9	54.6	+1.0	42.2	+0.7	34.8	+2.6	51.1	−0.2
Marlinton	27.0	−0.7	29.8	+0.2	......	......	......	......	56.0	−1.0	62.2	−2.3	67.4	−0.2	68.6	+2.2	56.2	−5.2	52.4	+2.6	37.3	0	29.2	0	......	......
Point Pleasant	33.0	−0.6	35.7	+2.1	43.4	−2.0	49.9	−5.0	60.6	−4.6	68.8	−3.6	78.6	+2.2	79.2	+4.6	64.1	−5.1	60.0	+2.4	46.8	+1.8	37.2	+2.0	54.8	−0.5
Powellton	35.7	+1.1	[c]39.4	+2.6	[b]45.6	−0.1	[h]55.8	+1.3	......	......	......	......	......	......	......	......	[c]60.0	−7.1	[d]61.6	+5.7	[a]49.4	+2.7	[c]39.9	+3.4	......	......
Ravenswood (Dam 22)	33.0	......	36.7	......	43.4	......	50.2	......	60.0	......	68.4	......	75.4	......	74.4	......	63.0	......	59.2	......	[f]47.4		[m]37.7	......	54.1	......
Robertsburg	32.0	−1.4	[d]35.2	+2.3	41.9	−2.7	49.4	−3.5	61.0	−2.9	68.6	−2.7	75.7	+0.3	76.5	+2.1	63.4	−4.7	58.8	+1.4	44.2	+0.8	[a]36.4	+2.4	53.6	−0.7
Ryan	30.3	−3.0	33.8	+0.6	39.9	−4.0	47.2	−5.2	57.5	−4.7	65.4	−3.7	71.6	−1.7	73.7	+0.6	60.8	−5.5	56.8	+2.0	43.0	+0.1	35.0	+1.1	51.2	−2.0
Spencer	32.2	−1.4	35.8	+2.0	41.0	−1.9	49.8	−2.6	59.2	−3.4	66.2	−3.7	72.9	−0.7	73.0	+0.3	57.9	−8.0	57.8	+2.6	45.4	+2.0	36.6	+2.1	52.3	−1.1
Sutton	33.5	−0.1	36.4	+1.9	42.8	−2.8	49.8	−3.3	59.6	−5.7	66.9	−6.0	74.8	−1.7	75.0	0	62.8	−7.3	58.6	+0.1	43.6	0	35.8	+2.2	53.3	−1.9
Union	[e]34.5	+1.9	[d]37.0	+3.9	[d]45.2	+2.0	[e]51.0	0	[c]61.1	0	[d]67.2	0	[e]73.4	+2.4	[d]73.6	+3.0	[e]61.8	−3.3	[d]56.5	+2.4	[d]44.0	+3.0	[e]35.6	+3.7	53.4	+1.6
White Sulphur Springs	[a]32.6	+0.7	[a]34.9	+0.3	[a]41.6	−3.1	[a]50.0	−1.2	[a]59.8	−1.0	[a]67.5	−0.5	[a]72.8	+1.9	[a]73.2	+2.7	[a]58.5	−5.9	[a]52.6	0	......	......	......	......	......	......
Williamson	[a]36.2	+0.3	[a]38.9	+2.8	[a]46.9	+0.1	[a]54.4	−0.6	[a]66.3	+0.9	[a]72.6	+0.6	[a]79.8	+4.3	[a]79.4	+4.5	[a]66.6	−2.7	......	......	[a]47.0	+1.8	[a]40.3	+3.4	......	......

Reference letters indicate number of days missing; [a] one day, [b] two days, etc.

THE WEATHER BY MONTHS

Continued from page 49

MARCH.—March was somewhat colder than usual, moderately low temperature prevailing the greater part of the month. The precipitation averaged practically normal. The snowfall was the heaviest of March State record, except in 1914. From late on the 17th until the morning of the 18th the snowfall averaged near 10 inches, being the heaviest snowfall for several years. Fruit buds were dormant at the close of the month.

APRIL—April was decidedly cold and wet. The average snowfall, 11.4 inches, was the heaviest of April State record. Over all the central, north-central and eastern counties the snowfall on the 27-28th averaged nearly 18 inches, and the fall at Bayard was 35 inches, Pickens 30 inches, and at Davis 29.8 inches. This storm caused great damage to fruit trees. Moderate floods occurred in the Monongahela and Potomac Rivers.

MAY. May was cool and dry. Freezing temperatures and light to heavy frosts occurred in many sections until the middle of the month. Cool weather greatly retarded growth and caused an exceptionally heavy fruit-drop. At the close of the month wheat was generally poor and corn small, with poor color.

JUNE.—June, with an average precipitation of 7.37 inches, was not only the wettest June of State record but was also the fourth wettest month of State record. Damaging floods occurred in Morgan, Logan and Wayne Counties. A great flood in Twelve Pole Creek and its tributaries destroyed twenty-five houses, making nearly 300 eople homeless. The month was exceptionally cool, and growth and farm work were uch retarded.

JULY.—July was somewhat warm and dry. The weather was excellent for rapid rowth and all crops were generally in good condition at the close of the month.

AUGUST.—The temperature and rainfall for August averaged considerably above the normal. There was abundant sunshine. The conditions were exceptionally favorable for the growth and ripening of crops.

SEPTEMBER—September was exceptionally cool. From the 25th to the 27th light to killing frosts were general over the State and on the 26th the temperature was somewhat below freezing in most sections. Owing to the lateness of the seasen, the cold weather caused but little damage, although the ripening of corn was much retarded.

OCTOBER.—October was somewhat warmer and considerable drier than usual. The first two decades were especially warm There were moderate showers after the 17th. Pastures were in fair condition until the middle of the month.

NOVEMBER.—November was warmer and wetter than usual. The greater portion of the precipitation was received on the 19-20th and 29-30th. There was considerable snow in the more elevated localities. The conditions were generally favorable for winter wheat.

DECEMBER.—December was somewhat warmer and much drier than usual. The average snowfall, 0.9 inch, was the least of December State record. A temperature of zero or below was not noted. More than one-third of the month's precipitation was measured on the 14-15th. The average number of clear days, 13, equalled the December State record.

ERRATA

The following data should be substituted for those published:

March, 1928, report.—Page 10: Weston, make greatest 24-hour precipitation 1.00 inch.

August, 1928, report.—Page 30: Make prevailing directions of wind for Inwood and Williamson SE. and SW., respectively.

September, 1928, report.—Page 34: Make directions of wind for Bruceton Mills, Lewisburg and Ravenswood SE., NW., and SE., respectively.

Monthly and Annual Precipitation for the Year 1928, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
PANHANDLE DIVISION																										
Bayard	4.52	+0.42	5.63	+2.24	7.64	+3.18	8.00	+4.11	5.30	+1.08	9.67	+4.62	6.85	+1.85	7.76	+4.31	4.07	+0.32	2.66	-0 79	6.09	+3.25	5.22	+1.25	73.41	+25.84
Brandywine	1.20	-1.25	0.85	-0.88	1.25	-1.63	4.25	+1.61	1.15	-1.81	6.10	+2.84	3.15	-0.48	6.15	+3.07	2.75	+0.07	1.55	-0.37	1.85	+0.06	1.05	-0.79	31.30	+ 0.44
Harpers Ferry	1.22	-1.49	2.48	+0.05	3.00	-0.06	6.91	+3.04	1.03	-2.84	5.43	+1.73	3.51	+0.02	5.84	+2.07	4.61	+0.92	1.44	-1.25	2.58	+0.31	1.46	-1.06	39.51	+ 1.44
Inwood	......	......	......	......	......	......	5.83	......	1.19	......	7.18	......	1.18	......	5.33	......	......	......	......	......	......	......	......	......	......	......
Martinsburg	1.78	-0.81	2.38	-0.05	3.16	-0.14	6.84	+3.44	1.53	-2.47	7.73	+3.44	3.71	-0.11	7.05	+3.24	4.65	+1.78	1.58	-0.98	1.33	-0.93	1.85	-1.18	43.59	+ 5.23
Moorefield	0.12	-2.38	1.84	-0.51	3.33	+0.68	5.22	+1.39	1.71	-1.84	4.21	+0.31	2.56	-0.86	4.24	+1.08	4.27	+1.59	0.84	-1.34	1.45	-0.19	0.77	-1.43	30.56	- 3.50
Perry	......	......	......	......	......	......	......	......	......	......	8.94	......	3.34	......	7.43	......	5.69	......	0.58	......	5.31		0.24	......	......	......
Piedmont	1.20	-1.50	1.77	-0.89	3.43	+0.43	4.54	+1.52	1.66	-1.74	6.29	+2.73	3.39	-0.30	2.91	-0.68	2.02	-0.34	0.59	-2.21	2.18	+0.17	1.13	-1.37	31.11	- 4.18
Romney	0.57	-2.12	......	......	2.27	-0.75	6.01	+3.15	0.70	-2.93	7.41	+3.50	1.83	-1.43	3.09	-0.90	4.53	+1.77	0.91	-1.47	0.88	-1.08	0.60	-1.82	......	......
Stony River Dam	2.71	......	1.83	......	4.11	......	5.79	......	2.03	......	6.94	......	2.74	......	5.30	......	3.36	......	2 53		3.38	......	2.22	......	42.94	......
Upper Tract	1.06	-1.30	0.40	-1.18	1.32	-0.98	3.81	+1.79	0.55	-2.63	1.55	-2.08	1.10	-2.58	4 57	+1.22	2.55	+0.16	0.95	-1.05	0.65	-0.88	0.50	-1 48	19.01	-10.99
Wardensville	1.32	......	1.74	......	3.02	......	3.84	......	......	......	9.68	......	1.77	......	5.93	......	4.97	......	1.15	......	......	......	......	......	......	......
NORTHERN DIVISION																										
Aberdeen	2.52	......	2.41	......	4.27	......	6.95	......	3.84	......	6.65	......	5.37	......	4.79	......	2.68	......	1.85	......	3.74	......	2.26	......	47.33	......
Alma	1.64	......	2.97	......	3.44	......	4.72	......	2.99	......	10.10	......	4.77	......	7.08	......	1.83	......	1.99	......	3.15	......	2.24	......	46.92	......
Bens Run	1.58	-2.83	3.80	+0.61	4.12	-0.02	3.98	-0.10	2.01	-2.52	11.45	+6.93	6.30	+1.75	5.78	+1.54	1.57	-0.78	2.41	-0.70	2.86	+0.31	1.91	-1.85	47.77	+ 2.34
Benson	2.08	......	2.32	......	3.39	......	4.98	......	4.10	......	7.37	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Brownsville	2.49	......	2.19	......	3.66	......	4.16	......	3.78	......	6 96	......	6.53	......	4.55	......	3.60	......	1.96	......	4.05	......	2.47	......	46.40	......
Bruceton Mills	2.54	-2.72	5.21	+1.85	4.79	+1.38	5.79	+2.09	2.14	-2.27	8.23	+3.65	6.57	+1.27	8.38	+3.73	2.67	-0.95	1.80	-1.98	3.98	+1.33	1.98	-1.62	54.08	+ 5.76
Buckhannon	2.44	-2.07	2.80	-1.07	6.64	+2.12	6.48	+2.22	4.28	-0.32	7.72	+2.83	5.17	-0.17	5.23	+1.13	2.59	-0.54	2.52	-0.94	4.10	+0.65	2.47	-1.54	52.44	+ 2.30
Cairo	1.93	-2.62	2.57	-0.91	3.65	-0.50	5.16	+1.48	2.20	-1.32	6.26	+1.45	3.12	-1.51	......	......	......	......	......	......	......	......	......	......	......	......
Clarksburg	2.05	......	2.05	......	3.27	......	5.07	......	3.01	......	5.10	......	3.41	......	5.91	......	1.82	......	2.11	......	2.28	....	3.06	......	39.14	......
Cortland	3.83	-0.98	3.08	-0.84	4.15	0	4.96	+1.44	3.70	-0.79	10.88	+6.10	2.38	-3.62	4.10	-0.04	1.45	-2.03	1.84	-1.52	......	......	......	......	......	......
Crawford	2.41	......	2.11	......	5.06	......	6.66	......	3.61	......	7.66	......	5.28	......	5.40	......	2.69	......	2.01	......	4.46	......	2.69	....	50.04	......
Creston	2.62	-1.23	2.83	-0.06	2.79	-1.23	5.20	+1.19	2.46	-1.45	7.82	+3.55	2.47	-1.55	6.23	+2.78	1.88	-0.70	2.83	-0.18	2.95	+0.05	2.10	-1.23	42.18	- 0.06
Dam 10, Mon. R	2.02	......	2.60	......	4.11	......	6.81	......	1.91	......	4.51	......	5.48	......	5.19	......	1.91	......	1.32	......	2.15	......	2.82	......	40.83	......
Dam 12, O. R	1.81	-1.33	2.89	+0.66	4.54	+1.25	4.17	+1.15	2.28	-1.04	6.02	+2.33	7.56	+4.14	1.85	-2.92	1.50	-2.24	2.10	-1 10	1.98	-0.86	2.08	-0.94	38.78	- 0.90
Dam 13, O. R	1.78	-1.50	3.07	+0.75	4.56	+1.55	4.62	+1.61	2.28	-1.33	5.30	+1.80	8.97	+5.12	3.82	-0.71	1.38	-2.48	1 87	-1.19	1 84	-0.88	1.86	-1.44	41.35	+ 1.30
Dam 15, Mon. R	1.72	......	2.41	......	4.18	......	6.05	......	2.38	......	5.19	......	3.99	......	5.89	......	1.99	......	1.56	......	2.74	......	2.47	......	40.57	......
Davis	3.36	-2.46	3.27	-0.91	4.73	+0.42	7.18	+3.21	3.63	-0.52	11.05	+6.13	4.42	-1.14	7.13	+2.15	2.70	-1.07	2.33	-1.82	4.74	+1.77	3.31	-1.53	57.85	+ 4.23
Elizabeth	2.42	-2.20	2.40	-0.26	3.37	-0.71	3.95	+0.33	2.09	-1.60	8.00	+4.18	1.65	-2.64	5.86	+1.49	2.33	-0.36	1.51	-1.24	3.45	+0.98	1.51	-1.80	38.54	- 3.83
Elkins	2.81	-0.53	2 53	-0.76	3.33	-0.74	6.74	+3.45	3.94	-0.04	7.99	+2.95	4.81	+0.17	4.77	+1.12	2.34	-0.53	1.71	-0.71	3.98	+1.12	2.68	-0.74	47.63	+ 4.76
Evenwood	2.19	......	2.87	......	4.36	......	7.18	......	3.73	......	5.74	......	2.26	......	3.27	......	2.24	....	1.41	......	......	......	1.05	......	......	......
Fairmont	1.69	-2.26	2.87	-0.26	3.95	+0.01	4.78	+1.14	2.71	-1.19	4.09	-0.30	5.06	+0.46	4.94	+1.25	1.86	-1.03	1.53	-1.34	1.92	-0.95	2 56	-0.83	37.96	- 5.30
Glenville	2.33	-2.02	2.50	-1.23	4.86	+0.62	5.79	+2.05	2.90	-1.31	7.04	+2.57	5.55	+0.26	6.25	+2.34	2 92	-0.35	2 38	-0.67	3.73	+0.75	2.83	-0.86	49.08	+ 2.15
Grafton	......	......	......	......	......	......	......	......	1.50	-2.52	5.45	+0.86	6.18	+1.43	6.85	+2.95	1.32	-1.60	1.55	-1.59	......	......	2.05	-1.46	......	......
Horner	2.40	......	3.85	......	4.72	......	6.07	......	4.38	......	7.58	......	5.89	......	5.50	......	2.82	......	3.26	......	2.53	......	3.64	......	52.64	......
Horton	2.95	......	2.72	......	3.47	......	4.31	......	2.65	....	8.85	......	2.85	......	3.58	......	2.27	......	2.02	......	4.30	......	2.20	......	42.17	......
Janelew	1.88	......	2.01	......	3.49	....	5.80	......	4.15	......	6.36	......	5.62	......	4.68	....	1.63	......	1.70	......	3.45	....	1.75	......	42.52	......
Lost Creek	2.23	-1.83	2.07	-0.99	3.79	-0.30	5.69	+2.33	3.65	-0.64	6.18	+1.99	3.52	-1.26	3.08	-0.94	2.19	-0.59	2.02	-0.71	3.02	+0.52	2.37	-1.12	39.81	- 3.54
Mannington	2.09	-2.52	2.94	+0.15	4.05	+0.30	5.76	+1.79	2.30	-1.75	5.65	+1.43	6.85	+1.88	7.46	+3.54	2.00	-1.17	2.08	-0 86	3.25	+0.75	2.07	-1.45	46.50	+ 2.09
Morgantown	1.30	-2.44	2.87	-0.18	3.95	+0.36	4.33	+1.11	1.44	-2.12	4.66	+0.15	3.98	-1.00	4.45	+0.27	1.54	-1.63	1.65	-1.49	2.28	-0.68	2.37	-0.71	34.82	- 8.36
New Cumberland	2.07	-0.69	4.16	+1.76	4.37	+1.14	3.82	+0.55	3.01	-0.29	9.70	+5.20	5.79	+1.66	2.70	-0.78	0.81	-2.27	2 24	-0.54	2.01	-0.11	1.98	-0.73	42.66	+ 4.90
New Martinsville	1.70	-2.06	4.05	+1.07	3.55	-0.10	4.80	+1.21	2.25	-1.49	7.55	+3.48	6.55	+1.75	7.35	+3.85	1.55	-1.10	2.15	-0.73	3.15	+0.51	1.70	-1.86	46.35	+ 4.53
Parkersburg	1.46	-1.73	2.73	-0.62	3.54	-0.28	3.15	+0.24	1.84	-1.62	8.63	+3.98	2.61	-2.05	4.75	+1.22	1.67	-1.05	2.18	-0.26	2 85	+0.05	1.59	-1.18	37.03	- 3.30
Parsons	......	......	3.06	-0.36	6.69	+2.63	4.29	+0.44	......	......	......	......	5.57	+0.45	4.31	+0.52	1.49	-1 63	2.37	-0.81	5 45	+2.91	5.50	+1.71	......	......
Parsons (No. 2)	2.81	-1.96	2.43	-0.99	3.45	-0.61	5.64	+1.79	3.97	+0.07	5.85	+0.61	4.03	-1.09	5.02	+1.23	1.89	-1.23	2 43	-0.45	5.42	+2.88	2.62	-1.17	45.56	- 0.92
Philippi	3.03	-0.92	3.71	+0.34	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Philippi (No. 2)	3.16	-0.79	2.69	-0.68	4.03	-0.17	6.60	+2.67	4.03	-0.25	7.46	+2.94	5.28	+0.30	5.91	+1.86	2.78	-0.36	1.92	-0.96	3.46	+0 67	3.60	-0.23	50.92	+ 5.00
Pickens	4.55	-2.12	6.06	+0.99	6.48	+0.70	7.04	+2.00	3.29	-2.04	11.69	+5.58	4.66	-1.71	7.96	+2.85	4.14	+0.21	2.61	-1.46	9.41	+5.56	2.64	-2.56	70.53	+ 8.00
Roanoke	2.55	......	2.17	......	4.08	......	4.91	......	4.13	......	7.85	......	6.64	......	4.59	......	2.42	......	2.13	.....	4.38	......	1.91	......	47.76	......
Rowlesburg	3.16	-1.34	3.30	-0.11	5.28	+0.98	6.13	+2.12	3.86	-0 50	6.97	+1.95	6 24	+1.22	6.31	+2.44	1.69	-1.38	1.74	-1.29	4 11	+0.89	3.34	-0.70	52.13	+ 4.28
St. Marys	1.83	-2.73	3.58	+0.38	4.61	+0 99	4.56	+0.66	2.31	-1.55	9.52	+5.75	3 28	-0.83	6.70	+1.84	1.85	-0.65	2 78	-0.62	2 62	+0.14	2.25	-1.25	45.89	+ 2.13
Smithfield	0.58	-4.25	1.55	-2.07	2.08	-1.89	3.32	-0.58	1.28	-2.90	3.53	-1.06	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Terra Alta	2.81	-2.49	2.94	-0.83	3.99	-0.83	4 96	+0.94	3.20	-1.79	6.41	-0.57	5.68	+0.12	5.79	+0.80	1.88	-1.75	2.11	-1.51	3.33	+0.25	1.66	-3.50	44.76	-11.16
Valley Chapel	2.37	......	1.78	......	4.13	.	5.27	......	3.55	......	6.95	......	4.20	......	3.96	......	2.14	......	2.12	......	3.19	......	2.41	......	42.07	......
Vandalia	1.39	......	3.06	......	2.89	......	6.07	......	4.00	......	7.31	......	......	......	4.53	......	1.96	......	2 13	....	4.07	......	2.18	......	......	......
Wellsburg	1.45	-1.99	3.59	+0.44	4.51	+1.28	3.90	+0.85	1.65	-1.83	7.02	+2.61	7.44	+3.13	3.86	-0.01	1.46	-1.73	2.08	-0.78	2.56	+0.15	1.78	-1.24	41.30	+ 0.88
West Milford	2.22	......	2.22	......	4.19	......	5.49	......	3.91	......	8.15	......	3.13	......	6.35	......	2.49	......	2.06	....	3.23	......	2.60	......	46.04	......
Weston	2.99	-1.18	2.58	-1.16	3.58	-0 89	5.35	+1.30	4.25	-0.06	8.60	+4.05	5.80	+0.83	5.05	+1.12	3.10	+0.21	1 79	-1.32	3.66	+0.43	2.76	-0.94	49.51	+ 2.39
Wheeling	1.80	-1.36	3.29	+0.77	4.47	+1.37	4.23	+1.10	2.13	-1.36	6.10	+2.29	6.88	+2.38	2.04	-1.66	1.58	-1.15	1.83	-0.73	1 93	-0.58	2.04	-0.97	38.32	+ 0.10
Woodlands	1.79	......	3.15	......	3.98	......	4.96	......	2.47	......	8.09	......	5.09	......	6.57	......	0.98	......	2.56	......	2.03	......	2.32	......	43.99	......
SOUTHERN DIVISION																										
Arbovale	2.30	......	2.25	......	3.60	......	3.98	......	1.59	......	7.15	......	5.02	.....	4.73	......	3.18	......	1.53	......	4.34	......	1.74	......	41.41	......
Bancroft	2.46	-1.94	2.33	-0.58	3.79	-0.15	4.69	+0.86	1.51	-2.63	7.70	+3.07	5.11	+1.07	4.70	+0.28	2.86	+0.07	2 46	-0.72	2.81	+0.41	1.63	-1.72	42.05	- 1.98
Bluefield	2.53	-0.69	1.53	-1.52	2.94	-0.72	3.59	+0.21	3.21	-0.43	3.00	-1.78	3 94	-0.53	4.36	-0.06	4.66	+2.00	3 26	+0.38	1.24	-1.04	0.64	-2.27	34.90	- 6.45
Camden-on-Gauley	2.40	-1.38	1.29	-1.93	3.26	-1.19	4.93	+1.40	1.45	-3.75	11.03	+5.89	3.77	-1.28	5.74	+0.95	4.30	+0.96	2.08	-0 86	6.05	+2.35	1.34	-3.06	47.64	- 1.90
Charleston	2.28	-1.67	2.12	-1.45	4.36	-0.06	5.84	+2.15	1.82	-2.25	8.06	+3.53	3.04	-1.18	6.86	+2.35	2.58	-0.55	1.58	-1.36	3.38	+0.26	2.06	-1.45	43.98	- 1.68
Clay	2.75	-0.90	2.11	-1.20	4.39	+0.56	6.40	+3.06	1.38	-2.75	10.47	+6.31	4.76	+0.57	6.06	+0.64	4.31	+0.85	1.92	-1.35	3.86	+0.77	2.75	-1.33	51.16	+ 5.23
Dam 6 G. K	1.89	......	1.75	......	3.58	......	4.95	......	1.35	......	7.30	......	2.69	......	6.38	......	2.19	......	1.55	......	3.04	......	1.29	......	37.96	......
Dam 19 O. R	1.88	-1.92	2.82	+0.25	3.67	-0 33	3.99	+0.42	2.07	-2.26	8.10	+4.17	3.55	-0.80	5.68	+1.59	1.94	-1.82	3.26	-0.21	2.78	-0.58	2.74	-0.64	42.48	- 2.13
Dam 20 O R	1.82	-2.03	3.01	0	3.39	-0.53	4.18	+0.70	2.36	-1.46	7.68	+3.80	3.41	-0.38	5 29	+0.68	2.06	-1 26	2.28	-1.31	2.72	-0.37	2.40	-1.14	40.60	- 3.30
Dam 25 O. R	2.15	......	2.43	......	3.17	......	3.29	......	1.34	......	5.78	......	2.79	......	4.27	......	1.42	......	2.00	......	2.82	.	1.82	......	33.28	......
Dam 26 O. R	1.90	......	2.19	......	3.40	......	3.35	......	1.38	......	7.40	......	2.35	......	2.90	......	2.03	......	1.57	......	2.55	.	1.58	......	32.60	......
Gary	1.84	-2.22	1.16	-2.49	3.84	+0.30	4.14	+0.62	4.62	+0.55	4.33	-0.75	2.66	-1.62	6.43	+1.76	5.02	+1.57	1.72	-1.95	1.88	-1.06	1.30	-2.54	38.94	- 7.83
Hinton	2.25	-0.96	0.85	-2.20	3.88	-0.17	3 85	+0 57	2.45	-1 62	6.02	+1.79	4.07	+0.12	8.43	+4.57	4.55	+1.79	1.39	-1.26	1.71	-0.49	1 76	-1.04	41 21	+ 1.10
Kanawha Falls	2.45	......	1.80	......	3.77	......	6.18	......	2.95	......	7.69	......	4.17	......	5.61	......	4.14	......	1 95	......	4.36	......	2.18	......	47 25	......
Kayford	2.54	-2.56	1.84	-1.04	3.99	-1.57	6.37	+1.85	1.82	-3.08	8.77	+2.96	5.26	+0.54	8 38	+4.52	4.58	+0.66	2.66	-0.79	4.54	+1.51	1.85	-1.60	52.60	+ 1.40
Kermit	2.47	......	1.85	......	2.71	......	6.57	......	3.62	......	11.57	......	4.22	......	4.87	......	1.80	......	2.63	......	3 54	......	1.00	......	46.85	......
Lewisburg	1.79	-1.74	1.57	-1.39	2.56	-1.40	3.19	-0.25	2.01	-1.63	5.45	+1.21	4.11	+0.03	5.98	+2.42	3.74	+0.91	2.03	-0.82	2 00	-0.47	1.35	-1.90	35.78	- 5.03
Logan	3.10	-1.68	1.96	-1.94	4.25	-1.00	6.81	+2.01	3.24	-0.92	10.32	+4.41	5.90	0	5.82	+2.17	3.88	+0.89	1.85	-0.90	4.30	+1.43	1.78	-2.80	53.21	+ 1.67
Marlinton	3.04	-1.04	3.07	-0.43	......	......	......	......	1 98	-1.99	9.19	+4.45	5.19	-0.12	7.51	+2.64	4.41	+1.31	1.68	-1.43	5.00	+2.07	2.26	-1.62	......	......
Organ Cave	1.09	......	2.44	......	2.00	......	3.29	...	1.95	......	4.50	......	2.56	......	4.68	......	6.45	......	2 25	....	2.21		2.39	......	35.81	......
Point Pleasant	2.19	-1.69	2.46	-0.96	3.99	-0.16	3.30	+0.02	1.95	-2.00	5.62	+1.32	2.85	-1.16	3.66	+0.40	1.17	-1.35	2.16	-0.43	2.76	-0.04	2.64	-0.79	34.75	- 6.84
Powellton	2.08	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	0.70	-2.36	......	......
Ravenswood (Dam 22)	2.14	......	2.26	......	3.83	......	3.75	......	2.04	......	6.69	......	2.13	......	5.11	......	1.78	......	1.60	....	2.25	....	2.05	......	35.63	......
Robertsburg	1.98	-2.02	2.20	-0.82	3.37	-0.71	3.63	-0.11	1.43	-2.17	6.02	+1.97	2.12	-1.62	3 24	-0.01	2.03	-0.28	2.18	-0.60	2 83	+0.46	1.70	-1.76	32.73	- 7.67
Ryan	2.46	-1.76	2.57	-0.80	3.90	-0.42	5.20	+1.35	2.30	-1.40	9.11	+4.64	3.57	-0.99	3.74	-0.12	3.72	+0.93	2 97	-0.48	4.30	+1.82	1.36	-2.09	45 20	+ 0.68
Sharples	3.27	......	1.75	......	3.95	......	7.62	......	2.98	......	10.59	......	3.98	......	6.21	......	3.79	......	2.05	....	5 61	......	1.76		53.56	......
Spencer	2.58	-1.82	2.41	-0.63	3.73	-0.21	4.41	+0.78	2.23	-1.47	7.92	+3.57	1.90	-2.39	3.61	-0.05	2.33	-0 61	1.72	-1.49	3 10	+0.62	2.02	-1.35	37.96	- 5.05
Sutton	2.65	-2.37	2.75	-0.55	4.54	+0.51	6.35	+2.16	3.10	-1.39	11 24	+6.21	4.75	-0.42	5.77	+2.03	2.70	-0.46	2.12	-0.97	5.93	+1.97	2.93	-1.01	54.83	+ 5.71
Union	2.16	-1.45	1.45	-1.26	2.42	-1.32	2.57	-0.32	2.29	-0.47	4.76	+0.44	1.93	-2.69	4.33	+0.48	3.18	+0.58	2.76	-0.08	1.48	-1.51	1.24	-1.28	30.57	- 8.88
Wayne	3.20	......	1.72	.....	4.24	......	4.73	......	2.62	......	9.75	......	2.63	......	6.41	......	2.19	......	2.67	....	3.98	......	1.17	....	45.31	......
White Sulphur Springs	2.12	-0.46	1.15	-3.07	2.51	-2.61	3.07	-0.01	1 99	-1.88	4.36	-0 20	3.40	-1 65	4.54	+1.28	6 15	+2.87	2.05	-0.77	1.90	-0.51	1.55	-1.61	34.79	- 8.62
Williamson	2.34	-1.98	1.89	-1.26	3.97	-0.63	6.88	+2.99	4.39	+0.48	7.70	+3.07	3.26	-1.00	6.61	+3.07	3.04	+0.02	1.57	-1.19	4.51	+1.92	1.75	-1.31	47.91	+ 4.18

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVII Parkersburg, W. Va., January, 1929 No. 1

GENERAL SUMMARY

January was slightly colder and considerably drier than usual. The snowfall, 6.1 inches, averaged about 2.5 inches below the normal. The highest and lowest temperatures were well within previous January records. There was one well-marked period of warm weather, and rather cold weather prevailed during two short periods. There was generally ample snow-cover during the cold periods. The conditions were favorable for winter grains and for outdoor work.

TEMPERATURE

The monthly mean for the State, determined from 45 stations, was 31.4°. The departure from the normal for 39 stations having ten or more years of record was −0.9°. The month opened warm and the temperature was also above the normal from the 3d to the 5th, 9th to the 11th, and from the 17th to the 25th, the warmest period of the month being from the 14th to the 19th, with the highest temperature on the 18th. The temperature was below the normal from the 12th to the 16th and the 26th to the end of the month, the lowest temperature occurring on the 14th.

PRECIPITATION

The average precipitation for the State, determined from 80 stations, was 2.92 inches. The departure from the normal for 55 stations having ten or more years of record was −0.96 inch. As usual, the precipitation was heaviest over the more elevated portions of the State. It was lightest over the eastern panhandle counties. The greater portion of the precipitation was measured on the 1st, 6th, 10th, 12-13th, 15th, 18-19th, 22d-23d, 25th, and 28th, the amounts being the greatest on the 10th and 18-19th. While light snow fell in most portions of the State from five to ten days, the greatest amounts were measured on the 12-13th, 28th, and the 29-30th and the amounts on other dates were generally unimportant. At Pickens the monthly amount was 31.0 inches.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 17th; Bruceton Mills, 10th; Davis, 5th; Elkins, 21st; Marlinton, 16th; Wheeling, 5th and 16th.
Halo, lunar: Pickens, 18th.
Sleet: Arbovale, 17th and 25th; Bens Run, 22d; Bruceton Mills, 22d; Cairo, 24th; Davis, 25th; Huntington, 2d, 15th, and 28th; Lost Creek, 24th; Marlinton, 5th, 10th, 17th, 21st, and 24th; Martinsburg, 23d and 25th; Moorfield, 22d; Parkersburg, 22d and 24th; Perry, 22d and 25th; Piedmont, 5th and 23d; Terra Alta, 22d and 23d; Wheeling, 24th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.12	87	73	79	116.1	38	6,127	8.2	38	sw.	18
Columbus, Ohio	30.10	80	72	77	88.9	30	8,480	11.4	42	w.	19
Elkins	30.13	79	70	72	82.2	27	5,477	7.3	35	nw.	25
Lexington, Ky	30.14	85	77	....	89.0	29	10,221	13.7	48	sw.	18
Parkersburg	30.13	76	61	68	74.2	24	4,855	6.5	36	w.	25
Pittsburgh, Pa	30.11	73	66	65	84.7	28	8,901	12.0	50	w.	25
Wytheville, Va	30.10	80	70	71	127.0	41	5,570	7.5	34	sw.	18

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	31.7	....	....	3.64	....	....	....	....	....	....	....
1892	29.4	76	− 3	3.15	....	....	....	11	....	....	....
1893	22.6	71	−25	2.49	....	....	....	12	7	7	17
1894	36.6	70	− 8	2.41	4.23	0.83	....	9	12	8	11
1895	25.0	69	−21	4.48	6.53	2.37	....	13	6	9	16
1896	32.4	72	− 6	1.57	2.72	0.67	1.8	15	9	14	8
1897	28.8	69	−18	1.70	2.85	0.90	4.0	9	10	7	14
1898	37.1	75	− 5	5.10	8.04	2.24	5.0	12	6	9	16
1899	32.1	70	−21	4.05	7.01	2.05	7.5	11	10	7	14
1900	34.5	74	−10	2.24	3.60	0.82	1.9	10	9	8	14
1901	33.6	69	− 4	2.41	3.87	1.18	7.3	10	8	7	16
1902	30.2	64	− 1	3.65	8.52	1.45	9.8	9	9	7	15
1903	31.8	79	− 7	3.21	6.45	1.55	8.6	11	8	7	16
1904	27.5	72	−18	2.72	5.82	1.24	10.8	11	9	8	14
1905	26.4	70	−14	3.15	7.43	1.48	22.0	13	7	7	17
1906	38.2	80	− 5	3.79	8.70	1.36	5.1	9	11	7	13
1907	38.7	76	−15	6.41	11.54	2.35	5.6	14	6	7	18
1908	31.0	62	−16	2.92	8.19	0.50	12.8	11	12	7	12
1909	36.8	76	− 5	3.41	6.59	1.50	8.7	12	8	6	17
1910	32.0	67	− 5	5.68	10.10	2.52	15.4	11	6	6	19
1911	37.3	71	− 5	5.86	12.63	3.11	7.0	14	8	6	17
1912	23.5	66	−34	2.60	6.93	1.10	13.6	10	7	8	16
1913	40.7	74	9	6.23	10.53	1.84	5.7	13	9	6	16
1914	35.8	83	−11	3.18	5.65	1.55	15.6	10	7	6	18
1915	31.7	68	− 8	4.85	11.38	2.00	10.4	13	8	6	17
1916	38.8	79	−10	4.86	8.52	1.70	6.1	13	11	7	13
1917	33.2	77	− 9	4.66	7.67	1.72	8.3	12	11	6	14
1918	20.7	55	−27	4.24	9.22	2.00	21.5	14	8	5	18
1919	34.1	69	−16	3.79	6.66	1.60	6.9	18	16	4	11
1920	28.7	77	−11	4.12	7.26	0.40	3.9	11	8	6	17
1921	35.5	71	− 2	2.76	5.94	0.10	4.3	9	11	6	14
1922	30.2	68	−15	2.75	4.81	1.01	10.8	11	12	6	13
1923	35.2	68	− 1	4.46	7.60	1.13	4.4	14	7	5	19
1924	30.1	70	−15	4.62	7.14	0.62	1.8	10	13	5	13
1925	31.1	65	−27	3.81	7.07	1.32	15.8	13	11	4	16
1926	29.7	66	−23	3.71	7.74	1.78	13.3	11	8	5	18
1927	32.5	74	−14	4.08	9.58	0.10	5.9	14	6	5	20
1928	32.0	74	−14	2.18	4,55	0.12	4.0	8	11	7	13
1929	31.4	75	−19	2.92	6.67	1.05	6.1	12	7	5	18
1891-1929	32.0	83	−34	3.69	12.63	0.10	8.6	11	9	7	15

Climatological Data for January, 1929

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard ††	Grant	2,375	28	27.6	−0.4	63	18†	−8	14	36	7.48	+2.28	1.17	13.0	17	5	8	18	w.	U. G. Clark
Brandywine	Pendleton	1,586	13	29.3	−0.5	66	18	1	8	30	1.60	−0.85	0.75	T.	7	15	1	15	s.	Elmer Keister
Harpers Ferry	Jefferson	244	40	...	...	...	...	...	...	...	2.21	−0.46	0.62	0.5	9	...	...	...	...	J. C. Newcomer
Martinsburg	Berkeley	435	37	^{a}30.8	+0.3	67^{a}	18	4	14	42^{a}	2.47	−0.12	0.65	3.0	9	18	11	2	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	33	33.3	+1.4	70	18†	2	14	40	1.61	−0.89	0.60	1.5	6	23	1	7	...	M. S. Henkel
Perry	Hardy	...	1	...	...	...	...	...	...	...	1.05	...	0.44	1.3	10	14	8	9	n.	W. R. Paddock
Piedmont	Mineral	1,053	16	28.4	−1.3	64	19	1	14	23	2.34	−0.36	0.74	3.8	9	9	5	17	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	31	^{a}30.4	−0.5	68^{a}	18	2	14	39^{a}	1.27	−1.42	0.50	...	3	4	9	18	...	George E. Bergdoll
Stony River Dam	Grant	3,300	9	...	...	...	...	...	...	...	3.21	...	0.67	9.5	14	4	7	20	w.	A. C. Becker
Upper Tract	Pendleton	1,230	30	^{b}31.4	−1.9	64^{a}	21	0^{b}	14	40^{b}	...	...	...	...	...	5	0	26	w.	J. M. Mallow
Wardensville	Hardy	1,200	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	5	...	...	...	...	...	...	...	2.35	...	0.70	4.5	14	3	9	19	w.	L. Else Bond
Alma (near)	Tyler	...	2	...	...	...	...	...	...	...	2.46	...	0.43	6.2	14	2	11	18	...	D. N. Furbee
Bens Run	Pleasants	652	27	31.6	−0.5	66	18†	5	8†	30	3.12	−1.29	0.61	11.0	12	5	9	17	...	J. D. Riggs
Brownsville	Lewis	1,032	6	32.8	...	70	18†	−12	14	43	2.31	...	0.66	5.0	13	9	3	19	...	George M. Myers
Bruceton Mills	Preston	1,549	12	...	...	...	...	...	...	...	4.23	−1.03	0.95	12.0	17	2	6	23	w.	W. M. Wolf
Buckhannon	Upshur	1,411	32	32.2	+0.6	68	18	−7	14	33	2.53	−1.98	0.90	5.0	10	9	1	21	...	H. A. Darnall
Cairo	Ritchie	680	30	31.3	−3.6	71	19	−13	14	41	2.82	−1.73	0.52	5.2	17	5	9	17	...	O. C. Hess
Clarksburg	Harrison	1,015	7	30.2	...	70	18	−9	14	53	2.36	...	0.48	3.0	13	4	8	19	w.	Clarksburg Water Board
Cortland	Tucker	3,300	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	G. W. Harmon
Crawford	Lewis	1,107	6	...	...	...	...	...	...	...	2.31	...	0.83	3.1	12	7	10	14	w.	George W. Blair
Creston	Wirt	640	27	33.0	−0.4	71	18	−10	14	40	2.87	−0.98	0.70	1.8	11	8	0	23	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	13	...	...	...	...	...	...	...	3.98	+0.84	1.18	...	12	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	13	...	...	...	...	...	...	...	3.21	−0.07	1.16	...	14	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	8	...	...	...	...	...	...	...	2.77	...	0.58	7.5	14	...	...	...	...	Lockmaster
Davis	Tucker	3,093	20	...	...	...	...	...	...	...	4.98	−0.84	0.81	14.9	19	4	4	23	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	17	...	...	...	...	...	...	...	3.20	−1.42	0.60	7.0	12	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	28	31.2	+0.8	67	18	−10	14	44	3.21	−0.57	1.00	11.0	21	2	8	21	w.	U. S. Weather Bureau
Evenwood	Randolph	3,240	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Claude A. Cunningham
Fairmont	Marion	883	23	30.0	−1.9	69	18	−5	14	49	2.78	−1.17	0.50	4.8	16	5	4	22	w.	J. C. Robinson
Glenville	Gilmer	738	35	33.8	+0.7	74	18	−19	14	57	2.99	−1.36	0.64	4.2	16	5	11	15	w.	Howard R. Brannon
Grafton	Taylor	1,000	36	^{a}26.8	−5.9	52^{a}	18	−10	13	40^{a}	1.22	−3.05	0.35	4.5	7	4	11	13	w.	Curtis Boice
Horner	Lewis	1,044	6	...	...	...	...	...	...	...	3.40	...	0.70	...	8	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	4	...	...	...	...	...	...	...	4.12	...	1.06	22.5	15	3	3	25	w.	J. W. White
Janelew (near)	Lewis	1,020	6	33.0	...	70	18†	−15	14	42	1.35	...	0.45	6.0	7	12	7	12	sw	Dan Burkholder
Lost Creek	Harrison	1,026	31	31.5	−1.2	69	18†	−16	14	41	2.42	−1.64	0.43	3.5	12	6	6	19	w.	Allen Smith
Mannington	Marion	985	26	31.2	0	68	19	−15	14	39	3.67	−0.91	0.93	4.1	17	4	6	21	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	36	31.3	−0.6	70	19	−6	14	39	2.83	−0.91	0.60	4.5	13	0	1	30	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	31	^{a}26.8	−1.4	70^{a}	18	−3	16	61^{a}	2.99	+0.08	0.78	7.8	15	9	4	18	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	35	31.9	−0.9	70	19	−7	14	34	3.82	+0.06	0.85	5.0	10	6	2	23	n.	Wm. Ankrom
Parkersburg	Wood	638	42	31.2	−1.3	72	18	−4	14	34	2.57	−1.01	0.46	7.4	18	5	3	23	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	29	31.7	+0.5	68	18†	−10	14	39	3.47	−1.30	0.91	10.0	11	8	6	17	...	J. W. Swisher
Parsons No. 2	Tucker	...	3	...	...	...	...	...	...	...	2.59	−2.18	0.76	8.2	14	5	7	19	...	Robert T. Deem
Philippi	Barbour	1,550	32	...	...	...	...	...	...	...	2.47	−1.86	0.60	...	7	...	...	...	...	H. F. Brittingham
Pickens	Randolph	2,697	26	28.1	−2.8	62	19	−19	14	60	6.67	0	1.50	31.0	19	1	9	21	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	6	...	...	...	...	...	...	...	2.44	...	0.67	7.0	14	5	4	22	...	Miss Mary A. Conrad
Rowlesburg ††	Preston	1,375	42	...	...	...	...	...	...	...	3.38	−1.12	0.65	...	16	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	20	...	...	...	...	...	...	...	3.31	−1.25	0.62	5.5	14	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	28	25.6	−2.0	63	18†	−9	14	33	3.98	−1.32	0.97	9.0	14	3	4	24	...	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	6	35.2	...	70	18†	−12	14	40	2.41	...	0.60	4.0	10	9	6	16	w.	J. C. Campbell
Vandalia	Lewis	1,120	6	...	...	...	...	...	...	...	2.27	...	0.57	8.5	9	...	...	...	...	Creed H. McCue
Wellsburg	Brooke	668	22	28.4	−1.3	75	19	−9	16	41	3.59	−0.19	0.63	5.0	9	1	8	22	w.	George C. Pister
West Milford ††	Harrison	979	4	...	...	...	...	...	...	...	2.87	...	1.10	...	4	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	34	...	...	...	...	...	...	...	2.79	−1.38	0.70	...	10	...	...	...	...	Weston State Hospital
Wheeling	Ohio	645	42	27.0	−3.4	70	18	−8	14	60	3.88	+0.72	1.15	5.0	14	4	12	15	nw.	Miss M. B. Forsyth
Woodlands	Marshall	637	2	...	...	...	...	...	...	...	4.29	...	1.09	6.0	19	2	10	19	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	3	...	...	...	...	...	...	...	3.28	...	0.81	5.0	15	9	5	17	w.	H. S. Sutton
Bancroft	Putnam	574	25	^{a}32.9	−1.5	72^{a}	18	−3	14	48	3.02	−1.38	0.78	3.5	10	18	0	13	ne.	R. E. Dent
Bluefield ^{c}	Mercer	2,555	34	35.0	+0.5	64	18	4	14	47	2.38	−0.84	0.51	1.8	18	8	4	14	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	14	...	...	...	...	...	...	...	4.01	+0.23	1.10	...	5	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	26	35.8	−2.7	74	18	2	14	48	2.90	−1.06	0.70	1.5	11	7	0	24	...	R. O. Fields
Clay	Clay	706	13	...	...	...	...	...	...	...	2.35	−1.30	0.56	4.9	21	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	3	...	...	...	...	...	...	...	2.53	...	0.69	...	9	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	13	...	...	...	...	...	...	...	2.60	−1.20	0.48	...	15	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	13	...	...	...	...	...	...	...	2.76	−1.09	0.64	...	15	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	2	...	...	...	...	...	...	...	3.10	...	0.67	...	15	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	13	...	...	...	...	...	...	...	2.62	...	0.85	...	14	...	...	...	...	U. S. Engineer Office
Gary	McDowell	1,426	13	33.8	...	72	18	8	8	41	2.49	−1.57	0.55	T.	11	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	32	31.3	−2.9	60	25	6	14	37	2.06	−1.15	0.26	...	20	13	3	15	...	Mrs. M. L. McClung
Huntington	Cabell	538	32	35.2	+2.4	74	18†	−1	14	44	3.11	−0.49	0.75	3.5	14	5	3	23	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	10	...	...	...	...	...	...	...	2.54	...	0.84	...	11	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	13	...	...	...	...	...	...	...	3.46	−1.64	0.66	10.4	18	...	...	...	...	Cabin Creek Con. Coal Co
Kermit	Mingo	579	3	...	...	...	...	...	...	...	3.59	...	1.30	5.5	12	...	...	...	...	E. B. Kirk
Lewisburg	Greenbrier	2,250	29	32.1	+0.2	65	18	1	14	34	2.77	−0.76	0.59	5.0	10	9	7	15	nw.	Geo. T. Argabrite
Logan	Logan	700	26	...	...	...	...	...	...	...	3.43	−1.35	1.02	...	10	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	30	26.0	−1.3	58	18	−2	14	30	4.38	+0.30	0.92	5.0	12	4	12	15	n.	S. L. Brown
Organ Cave	Greenbrier	...	3	...	...	...	...	...	...	...	1.53	...	0.25	7.5	10	7	3	21	w.	J. J. Hedrick
Point Pleasant	Mason	595	56	30.8	−2.8	70	18†	1	14	41	2.95	−0.93	0.84	5.0	9	11	1	19	ne.	Miss Grace E. Henson
Powellton	Fayette	904	35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	6	32.2	...	73	19	1	8	43	3.13	...	0.60	5.0	11	10	0	21	nw.	Lockmaster
Robertsburg	Putnam	570	29	32.3	−1.1	75	18	−7	14	52	2.63	−1.37	0.60	3.5	13	11	0	20	...	M. Frazier
Ryan †	Roane	700	26	30.7	−1.6	70	18†	−13	14	45	2.85	−1.37	0.94	4.8	17	3	8	20	...	Wm. E. Ryan
Sharples	Logan	...	9	...	...	...	...	...	...	...	3.01	...	0.93	2.0	7	...	...	...	...	R. W. Howard
Spencer	Roane	789	25	32.5	−1.1	72	18	−10	14	51	2.80	−1.60	0.58	3.0	10	0	11	20	...	A. M. McKown
Sutton	Braxton	850	23	33.4	−0.2	73	18†	−7	14	38	3.79	−1.23	0.85	15.0	16	15	0	16	...	C. B. Eakle
Union	Monroe	2,250	25	^{d}34.7	+2.1	68^{d}	18†	3^{d}	14	41^{d}	1.70	−1.91	0.40	2.0	10	8^{c}	3^{c}	17^{c}	...	W. M. H. Young
Wayne	Wayne	598	2	...	...	...	...	...	...	...	3.41	...	0.88	1.7	14	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	19	^{a}30.7	−1.2	70^{a}	17	2	13	40^{a}	2.00	−0.58	0.50	...	8	17	1	13	...	H. E. Green
Williamson	Mingo	673	29	^{a}37.3	+1.4	70^{a}	18	11	8	31^{a}	4.16	−0.16	0.89	8.0	18	9	0	22	...	A. J. Maynard
State averages and	extremes	...	...	31.4	−0.9	75	18†	−19	14	61	2.92	−0.96	1.50	6.1	12	7	5	18	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means.

† Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for January, 1929

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac	.11	1.09	.11	....	....	T.	.29	....	....	.17	1.17	.04	.22	.19	....	....	....	.41	1.69	.62	....	.12	.63	.04	.91	.27	...	.19	T	T.	.11	7.48
Brandywine	do	.15	T.	....	....	*	.25	....	....	....	.75	....	....	T.	....	....	....	....	.	T	..	T.	T.	.05	*	.40	....	....	T	....	....	...	1.69
Harpers Ferry‖	do	.25	.02	..	....	....	.62	....	....	....	.65	....	....	....	....	....	....	.04	..	.03	....	....	...	.10	....	.35	T.	...	.26	...	...	...	2.21
Martinsburg‖	do	.40	.22	....	....	....	.65	....	....	....	.60	....	....	...	T.	....	....	.05	.	.05	...	...	....	.20	....	.15	....	..	.69	...	...	..	2.47
Moorefield	do	.20	T.	....	....	....	.05	...	....	....	.60	...	....	...	....	....	....	....	.	..	....	....	.10	...	....	.51	....	....	..	...	....	.12	1.61
Perry	do	.16	....	....	....	.31	....	....	....	....	1.	....	....	....	....	....	T.	....	.02	.08	....	....	.03	.01	.05	.59	...	...	.01	...	...	.65	1.6[illegible]
Piedmont	do	.69	....	....	..	T.	.05	...	....	...	.44	....	T.	.02	....	T	....	T.	.09	09	....	..	.44	T.	T.	.74	...	..	T.	....	...	.65	2.[illegible]1
Romney‖	do	.32	....	.	....	....	....	..	....	....	.60	.	...	....	..	....	....	..	..	....	....	....	....	....	....	.15	..	..	....	..	...	....	1.27
Stony River Dam	do	.26	..	....	....	....	....	.08	....	....	.67	.20	.04	.16	....	.05	....	....	.19	.57	....	...	....	.51	....	.08	.12	...	.04	.21	..	....	3.71
Upper Tract	do	....	....	....	....	....	.15	..	...	..	.	....	T.	...	....	....	...	....	T.	..	....	....	T.	T	T.	....	..	....	...	....	...	T	+++
Wardensville‖	do	....	....	....	....	....	....	....	....	....	.50	....	..	....	....	....	....	....	....	....	..	....	....	.40	....	....	...	....	T.	....	....	....	....
Northern Division																																	
Aberdeen	Monongahela	.66	T.	....	....	T.	.19	T.	....		.70	T.	.02	.18	....	.11	....	....	.02	.23	....	..	.16	.03	T.	.24	....	...	.02	T.	.01	.08	2.35
Alma (near)	Ohio	.20	....	....	..	.12	.30	T.	..	...	.51	.	T.	.10	....	.13	...	...	.69	.20	....	....	.40	.11	.01	.45	...	T.	.01	T.	T	.05	2.[illegible]6
Bens Run	do	....	....	....	....	....	.61	....	....	....	.42	...	..	.11	....	.18	....	.05	.10	.32	...	..	.40	....	.30	.45	....	....	.03	...	..	.15	3.12
Brownsville	Monongahela	.38	..	....	...	T	.18	....	....	....	.66	T.	.03	.09	....	.06	...	T.	.09	.21	....	T.	.14	.04	.05	.31	...	..	T.	...	T.	.09	2.31
Bruceton Mills	do	.35	.02	....	....	....	.35	.03	....	....	.45	...	.03	.45	....	.15	T.	T.	.28	.35	....	..	.55	.15	T.	.48	...	.63	.10	T.	.03	.03	4.23
Buckhannon	do	.08	T.	..	....	...	T.	....	....	....	.90	T.	....	.16	...	..	...	...	.22	.33	..	T.	.19	...	.12	.49	...	T.	.03	...	.10	...	2.53
Cairo	Little Kanawha	.15	.05	....	....	.09	.10	T.	....	.26	.11	T.	T.	.25	....	.12	T.	T.	.22	.52	T.	....	.30	.09	.12	.50	....	T.	.01	T.	.01	.66	2.82
Clarksburg‖	Monongahela	.21	.08	....	....	....	.29	....	....	....	.13	.05	....	.04	.07	.10	....	....	....	.56	....	....	....	.30	...	.25	.08	....	T.	T.	T.	.01	2.36
Cortland‖	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Crawford‖	Little Kanawha	.31	T.		....	....	T.	....	....	....	.83	T.	...	.11	....	.05	....	.08	....	.27	....	.17	....	.39	.04		...	T.	.02	T.	.02	.62	2.31
Creston‖	Monongahela	.27	T.	T.	....	....	.42	T.	....	....	.60	T.	.05	.03	.04	.08	T.	....	....	.70	....	....	....	.41	T.	.34	T.	....	.63	T.	T.	T.	2.87
Dam 10, Mon. R.‖	Ohio	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	...	...	....	...	....	....	....	....	......
Dam 12, O. R.‖	do	.42	.11	....	...	....	1.18	T.	....	....	.29	.02	T.	.03	..	.17	T	.17	T.	.35	....	....	....	.75	....	.39	.16	....	T.	T.	T.	T.	3.98
Dam 13, O. R.‖	Monongahela	....	....	.01	.	....	1.16	.01	....	....	....	.04	.02	.05	.18	..	....	.12	T.	.32	....	....	....	.68	....	.40	.13	....	.06	T.	.03	....	3.21
Dam 15, Mon. R.‖	do	.20	.12	....	....	....	.32	1.	....	....	.31	....	.06	.18	.09	.07	....	.06	..	.34	....	....	....	.58	....	.24	.18	....	.02	T.	...	...	2.77
Davis	do	.45	.15	...	....	....	.07	....	.22	....	.81	.31	.12	.50	.25	T.	.17	.02	.08	.55	....	....	....	.60	....	.47	.06	....	.04	.16	.17	T.	4.98
Elizabeth (D'm 3 L K)	Little Kanawha	.27	..	....	....	..	.54	....	..	....	.42	...	....	.21	.07	....	...	.16	...	.60	....	....	....	.54	.07	.58	...	....	.07	...	...	.07	3.20
Elkins***	Monongahela	.26	.05	....	....	T.	.15	T.	....	.54	.45	.01	.02	.15	....	.14	T.	.04	.24	.16	....	.01	.07	.13	.10	.35	T.	.05	.12	T.	.02	.14	3.21
Evenwood	do	....	....	....	....	....	..	....	...	...	..	...	....	....	...	...	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Fairmont‖	do	.27	.02	T	....	..	.41	T.	T.	....	.35	.02	.02	.16	.02	.07	.07	.08	T.	.35	....	....	....	.50	....	.29	.13	....	.02	T	T.	....	2.78
Glenville‖	Little Kanawha	.26	.08	....	....	..	.32	.06	...	....	.04	.06	....	.26	.08	.06	.04	...	.09	.37	....	....	....	.34	.03	.24	...	....	...	T.	....	.06	2.99
Grafton‖	Monongahela	....	...	....	....	...	....	...	....	....	.25	....	.16	....	....	....	....	....	....	.10	...	....	.18	....	....	.35	...	....	.11	....	....	.07	1.22
Horner	do	.27	...	....	....	....	....	....	.55	..	.60	....	.70	...	....	.50	....	....	.25	.18	...	.35	....	....	....	...	....	....	....	....	....	..	3.40
Horton	do	.55	.04	....	....	T.	.19	...	...	....	1.66	....	....	.38	....	.09	....	....	.15	.18	..	T.	.05	.10	.18	.38	....	....	.21	....	.35	.43	4.12
Janelew (near)	do	.45	...	....	....	....	....	....	...	....	.25	....	....	.15	....	.10	....	....	....	....	...	....	.15	....	..	.10	....	....	....	....	...	.15	1.35
Lost Creek	do	.35	T.	..	....	..	.27	T.	...	....	.36	....	T.	.15	....	.03	....	....	.05	.33	T.	....	.23	.15	.02	.45	....	....	T.	....	T.	.07	2.42
Mannington	do	.27	.02	...	....	....	.60	.01	...	....	.40	T.	.03	.15	....	.12	....	.05	.16	.59	....	....	.64	.29	.01	.47	....	....	.02	T.	T.	.04	3.67
Morgantown	do	.25	T.	....	....	T.	.35	T.	....	....	.26	....	T.	.16	....	.08	....	.20	.15	.16	....	....	.60	.11	T.	.40	...	....	.04	....	....	.07	2.83
ew Cumberland‖	Ohio	.55	.11	....	....	....	.47	.02	....	....	.15	....	....	.03	.02	.25	....	.08	.06	.31	.02	....	....	.78	T.	....	....	...	.03	....	.02	...	2.90
ew Martinsville	do	.30	....	T.	....	.70	T.	T.	....	....	.45	....	T.	.12	....	.18	....	....	.10	.45	....	....	.60	..	....	.85	....	...	T.	....	T.	.67	3.82
Parkersburg***	do	.18	.08	....	....	.09	.10	T.	....	.26	.11	T.	T.	.20	....	.18	T.	.01	.38	T.	.01	....	.31	.03	.11	.35	....	.64	..	T.	.02	.11	2.57
arsons	Monongahela	....	.25	....	....	T.	.15	....	....	....	.91	....	T.	.28	....	.07	....	....	.53	....	....	....	.52	....	*	.41	....	T.	.14	....	T.	.21	3.47
arsons No. 2	do	.36	.05	....	....	....	.09	T.	....	....	.76	T	.02	.10	T.	.07	....	....	.02	.23	..	....	.28	.17	T.	.32	....	....	.06	T.	T.	.08	2.59
hilippi	do	.45	T.	....	....	....	.29	T.	....	....	.60	.10	...	T.	T.	T.	T.	.20	....	.45	....	....	....	....	....	.38	T.	...	T.	T.	T.	T	2.47
ickens	do	.60	.32	....	....	....	.32	....	....	....	1.50	....	.16	.45	....	.08	....	....	.92	.55	....	.08	.07	.25	.08	.45	....	.07	.28	.07	.14	.28	6.67
oanoke	do	.54	T.	....	....	....	.01	....	....	....	.67	.01	.01	.18	....	.15	....	....	T.	.35	....	T.	.17	.07	.05	.29	....	....	.03	....	T.	.11	2.44
owlesburg‖	do	.20	.14	.02	....	....	.20	....	....	....	.49	.20	.04	.09	.04	....	.14	.02	....	.51	....	....	....	.68	....	.34	.09	....	.14	.04	....	....	3.38
aint Marys‖	Ohio	.20	.03	....	....	....	.60	....	....	....	.35	.03	....	.20	....	.18	....	.05	....	.41	....	....	....	.62	....	.40	....	....	.18	....	.01	.05	3.31
rra Alta	Monongahela	.97	T.	....	....	.23	.21	T.	....	....	.61	.07	.01	.10	..	.10	....	T.	.07	.46	....	....	.29	.42	T.	.50	....	....	.11	T.	T.	.06	3.98
alley Chapel	do	.35	....	....	....	...	T	....	....	....	.60	....	....	.28	....	....	....	.02	.05	.26	....	....	.18	.02	....	.39	....	....	T.	T.	T.	T	2.41
anoalia	do	.19	....	....	....	....	.06	....	....	.31	.45	....	T.	.25	....	.18	....	....	....	....	....	....	....	....	....	.57	..	....	.12	....	....	.16	2.27
ellsburg	Ohio	.03	...	....	....	....	.78	....	....	....	.26	....	....	....	....	.37	....	.15	..	.25	....	....	.35	.25	....	.55	....	....	T.	....	....	....	3.[illegible]9
est Milford	Monongahela	....	....	....	....	....	.70	....	....	....	.75	....	....	....	....	....	....	....	32	....	....	....	....	....	....	1.10	....	....	....	....	....	....	2.87
eston	do	.42	.20	....	....	....	.28	....	....	....	.70	....	....	T.	T.	T.	T.	.10	..	.33	.02	....	....	.22	....	.32	.20	....	....	....	T.	T.	2.79
heeling‖	Ohio	.35	05	T.	T	....	1.18	.01	T.	....	.29	.04	T.	.04	....	.20	....	.12	T.	.36	....	....	....	.69	....	.37	.09	....	.01	T.	T.	.02	3.85
oodlands‖	do	.25	.09	....	....	....	1.09	.02	....	....	.35	.06	.03	.25	....	.20	....	.09	.02	.42	.01	....	....	.75	....	.40	.12	....	.04	....	.04	.03	4.29
Southern Division																																	
hovale	Great Kanawha	.42	T.	....	....	.10	.23	T.	....	....	.81	T.	T.	T	....	.03	....	...	.24	.15	....	.05	.12	.12	.15	.70	..	.03	.03	....	....	.10	3.28
ncott ‖	do	.54	T.	....	....	....	.15	...	....	....	.78	....	...	.14	..	.07	....	...	....	.59	....	....	.10	.30	..	.52	...	....	.03	....	....	T.	3.02
ield	do	....	.02	.13	..	.05	....	...	....	....	.20	...	.02	....	.01	.05	.41	.04	.04	.37	....	.20	.16	.05	.51	.03	....	....	....	....	.01	.08	2.38
nden-on-Gauley‖	do	..	T	T.	....	.20	T	T.	....	.83	T.	...	....	T	T	....	....	..	1.10	....	....	...	..	.88	T	1.00	T.	....	....	T.	....	..	4.01
arleston ‖	do	.20	.10	....	....	...	.26	...	....	....	.70	...	..	...	.08	....	....	..	.10	.36	....	....	.20	.34	....	.44	.12	....	....	..	..	....	2.90
v'ls	do	.0[illegible]	.06	...	...	.02	.01	...	....	....	.56	.05	.01	.01	.07	...	.06	.09	.15	.22	....	....	.18	.41	.01	.28	.08	....	.01	.01	....	.01	2.55
m 6 G K.‖	do	.10		...	....	....	.25	...	....	....	.69	...	...	...	....	....	....		.05	.38	....	....	.15	.40	....	.48	.03	....	....	....	....	....	2.53
m 19 O R.‖	Ohio	.26	.06	.02	....	....	.24	.0[illegible]	....	....	.41	.02	T.	.02	....	.06	....	T.	.01	.46	....	....	....	.42	....	.48	.05	....	T.	....	T.	.04	2.60
m 20 O. R.‖	do	.19	.01	....	....	...	.16	..	....	....	.56	....	.01	.04	T.	.04	T	.02	.01	.54	....	....	....	.44	....	.64	.04	....	.01	....	....	.02	2.76
m 25 O. R.‖	do	.17	T.	...	..	..	.25	....	....	...	.55	.03	....	.13	.13	....	....	.03	.01	.67	....	....	.02	.40	T.	.57	.02	....	.05	....	....	.07	3.10
m 26 O. R ‖	do	.20	.05	....	...	..	.26	...	....	...	..	.05	....	.02	.01	.05	T.	.05	....	.85	....	....	.05	.25	....	.65	.10	....	.05	....	....	....	2.62
ry‖	Big Sandy	.29	T	T.	..	....	.15	T.	....	....	.17	....	..	...	...	....	.30	....	.05	.55	....	....	.17	.21	.11	.40	....	....	.06	....	....	T.	2.49
ton ‖	do	.26	.05	.01	..	....	.25	.01	....	....	.20	...	.01	...	.01	...	05	02	.12	.16	....	..	.12	.17	.08	.45	.04	....	.01	....	.01	.01	2.06
ntington ‖	Ohio	.1[illegible]	05	..	..	.20	...	...	....	T.	.75	....	...	.04	....	.10	...	.10	.18	.55	....	....	.41	.10	.28	.40	..	T.	T.	....	....	.10	3.41
nawha Falls‖	Great Kanawha	.14	.14	...	....	....	.1[illegible]	....	....	...	.84	....	...	...	...	...	.12	....	....	.32	....	....	.18	.42	....	.19	.06	....	.03	....	....	....	2.54
rford‖	do	.15	.25	.27	...	....	T.	.15	....	...	.60	.05	01	....	.20	....	.20	....	.02	.44	....	....	.15	.42	.01	.28	.09	....	.03	.04	T.	T.	3.46
mit‖	Big Sandy		.1[illegible]		.30	...	...	...	....	....	1.30	....	...	...	.10	.10	....	..	....	.70	....	....	.20	.12	.22	.10	....	....	.05	....	....	.30	3.59
isburg	Great Kanawha	.44	T.	....	....	.02	..	...	....	...	.31	....	..	T.	...	T.	T	....	.20	.04	....	.16	.35	..	.59	.46	....	T.	T.	....	T.	.20	2.77
an	Guyandotte	.25	.09	....	...	..	.2[illegible]	...	....	...	1.02	.	...	...	.04	T	T	...	....	.72	....	....	.28	.25	.10	.43	T.	....	....	....	....	....	3.43
linton	Great Kanawha	.62	T.	....	....	.12	.54	...	....	....	.62	...	T.	T.	....	.07	T.	.14	T.	.62	....	.12	.38	....	.92	.16	....	T.	T.	....	T.	.07	4.38
an Cave	do	.20	....	....	....	.08	....	....	....	....	....	.15	....	....	....	....	.16	....	....	....	....	.10	....	....	.25	.20	....	....	....	.07	.07	.25	1.53
t Pleasant ‖	Ohio	.12	....	....	....	....	.20	...	....	...	.30	....	T.	.30	....	T.	T.	....	....	.84	....	....	....	.41	T.	.48	.10	T.	.20	T.	T.	T.	2.95
elit n	Great Kanawha	.	....	....	....	....	....	....	....	....	...	....	...	...	...	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
enswood (Dam 22	Ohio	.30	T.	...	....	....	.25	....	....	...	.40	.03	...	.36	T.	.09	...	....	.02	.60	....	....	....	.60	T.	.38	T.	....	.10	T.	....	T.	3.13
ertsburg	Great Kanawha	.20	....	.	....	....	.26	....	....	...	.60	.	....	.03	.14	.	....	.04	.02	.39	....	....	.05	.28	....	.51	....	....	.08	....	....	.03	2.63
n	do	.30	.04	....	....	05	.03	.	....	...	.94	T.	.01	.15	....	.10	....	...	04	.32	....	.06	.15	.05	.10	.36	....	T.	.05	T.	T.	.10	2.85
rples	Coal River	.35	...	...	....	...	T.	...	....	...	.93	....	...	.18	.	.20	....	T.	T.	.45	....	....	....	....	.62	.28	....	....	...	....	....	T.	3.01
eer‖	Great Kanawha	.22	.07	T.	...	T.	.26	.	....	...	.58	....	T.	.18	.04	...	....	.27	....	.54	....	....	T.	.34	T.	.30	....	....	T.	....	....	T.	2.80
on	Gauley	.40	.08	....	...	....	.16	....	....	...	.85	....	.08	.28	....	...	....	....	.30	.35	....	.10	.10	.15	.15	.30	....	....	.14	....	.14	.21	3.79
on	do	.32		...	...	...	...	...	....	...	..	....	....	....	...	...	.40	.05	....	.15	....	.05	.20	....	.20	.18	....	.01	....	....	....	.14	1.70
ne	Big Sandy	.37	.06	T.	...	T.	.15	.02	....	...	.88	....	....	....	.07	.09	.01	....	T.	.63	....	....	.14	.18	.02	.67	....	T.	.12	....	....	T.	3.41
e Sulpr. Spgs ‖	Great Kanawha	....	T.	....	....	.25	T.	...	...	.30	T.	....	....	....	....	....	.10	.10	.25	....	....	.20	.30	....	.50	....	....	....	T.	....	....	T	2.00
amson ‖	Big Sandy	.45	.12	.26	....	....	.34	.01	....	....	.89	....	....	....	.18	.03	.26	.02	.14	.67	....	....	.15	.12	.12	.31	.03	....	.06	....	....	T.	4.16

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for January, 1929

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	51	42	35	36	35	53	26	17	42	47	38	38	25	21	41	30	30	63	63	44	50	43	47	38	57	32	32	32	20	20	22	37.8
	Minimum	28	16	7	26	15	17	15	-2	17	33	27	13	14	-8	7	-5	28	28	39	30	20	24	29	27	26	13	6	20	7	11	13	17.4
Brandywine	Maximum	42	40	35	34	35	32	26	26	42	42	42	35	25	32	40	40	47	66	55	51	45	43	45	42	40	35	35	29	27	27	35	38.4
	Minimum	17	14	10	18	20	23	12	1	18	27	24	17	19	2	22	23	29	40	39	26	20	24	32	28	33	15	10	27	10	15	10	20.2
Martinsburg§	Maximum	45	33	36	41	48	45	35	45	45	60	40	35	38	35	47	35	37	67	59	59	41	32	50	32	40	36	36	36	27	30	..	41.5
	Minimum	27	31	21	21	17	21	22	9	10	29	25	20	20	4	5	13	14	30	34	27	25	22	22	25	27	20	16	22	16	17	14	20.2
Moorfield	Maximum	41	40	40	48	44	43	36	32	44	52	46	41	36	26	46	40	47	70	70	59	47	42	55	48	39	43	37	41	33	35	33	43.7
	Minimum	37	27	14	22	27	30	20	3	21	34	26	19	22	2	9	11	28	30	50	28	22	26	29	32	29	20	15	28	15	19	14	22.9
Piedmont	Maximum	34	37	37	40	32	40	27	22	42	50	40	39	31	18	33	24	40	46	64	44	40	39	41	36	34	32	30	30	26	24	27	35.5
	Minimum	26	22	14	21	20	23	16	6	22	34	33	19	11	1	15	11	24	33	42	30	25	25	29	26	26	18	14	24	15	17	20	21.4
Romney §	Maximum	45	30	38	44	44	32	32	40	48	54	44	37	30	31	40	32	43	68	54	49	57	49	42	40	40	37	35	36	30	28	..	45.3
	Minimum	21	25	16	20	22	26	23	7	10	34	27	18	20	2	5	10	15	29	39	27	24	25	29	29	26	19	14	25	15	15	17	20.5
Upper Tract	Maximum	50	40	40	43	46	42	40	40	30	45	54	38	32	40	42	48	49	55	58	60	64	53	51	45	..	49	49	32	28	28	28	44.0
	Minimum	30	23	13	18	21	16	22	22	3	18	25	..	18	0	20	18	16	20	21	22	24	27	28	30	..	12	16	26	13	14	11	18.9
Wardensville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Northern Division																																	
Bens Run	Maximum	52	41	37	42	54	54	28	29	42	46	40	39	29	19	30	34	55	66	66	42	42	41	52	40	56	32	35	32	25	25	30	40.5
	Minimum	31	24	15	29	24	24	17	5	23	32	31	19	9	5	19	5	32	42	38	30	24	27	32	30	30	12	19	23	15	20	21	22.8
Buckhannon	Maximum	51	34	36	40	51	55	31	22	38	40	45	40	24	26	40	38	59	68	68	44	50	45	54	46	59	36	37	38	27	24	30	41.8
	Minimum	34	15	12	28	22	22	12	6	22	22	21	18	15	-7	24	9	34	58	44	26	24	29	35	32	35	19	18	25	13	17	21	22.7
Cairo	Maximum	54	32	36	45	53	54	28	32	42	46	40	37	30	23	37	35	55	70	71	45	46	39	53	44	58	34	36	35	28	26	32	41.8
	Minimum	32	18	17	27	27	23	12	0	25	32	23	19	11	-13	20	-1	33	40	30	27	19	25	31	31	33	15	14	19	15	20	20	20.8
Clarksburg §	Maximum	52	26	38	47	59	33	28	32	53	48	42	29	29	44	32	36	60	70	47	42	44	57	45	51	59	34	36	30	25	24	30	41.4
	Minimum	21	23	13	17	20	23	21	3	3	20	31	19	18	-9	-2	5	14	35	46	28	21	27	29	30	30	18	16	22	15	15	19	19.1
Creston	Maximum	53	44	38	46	58	55	38	31	45	50	41	42	31	27	42	36	63	71	68	57	49	44	57	43	58	42	35	36	29	26	32	44.7
	Minimum	32	22	10	19	18	22	21	0	14	35	30	18	13	-10	22	3	31	42	40	28	21	31	30	31	34	14	14	23	12	19	19	21.2
Elkins	Maximum	50	32	38	42	57	57	25	33	46	54	41	28	27	34	47	43	59	67	51	50	54	50	58	42	60	29	42	33	20	20	27	42.5
	Minimum	32	15	10	22	22	19	7	4	29	30	25	15	-2	-10	16	13	41	50	34	27	23	32	32	31	21	14	11	16	9	14	15	20.0
Fairmont§	Maximum	51	28	40	47	56	31	26	32	51	47	40	30	25	41	38	41	58	69	46	48	41	54	51	49	62	31	38	29	25	25	23	41.1
	Minimum	23	23	10	12	21	24	21	4	4	25	31	17	12	-5	-3	6	9	40	45	31	23	23	27	28	28	17	17	21	14	15	19	18.8
Glenville	Maximum	53	45	40	50	60	60	32	27	46	53	44	42	38	35	44	59	65	74	73	45	51	45	57	47	63	39	34	35	28	26	32	46.5
	Minimum	30	23	11	20	17	21	19	0	12	34	30	18	29	-10	20	2	30	45	41	22	20	27	30	30	35	16	14	23	13	18	16	21.2
Grafton	Maximum	35	35	45	40	32	25	21	45	45	40	42	27	25	26	24	35	50	52	42	42	42	37	50	45	35	34	34	21	30	27	..	36.1
	Minimum	25	10	25	20	27	20	3	10	20	22	20	18	-10	0	20	3	10	30	42	26	19	22	25	29	12	12	22	11	15	19	14	17.5
Lost Creek	Maximum	51	40	37	47	59	59	27	25	42	52	40	38	26	25	44	34	62	69	69	44	47	40	56	44	58	38	34	34	25	22	29	42.5
	Minimum	30	21	10	24	15	21	20	0	21	34	30	17	12	-16	20	0	32	48	40	25	18	28	21	29	38	17	12	23	13	17	17	20.5
Mannington	Maximum	51	40	36	41	57	57	27	22	42	50	49	38	28	19	44	36	57	67	68	43	44	42	48	40	59	37	38	37	25	23	30	41.8
	Minimum	29	22	9	30	18	22	17	4	18	34	31	17	10	-15	19	-3	33	39	39	26	19	24	32	28	34	17	14	23	15	17	17	20.6
Morgantown	Maximum	52	40	36	39	46	59	28	21	43	50	38	37	27	17	44	31	59	69	70	43	39	44	55	40	58	39	37	40	23	21	29	41.2
	Minimum	37	19	15	29	27	20	13	2	19	33	29	15	7	-6	17	3	31	51	35	32	22	24	32	25	33	15	15	22	12	16	16	21.4
New Cumberland§	Maximum	53	27	34	53	52	37	18	32	46	46	38	24	22	20	23	40	59	70	10	37	57	47	38	45	53	30	28	34	20	26	..	37.6
	Minimum	22	17	14	14	25	24	16	0	1	25	28	15	14	-2	2	-3	-2	39	35	24	17	17	23	22	23	14	12	16	14	13	15	15.9
New Martinsville	Maximum	52	42	36	46	55	55	30	25	42	47	40	40	30	25	29	35	55	67	70	44	44	42	50	40	57	35	37	37	27	25	30	41.6
	Minimum	36	23	13	31	21	22	16	5	21	35	31	18	8	-7	17	4	32	43	37	31	23	28	32	29	60	17	17	23	15	19	19	22.2
Parkersburg	Maximum	51	32	36	44	53	54	28	32	42	46	40	29	30	25	27	35	57	72	53	42	43	49	49	44	57	33	35	30	25	26	28	40.4
	Minimum	32	18	17	28	27	23	12	6	27	32	23	19	4	-4	12	10	35	56	32	28	26	30	32	32	23	18	20	16	14	20	19	22.0
Parsons	Maximum	49	36	40	45	60	46	27	25	44	53	41	39	26	26	47	40	57	68	68	49	50	43	53	40	63	31	37	36	22	21	28	42.4
	Minimum	30	19	11	26	21	20	13	3	22	33	36	16	7	-10	20	9	36	35	40	29	22	30	32	30	30	16	14	21	11	15	19	21.0
Pickens	Maximum	59	36	33	42	51	53	23	32	37	48	44	31	25	41	41	45	57	56	62	48	47	51	52	45	55	42	41	33	24	27	25	42.0
	Minimum	16	10	0	20	35	10	5	-7	10	25	20	7	-1	-19	22	8	35	42	32	23	14	27	24	22	19	7	10	10	3	5	7	14.2
Terra Alta	Maximum	47	34	35	38	34	34	17	15	36	49	34	34	19	24	21	29	50	63	63	34	43	36	35	34	43	33	34	30	17	15	28	33.8
	Minimum	34	15	8	25	23	15	12	-2	15	30	25	10	6	-9	15	0	25	45	34	30	20	21	27	24	25	11	9	17	6	10	13	17.4
Wellsburg	Maximum	57	39	34	35	45	52	25	21	41	46	46	37	27	17	23	42	50	65	75	39	40	36	46	35	54	30	36	35	26	22	24	38.4
	Minimum	29	18	11	28	18	21	13	3	21	33	25	15	8	-7	15	-9	29	40	35	26	8	18	30	24	24	16	11	21	15	18	12	18.4
Weston	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Wheeling§	Maximum	54	27	35	40	54	28	25	32	47	48	40	32	28	22	31	45	60	70	42	45	40	45	45	50	35	35	38	27	23	28	32	39.5
	Minimum	[illegible]	20	12	25	20	20	17	-1	1	22	-1	10	15	-8	0	-4	0	40	33	30	26	22	24	21	24	10	12	15	8	10	9	14.5
Southern Division																																	
Bluefield	Maximum	..	50	58	43	42	..	28	32	45	44	41	40	..	48	45	49	58	64	63	..	49	48	45	45	44	45	..	43	30	27	33	44.6
	Minimum	..	20	11	23	30	..	19	7	24	39	30	14	..	4	29	32	32	51	45		29	38	39	31	32	28	..	9	14	12	15	25.3
Charleston§	Maximum	56	38	40	50	60	38	40	36	54	54	46	40	34	50	38	44	68	74	54	50	44	64	60	50	64	48	38	34	38	36	32	47.5
	Minimum	25	27	15	15	24	32	25	8	8	22	32	21	21	2	5	25	25	49	45	34	28	30	36	34	36	21	21	23	26	16	22	24.1
Gary §	Maximum	46	26	43	46	44	32	35	30	50	55	43	34	34	50	50	41	65	72	59	49	47	60	48	52	60	29	40	35	18	19	19	42.9
	Minimum	30	26	14	13	20	32	19	8	9	18	32	20	19	9	9	3	37	40	46	32	29	32	42	44	38	19	19	29	17	17	16	21.8
Hinton §	Maximum	52	29	38	46	39	40	34	34	46	35	42	37	28	40	34	37	53	57	41	50	44	47	39	39	60	39	38	22	30	32	32	39.8
	Minimum	23	27	14	14	20	39	20	9	9	18	34	17	18	6	8	26	31	30	41	32	27	28	39	34	33	18	18	22	16	15	19	22.8
Huntington	Maximum	53	52	39	50	64	53	33	32	54	50	43	42	41	37	50	32	66	74	74	73	45	45	65	44	60	44	33	33	32	30	31	47.5
	Minimum	39	25	15	16	20	25	20	7	20	29	32	20	8	-1	8	17	28	31	43	31	28	32	34	33	30	18	22	25	12	20	22	22.8
Lewisburg	Maximum	49	47	35	43	44	43	41	30	41	54	44	40	39	35	38	36	48	65	63	52	37	40	46	40	50	43	36	36	29	26	30	41.9
	Minimum	33	21	9	19	19	21	21	5	14	36	30	15	19	1	15	32	33	34	45	25	23	31	34	30	32	15	17	21	12	13	12	22.3
Marlinton	Maximum	42	32	30	40	38	38	24	22	38	44	34	32	28	28	34	34	30	58	56	42	40	40	40	32	42	32	32	25	22	20	24	35.0
	Minimum	30	14	6	12	14	16	12	0	10	30	26	10	12	-2	8	26	32	34	30	15	18	28	28	25	26	12	10	18	8	10	6	17.1
Point Pleasant	Maximum	59	50	50	45	35	31	40	40	45	45	45	44	35	28	35	36	50	70	70	65	55	50	45	45	40	50	45	43	33	30	30	44.6
	Minimum	33	30	28	18	12	6	12	7	11	20	18	18	11	1	8	15	20	32	39	25	25	33	25	15	11	20	4	8	5	10	8	16.9
Powellton	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Ravenswood	Maximum	53	41	36	45	55	57	27	26	46	47	40	40	30	25	66	37	59	70	73	43	44	44	57	44	57	34	33	35	27	27	32	43.5
	Minimum	33	24	14	20	25	23	20	1	12	36	32	18	8	9	23	2	31	48	41	19	13	23	22	21	23	17	18	23	6	19	22	20.8
Robertsburg§	Maximum	56	50	49	48	58	31	37	30	50	40	41	32	28	45	32	35	[illegible]	[illegible]	54	45	41	65	49	50	70	40	30	30	26	30	32	44.1
	Minimum	54	23	14	16	19	25	23	2	4	20	30	19	19	-7	-1	9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20.5
Ryan	Maximum	50	38	34	45	52	50	27	25	45	55	40	38	26	32	30	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40.9
	Minimum	32	22	10	14	18	20	19	0	12	34	28	16	17	-13	20	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20.5
Spencer §	Maximum	52	27	38	45	55	34	26	32	50	50	42	31	28	41	42	47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42.1
	Minimum	40	22	14	15	28	26	26	2	15	32	29	18	28	-10	18	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22.9
Sutton	Maximum	45	45	38	43	58	58	26	26	47	47	45	45	32	29	30	36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	43.2
	Minimum	35	25	12	19	20	22	22	3	16	36	32	19	20	-7	24	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23.6
Union	Maximum	49	49	37	42	43	..	54	37	46	52	51	40	..	37	42	39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	46.1
	Minimum	34	24	11	17	29	..	19	5	17	41	30	15	..	3	18	32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23.3
White Sulphur Spgs§	Maximum	31	35	50	51	40	34	33	48	53	40	34	34	41	42	36	52	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41.8
	Minimum	25	8	10	15	30	20	6	8	15	30	16	17	2	5	25	33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19.6
Williamson§	Maximum	51	49	40	46	55	32	35	33	52	51	44	38	36	43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45.1
	Minimum	42	29	19	27	44	21	29	11	22	28	35	22	15	12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29.5

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(W BO, Cleveland, 3-7-29—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVII Parkersburg, W. Va., February, 1929 No. 2

GENERAL SUMMARY

February was cold, the average temperature being 30°. It was the coldest February of State record since 1914. The temperature was below the normal for the greater part of the month. The daily plus departures were important for only four or five days. The precipitation averaged practically normal and was well distributed over the State and throughout the month. The snowfall was much above the normal and there was ample snow-cover during the low temperature periods. Sleet was noted at several stations on the 6th, 7th, 9th, 10th, 24th, and 25th, and at Parkersburg on the 19th, but practically no damage resulted. Boating on the Ohio River was impeded by floating ice during the first half of the month. The river was at moderately high stages at the close of the month. The month was favorable for winter grains, but was unfavorable for outdoor work.

TEMPERATURE

The monthly mean for the State, determined from 44 stations, vas 30.0°. The departure from the normal for 36 stations havng ten or more years of record was —2.3°. The temperaure was much below the normal for the first four days, and rom the 9th to the 13th and the 19th to the 24th, with the owest temperatures occurring generally on the 3d and 23d. he temperature was somewhat above the normal on the 6-8th, 6-18th and 26-27th, the highest readings occurring generally n the 19th and 26th.

PRECIPITATION

The average precipitation for the State, determined from 81 ations, was 2.98 inches. The departure from the normal for stations having ten or more years of record was —0.03 ch. The precipitation was heaviest over portions of the uthern and northeastern counties, and generally lightest over e western counties. Most of the precipitation was received the 5-7th, 9-10th, 19th-21st, and 26-28th, the greatest nounts being measured on the 6-7th, 21st, and 26th. Light moderate snow fell at many stations on the 1st and 4-7th eavy snow was general on the 20th-21st, when the amounts nged generally from 8 to 12 inches.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 26th and 28th; Bayard, 28th; Crawd, 6th, 7th, and 28th; Terra Alta, 7th, 9th, and 28th; heeling, 2d, 4th, 5th, 6th, 11th, 13th, 15th, 16th, and 25th.

Sleet: Bayard, 7th; Crawford, 6th and 10th; Davis, 9th; Elkins, 6th and 10th; Glenville, 6th; Huntington, 5th; Marlinton, 6th; Parkersburg, 6th and 19th; Parsons, 6th; Perry, 6th and 7th; Ryan, 25th; Stony River Dam, 28th; Terra Alta, 6th and 7th; Wheeling, 24th.

Thunderstorm: Marlinton, 28th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.15	92	71	73	155.5	52	3,888	5.8	24	sw.	26
Columbus, Ohio	30.14	90	74	77	118.7	40	5,337	7.9	26	w.	27
Elkins	30.15	87	67	77	95.0	32	3,236	4.8	19	w.	19
Lexington, Ky	30.16	89	73	....	128.9	43	6,777	10.1	36	sw.	26
Parkersburg	30.15	81	62	67	96.9	32	2,998	4.5	20	se.	26
Pittsburgh, Pa	30.14	79	70	70	82.1	28	5,977	8.9	44	se.	26
Wytheville, Va	30.08	79	64	71	136.0	45	3,329	5.8	27	sw.	26

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	38.1	......	......	5.39	......	......	......	......	......	......	......
1892	37.1	72	−12	2.30	......	......	......	......	......	......	......
1893	35.0	71	− 6	4.81	6.70	1.65	......	9	......	......	......
1894	33.4	74	− 5	3.99	7.48	2.05	......	12	......	......	......
1895	22.8	79	−17	1.27	2.44	0.61	......	10	9	7	12
1896	33.4	62	− 5	3.31	6.23	1.50	......	7	10	9	9
1897	36.8	70	3	5.95	8.18	3.00	......	17	7	8	14
1898	32.7	74	−13	1.81	3.38	0.64	......	11	7	7	14
1899	26.1	69	−35	4.32	6.43	2.25	......	9	10	8	10
1900	30.7	83	−11	3.94	5.62	2.31	19.0	14	7	5	16
1901	27.1	62	− 6	0.86	1.66	0.10	10.0	12	5	10	13
1902	26.7	68	−14	3.20	5.65	1.33	4.1	7	8	8	12
1903	35.3	74	−19	5.99	9.59	2.58	8.1	10	6	7	15
1904	29.3	80	−13	2.37	4.55	0.52	8.6	11	10	6	12
1905	25.6	56	−22	2.34	4.65	0.80	8.1	10	12	9	8
1906	32.4	79	−11	1.60	3.34	0.46	8.1	11	8	6	14
1907	31.1	68	−23	2.55	4.83	0.67	8.1	7	15	6	7
1908	30.9	72	−10	3.72	6.26	1.77	11.1	9	9	8	11
1909	40.4	80	− 5	4.16	7.68	1.44	15.8	12	7	8	14
1910	31.5	72	−11	3.18	6.56	0.98	3.4	13	7	8	13
1911	38.7	76	− 6	2.03	3.92	0.40	13.5	8	9	8	11
1912	27.3	70	−17	2.45	5.08	0.72	4.8	7	8	8	12
1913	32.6	80	− 4	2.27	6.15	0.21	6.4	7	10	8	11
1914	28.4	70	−22	3.64	6.96	1.63	4.7	7	13	6	9
1915	38.4	72	− 2	3.07	6.33	0.90	19.7	10	9	7	12
1916	31.4	72	−12	4.30	9.19	1.79	3.6	10	10	5	13
1917	31.0	80	−14	3.29	7.73	1.26	13.2	11	8	6	15
1918	35.4	81	−19	3.12	6.60	0.45	10.1	9	9	7	12
1919	35.2	72	− 2	1.85	3.93	0.35	3.8	9	11	6	11
1920	31.3	69	− 4	2.71	5.49	1.49	3.5	9	11	5	12
1921	37.4	79	−10	2.61	4.90	1.10	9.3	12	7	5	17
1922	38.2	77	−14	2.89	5.57	0.94	10.8	9	8	5	15
1923	30.4	70	−20	3.68	7.38	0.75	6.3	11	8	7	13
1924	31.6	74	−16	3.21	8.18	0.84	7.8	12	7	5	16
1925	39.8	80	− 5	2.49	4.32	0.35	12.2	11	8	6	15
1926	34.9	72	− 3	4.01	8.88	1.20	2.0	8	10	6	12
1927	40.9	79	6	4.49	8.64	2.40	18.1	13	6	5	17
1928	34.6	72	− 3	2.50	6.06	0.40	11.0	15	7	6	15
1929	30.0	70	−15	2.98	5.24	1.43	6.4	11	8	6	15
1891-1929	32.9	83	−35	3.20	9.59	0.10	9.2	10	8	7	13

Climatological Data for February, 1929

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	28	26.8	−0.6	60	26	−9	4	42	5.24	+1.85	1.17	22.0	12	11	3	14	sw.	U. G. Clark
Brandywine	Pendleton	1,586	13	29.2	−4.8	60	19	−3	3	38	2.80	+1.07	0.80	15.0	6	12	1	15	s.	Elmer Keister
Harpers Ferry	Jefferson	244	40	...	...	...	...	...	...	...	3.09	+0.67	1.06	12.5	7	...	...	...	...	J. C. Newcomer
Martinsburg	Berkeley	435	37	^{a}30.3	+0.3	62^{a}	18	6	24	44^{a}	2.59	+0.16	0.87	14.2	8	22	4	2	...	Dr. H. S. Gardner
Moorefield	Hardy	900	33	32.5	+0.2	64	19	4	4	47	2.70	+0.35	1.04	20.0	6	23	1	4	...	M. S. Henkel
Perry	Hardy	...	1	...	...	...	...	...	...	...	2.11	...	0.52	12.2	7	15	8	5	w.	W. R. Paddock
Piedmont	Mineral	1,053	16	29.3	−3.0	56	19	10	4†	37	2.45	−0.21	0.77	11.0	6	11	6	11	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	31	^{a}30.8	−1.4	60^{a}	18	3	4	42^{a}	2.09	−0.09	0.80	10.0	4	5	12	11	...	George E. Bergdoll
Stony River Dam	Grant	3,300	9	...	...	...	...	...	...	...	3.17	...	1.10	21.0	8	2	6	20	w.	A. C. Becker
Upper Tract	Pendleton	1,230	30	31.2	−1.0	62	20	0	4	41	2.92	+1.34	1.30	20.0	4	10	0	18	...	J. M. Mallow
Wardensville	Hardy	1,200	12	^{f}30.8	...	70^{f}	27	−4^{e}	4	53^{i}	2.72	...	1.00	15.5	5	12^{g}	4^{g}	5^{g}	...	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	5	...	...	...	...	...	...	...	2.95	...	0.80	12.0	10	4	10	14	w.	L. Else Bond
Alma (near)	Tyler	...	2	...	...	...	...	...	...	...	2.58	...	0.95	8.5	11	5	10	13	...	D. N. Furbee
Bens Run	Pleasants	652	27	29.8	−2.0	61	26	4	26	33	2.83	−0.36	0.92	10.0	9	11	7	10	...	J. D. Riggs
Brownsville	Lewis	1,032	6	31.2	...	63	27	−5	23	52	3.15	...	1.11	15.0	9	11	3	14	...	George M. Myers
Bruceton Mills	Preston	1,549	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	W. M. Wolf
Buckhannon	Upshur	1,411	32	30.0	−1.5	59	26	2	23	37	3.94	+0.07	1.10	18.0	10	13	4	11	...	H. A. Darnall
Cairo	Ritchie	680	30	28.7	−3.8	56	26	−8	23	44	2.57	−0.91	0.37	8.5	9	8	7	13	...	O. C. Hess
Clarksburg	Harrison	1,015	7	28.0	...	58	17	0	23	43	3.07	...	1.00	14.8	10	6	11	11	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	18	...	...	...	...	...	...	...	2.81	−1.08	1.12	20.0	9	3	16	9	...	G. W. Harmon
Crawford	Lewis	1,107	6	...	...	...	...	...	...	...	2.92	...	0.94	14.5	10	10	6	12	w.	George W. Blair
Creston	Wirt	640	27	30.3	−2.4	60	26†	3	3†	46	3.28	+0.39	0.68	14.2	10	9	0	19	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	8	...	...	...	...	...	...	...	1.77	...	0.72	...	7	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	13	...	...	...	...	...	...	...	2.86	+0.63	0.87	...	9	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	13	...	...	...	...	...	...	...	2.54	+0.22	0.86	...	10	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	8	...	...	...	...	...	...	...	2.42	...	0.78	16.0	9	...	...	...	...	Lockmaster
Davis	Tucker	3,093	20	...	...	...	...	...	...	...	3.14	−0.99	0.75	18.0	11	5	7	16	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt ††	615	17	...	...	...	...	...	...	...	3.25	+0.59	0.98	13.0	7	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	28	28.6	−3.0	59	26	−1	4	37	2.58	−0.50	0.92	12.9	15	3	6	19	w.	U. S. Weather Bureau
Fairmont	Marion	883	23	29.8	−2.3	56	27	4	20	39	2.85	−0.28	0.88	14.0	9	9	5	14	w.	J. C. Robinson
Glenville	Gilmer	738	35	30.7	−2.0	61	26†	−7	23	52	3.94	+0.21	1.15	13.5	11	11	5	12	w.	Howard R. Brannon
Grafton	Taylor	1,000	36	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Curtis Boice
Horner	Lewis	1,044	6	...	...	...	...	...	...	...	4.02	...	0.70	18.0	...	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	4	...	...	...	...	...	...	...	2.86	...	0.77	27.3	7	8	4	16	w.	J. W. White
Janelew (near)	Lewis	1,020	6	30.9	...	61	26	−3	23	48	2.77	...	0.92	10.0	6	9	8	11	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	31	29.0	−2.0	58	27	−5	23	49	3.04	−0.02	0.81	12.2	8	6	6	16	w.	Allen Smith
Mannington	Marion	985	26	28.6	−2.4	55	26	−5	20	47	2.92	+0.13	1.04	12.4	11	8	5	15	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	36	30.2	−1.1	59	26†	1	20	26	2.55	−0.50	0.85	12.5	7	0	5	23	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	31	^{a}26.0	−1.7	59^{a}	26	−4	20	37^{a}	2.92	+0.52	1.10	10.5	13	4	4	20	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	35	30.8	−1.4	60	26	1	20	36	2.50	−0.48	0.90	7.5	6	7	6	15	n.	Wm. Ankrom
Parkersburg	Wood	638	42	30.2	−4.0	62	26	5	23	32	2.69	−0.44	1.00	9.1	11	5	7	16	sw.	U. S. Weather Bureau
Parsons ††	Tucker	1,649	29	29.9	+0.2	60	26	−3	4	43	3.46	+0.04	1.25	12.5	8	8	4	16	...	J. W. Swisher
Parsons No. 2	Tucker	...	3	...	...	...	...	...	...	...	2.42	−1.00	0.65	11.0	8	7	8	13	...	Robert T. Deem
Philippi	Barbour	1,550	32	...	...	...	...	...	...	...	3.22	−0.15	1.20	12.0	9	...	...	...	...	H. F. Brittingham
Pickens ††	Randolph	2,697	26	27.4	−2.6	58	19	−5	23	41	4.24	−0.83	1.05	19.0	10	8	4	16	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	6	...	...	...	...	...	...	...	3.21	...	0.98	13.6	11	7	7	14	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	42	...	...	...	...	...	...	...	2.34	−1.07	0.58	10.0	11	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	20	...	...	...	...	...	...	...	2.87	−0.33	0.78	11.5	9	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	28	26.2	−1.6	59	26	0	20	34	1.66	−2.11	0.51	11.2	14	0	11	17	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	6	31.4	...	59	25†	−5	23	46	2.52	...	0.70	15.0	9	11	11	6	w.	J. C. Campbell
Vandalia	Lewis	1,120	6	...	...	...	...	...	...	...	3.29	...	0.96	18.0	7	...	...	...	...	Creed H. McCue
Wellsburg	Brooke	668	22	27.3	−0.2	59	26†	−8	20	39	1.47	−1.68	0.35	7.5	9	10	5	13	w.	George P. Pfister
West Milford	Harrison	979	4	...	...	...	...	...	...	...	2.81	...	...	12.5	6	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	34	...	...	...	...	...	...	...	3.03	−0.71	1.05	12.0	6	...	...	...	...	Weston State Hospital
Wheeling	Ohio	645	42	27.8	−3.0	55	17	−5	20	45	2.60	+0.08	0.93	8.0	9	7	13	8	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	2	...	...	...	...	...	...	...	2.48	...	0.84	6.0	9	9	6	13	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	3	...	...	...	...	...	...	...	2.16	...	0.82	15.0	8	12	4	12	sw.	H. S. Sutton
Bancroft	Putnam	574	25	29.3	−4.3	58	18	−3	23	55	4.02	+1.11	1.00	22.0	10	15	0	13	ne.	R. E. Dent
Bluefield ^{e}	Mercer	2 558	34	33.0	−0.9	56	19	5	2	38	4.65	+1.60	...	20.0	12	10	1	12	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	26	34.2	−4.2	64	18	6	3†	49	2.92	−0.66	0.64	19.5	10	14	0	14	...	R. O. Fields
Clay	Clay	706	13	...	...	...	...	...	...	...	3.26	−0.05	1.08	18.5	11	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	3	...	...	...	...	...	...	...	2.69	...	0.60	16.0	9	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	13	...	...	...	...	...	...	...	3.05	+0.48	1.20	...	11	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	13	...	...	...	...	...	...	...	2.95	−0.06	0.94	...	10	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	2	...	...	...	...	...	...	...	2.65	...	0.75	9.5	10	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	13	...	...	...	...	...	...	...	2.11	...	0.75	...	10	...	...	...	...	U. S. Engineer Office
Gary	McDowell	1,426	13	31.0	...	64	19	7	2†	48	4.07	+0.42	0.96	10.0	13	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	32	31.7	−2.3	68	19	6	3	47	3.81	+0.76	1.08	14.2	14	8	5	15	...	Mrs M. L. McClung
Huntington	Cabell	538	32	33.4	+0.8	61	26	1	23	43	3.02	−0.11	0.92	16.2	9	7	8	13	w.	H. N. Robinson
Kanawha Falls	Fayette	618	10	...	...	...	...	...	...	...	2.48	...	0.64	...	8	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	13	...	...	...	...	...	...	...	4.24	+1.36	0.90	24.6	17	...	...	...	...	Cabin Creek Con. Coal Co
Kermit	Mingo	579	3	...	...	...	...	...	...	...	3.95	...	1.40	21.0	8	...	...	...	...	E. B. Kirk
Lewisburg	Greenbrier	2,250	29	30.2	+0.2	58	19	−2	3	41	3.55	+0.59	0.98	13.5	7	11	3	14	nw.	Geo. T. Argabrite
Logan	Logan	700	26	...	...	...	...	...	...	...	3.21	−0.69	1.01	...	9	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	30	25.6	−4.0	50	19	−6	3	40	4.26	+0.76	1.11	15.5	6	6	13	9	sw.	S. L. Brown
Organ Cave	Greenbrier	...	3	...	...	...	...	...	...	...	3.61	...	0.96	27.0	11	10	5	12	w.	J. J. Hedrick
Point Pleasant	Mason	595	36	30.4	−3.2	60	26†	2	3	37	3.00	−0.42	1.00	12.0	12	14	1	13	ne.	Miss Grace E. Henson
Powellton ^{i}	Fayette	904	35	36.8	...	61	27	15	21	39	1.87	−1.18	0.50	6.5	6	...	...	...	...	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	6	30.2	...	60	26	−6	23	40	2.47	...	0.70	...	11	4	0	24	nw.	Lockmaster
Robertsburg	Putnam	570	29	28.0	−4.9	60	26	−4	23	56	3.14	+0.12	0.84	15.5	11	13	0	15	...	M. Frazier
Ryan	Roane	700	26	27.4	−5.8	55	18†	−15	23	52	3.49	+0.12	0.92	14.3	13	8	5	15	...	Wm. E. Ryan
Sharples	Logan	...	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	R. W. Howard
Spencer	Roane	789	25	29.4	−4.4	60	26	−8	23	46	3.89	+0.85	1.30	18.5	9	1	10	17	...	A. M. McKown
Summersville ††	Nicholas	1,894	5	^{c}29.0	...	63^{c}	22	−5^{c}	3†	57^{c}	1.43	...	0.72	14.0	7	4^{f}	1^{f}	17^{f}	...	J. H. Rohrabaugh
Sutton	Braxton	850	23	31.8	−2.8	60	26†	1	23	44	4.09	+0.79	1.05	19.0	11	17	0	11	...	C. B. Eakle
Union ^{d}††	Monroe	2,250	25	32.3	−0.8	61	19†	1	4	43	4.80	+2.09	0.90	30.0	18	7	5	12	...	W. M. H. Young
Wayne	Wayne	598	2	...	...	...	...	...	...	...	3.11	...	0.72	22.0	11	...	...	...	...	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	19	^{a}30.1	−3.5	65^{a}	18	−4	2	47^{a}	1.97	−2.25	0.90	13.5	4	21	1	6	...	H. E. Green
Williamson ††	Mingo	673	29	^{a}29.1	−7.0	59^{a}	18†	3	7	48^{a}	3.08	−0.07	0.71	19.5	11	12	0	16	ne.	A. J. Maynard
State averages and	extremes	...	...	30.0	−2.3	70	27	−15	23	56	2.98	−0.03	1.40	14.6	9	9	6	13	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means.

† Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for February, 1929

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard⦀	Potomac	.63		T.	.18	.04	.09	.58			.22	T.			T.						.39	.71	.09	T.			1.17	.47	.67				5.24
Brandywine	do					.10	*	.65									T.					.80					.50		.75				2.80
Harpers Ferry ⦀	do						.20	.76												T.		1.06	.10				.16	.31	.50				3.09
Martinsburg⦀	do	.02					.12	.85			T.										.03	.87					.15	.15	.40				2.59
Moorefield	do					.08	.16	.32													T.	1.04					.45		.65				2.70
Perry	do					.03	.51	.22												.05		.42					.36	.52					2.11
Piedmont	do					.07	.42	.19												T.		.77					.52		.48				2.45
Romney ⦀	do	.22					T.															.80					.44		.63				2.09
Stony River Dam	do	.08					.08	.40														.96	.16				1.10	.15	.24				3.17
Upper Tract	do						.16	.50															.96						1.30				2.92
Wardensville⦀	do	T.				T.			.02												T.	.90	.40	T.			.40		1.00				2.72
Northern Division																																	
Aberdeen	Monongahela	T.					.57	.35	T.	.03	.07						.02			.06	.45	.80	T.				.54		.06				2.95
Alma (near)	Ohio	.01				.02	.95	.01		.14	.01									.26	.14	.55					.45		.04				2.58
Bens Run	do					.07	.76		.12	.21	.07									.20	.12	.36					.92						2.83
Brownsville	Monongahela	T.					.63	.38	.02	.04										.02	.33	.57					1.11		.05				3.15
Bruceton Mills	do	.24	.04	T.		.02	.44	.06	T.	.29	T.	.04	.04	T.	T.					.48	.44												+++
Buckhannon	do	.25	T.				.40	.25		.40	T.	T.	T.				.05			.19	.50	1.10	T.	T.			.65		.15				3.94
Cairo	Little Kanawha	T.				.02	.87	.04	T.	.15										.31	.14	.55	T.			T.	.43		.06				2.57
Clarksburg ⦀	Monongahela	.05	T.				T.	1.00	T.	.01	.10	T.									.64	.76	.01	T.			.34	.06	.10				3.07
Cortland ⦀	do	.16	.08				.08	.16													.15	1.12					.51	.15	.40				2.81
Crawford ⦀	Little Kanawha	.05	T.				.94	.04		.06	T.						.02			.12	.27	.60					.66		.16				2.92
Creston ⦀	Monongahela	.03	T.			.05	.30	.65			.20						.01				.60	.68		T.			.51	T.	.25				3.28
Dam 10, Mon. R.⦀	Ohio							.72			.14										.08	.40	T.				.34	.06	.03				1.77
Dam 12, O. R.⦀	do	.09						.86		.23	.03	T.								T.	.24	.38	T				.87	.03	.13				2.86
Dam 13, O. R.⦀	Monongahela	.08						.86		.13	.03		.04									.35	.04				.85	.03	.13				2.54
Dam 15, Mon. R.⦀	do	.08	.03					.78	T.	T.	.14	T.									.33	.37	T.				.41	.06	.22				2.42
Davis ⦀	do	.47	.04	T.			T.	.43				T.	.17		T.		.01				.27	.75	.07	T.			.59	.09	.25				3.14
Elizabeth (D'm 3 L. K.)	Little Kanawha	.16						.95		.08											.32	.56					.98		.20				3.25
Elkins ***	Monongahela	.04	T.	T		T.	.40	.04		.01	.03	T.	T.	T.	T.	.01	.03			.31	.30	.65	.01			.37	.11	.21	.06				2.58
Fairmont ⦀	do	.08	.04					.88	T.	T.	.18		T.								.48	.48	T.				.39	.05	.27				2.85
Glenville ⦀	Little Kanawha	.11					.06	T.	1.04	.11	.04	.06					T.				.52	1.14					.60	.10	.16				3.94
Grafton⦀	Monongahela																																
Horner	do					.25			.50			.18			.47			.60		.16		.25	.36			.25	.70		.30				4.02
Horton	do	.09	T.				.40	.64					T.								.12	.77					.40		.44				2.86
Janelew (near)	do						.60	.32		.10											.50	.70					.55						2.77
Lost Creek	do	T.					.81	.22		.04	T.						T.			.16	.40	.78	T.			T.	.57		.06				3.04
Mannington	do	.02		T.			.68	.36		.11	.05									.22	.29	.54	.02				.48		.15				2.92
Morgantown	do	T.	T.				.45	T.		T.	.04									.16	.48	.32					.85		.25				2.55
New Cumberland ⦀	Ohio	.25			.01		T.	.62		.20		.03			.04					.11	.18	.26	.02				1.10	.02	.08				2.92
New Martinsville	do	T.				T.	.80	.10	T.	.20										T.	.10	.40					.90						2.50
Parkersburg ***	do	T.	T.			.11	.60	T.	.05	.12		T.								.31	.08	.36				.49	.51	.01	.05				2.69
Parsons	Monongahela	.16				T	T.	T.		T.	T.									.20	.16	.64	.04			.75	1.25		.26				3.46
Parsons No. 2	do	.04				T.	.27	.18			T.	T								.11	.29	.63	T.				.65		.25				2.42
Philippi	do	.10	.08	T.			.10	.60									T.	T.			.12	.80	T.	.02			1.20		.20				3.22
Pickens	do	.32	T.			T.	.47	T.			.08	T.	.16							.55	.24	.64	.08				1.05		.65				4.24
Roanoke	do	T.					.80	.18		.03	.13						.01			.14	.30	.71				.13	.63		.15				3.21
Rowlesburg ⦀	do	.10	.06	.02				.32	.03		.08						.03				.58	.46					.42	.12	.12				2.34
Saint Marys ⦀	Ohio	T.				.03		.73		.10	.12										.34	.65					.78	.07	.05				2.87
Terra Alta	Monongahela	.03	T.	T.	T	.01	.12	.16		.04	.03	T.	.03		.02		T.			.11	.23	.24	.02				.51		.11				1.66
Valley Chapel	do						.70	.42		.05							.05			.08	.30	.28					.59		.05				2.52
Vandalia	do						.96			.16							.09				.63	.89					.42		.14				3.29
Wellsburg	Ohio	.08	T.	T.			.10	.25	T.	.27										.12	.10	.34					.09		.12				1.47
West Milford	Monongahela						1.10				.10										*	*					1.41		.20				2.81
Weston	do							1.05			.08										.40	.80					.50	.20					3.03
Wheeling⦀	Ohio	.07	T.				T.	.62		.17	.11		T.		T.	T.				T.	.22	.35	T.				.90	.03	.13				2.60
Woodlands ⦀	do	.04						.84		.15	.12										.20	.35					.64	.08	.06				2.48
Southern Division																																	
Arbovale	Great Kanawha	T.	T.			.04	.32	.08			T.						.02			.10	T	.73	T.			.05	.82						2.16
Bancroft ⦀	do	.32				.16	.38	.62		.05	.08										25	.96					1.00		.20				4.02
Bluefield	do	*	.31			*	*	1.52									.11				.12	.40		.34		.87	.37		.61				4.65
Camden-on-Gauley⦀	do																																
Charleston ⦀	do	.16				.06	.16	.48									.06				.60	.64					.38	.18	.20				2.92
Clay ⦀	do	.28	.02			.01	.04	.58				T.	T.	T.			.05	T.			.43	1.08	T.	T.			.35	.17	.25				3.26
Dam 6 G. K. ⦀	do	.24					.30	.60		.02											.45	.35					.35	.28	.10				2.69
Dam 19 O. R. ⦀	Ohio	.02				.08	.03	.67	T.	.15	.08										.20	.44			T.	T.	1.20	.04	.14				3.05
Dam 20 O. R. ⦀	do					.10	.04	.70		.14	.10										.36	.46					.94	.05	.06				2.95
Dam 25 O. R. ⦀	do	.05				.10	.10	.40		.12	T.										.65	.40	.03				.75		.05				2.65
Dam 26 O. R. ⦀	do	.10				.10	.05	.35		.08	.10						.01					.45					.75		.12				2.11
Gary ⦀	Big Sandy	.08				.04	.32	.44		.22							.04	.14			.23	.64	.56				.32	.08	.96				4.07
Hinton ⦀	do	.07	.01			.07	.24	.87									.01	.01			.10	.90	.02	.01			.35	.07	1.08				3.81
Huntington ⦀	Ohio					.15	.44	T.		.20							T			.30	.15	.92				.35	.46		.05				3.02
Kanawha Falls⦀	Great Kanawha	.15					.10	.64										.12			.15	.52					.18		.62				2.48
Kayford⦀	do	.48	.01	T.		.18	.05	.60	.01	T.	.26	T.	.01	T.	T.		.13	.03	T.		.30	.90	.03	.06	T.		.26	.52	.41				4.24
Kermit ⦀	Big Sandy					.10	.30	.15								.10					.50	1.40					1.20	.20					3.95
Lewisburg	Great Kanawha					.15	.81										.08				T.	.90				.12	.51		.98				3.55
Logan ⦀	Guyandotte	.27					.20	.44										.03			.09	1.01					.57	.28	.32				3.21
Marlinton	Great Kanawha	T.				.15	1.11				T.		T.				T.				T.	1.00	T.			.06	.84		1.10				4.26
Organ Cave	do	.24			.16	.16	.32								.16				.16			.96					.45	.65	.35				3.61
Point Pleasant ⦀	Ohio	.08	.05			.08	.04	.20		.08	.08										.26	1.00					.82	.11	.20				3.00
owellton	Great Kanawha			.20				.30						.35								.50		.36					.16				1.87
avenswood (Dam 22	Ohio	.08				.05	.06	.70		.05	.12										.34	.48	T.				.50	.03	.06				2.47
obertsburg ⦀	Great Kanawha	.08				.14	.10	.54		.10	.09										.31	.84					.80	.09	.05				3.14
yan	do	.03	.10				.92	.01		.11	.02						.01			.43	.20	.87				.16	.50		.13				3.49
harples⦀	Coal River																				.15	1.50				T.	.31	.20	.40				+++
pencer ⦀	Great Kanawha	.24	T			.04	.14	.82		T.	T.	T.	T.	T.			T.				.28	.90					1.30	.10	.07				3.89
ummersville	Gauley	.40					.08	.12														.72	T.				.01	.02	.08				1.43
utton	do						1.05	.25		.30			.08				.20			.15	.32	.96	.08				.50		.20				4.09
nion	do	.08	.08		.08	.08	.16	.16	.08	.08		.20					.10		.54		.10	.56	.41	.36		.90	.10		.73				4.80
ayne⦀	Big Sandy	.13				.06	.10	.30		.07							.12				.67	.72					.70	.10	.14				3.11
hite Sulpr. Spgs.⦀	Great Kanawha					.12	.45										T.				T.	.90				T.	T.	.50					1.97
illiamson ⦀	Big Sandy	.05			.07	.28		.33			.03						.10				.44	.50					.71	.17	.40				3.08

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

⦀ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for February, 1929

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	30	30	21	32	30	30	34	47	46	40	23	19	32	33	40	38	46	48	51	37	33	30	30	44	54	60	56	46	..	..	..	37.9
	Minimum	7	5	6	-9	0	23	27	26	30	16	8	6	2	6	21	27	25	25	17	5	13	25	7	2	13	35	37	32	..	..	..	15.6
Brandywine	Maximum	32	21	30	34	32	35	40	45	45	45	35	32	32	38	40	38	47	50	60	54	40	40	35	45	45	54	52	50	..	..	..	40.9
	Minimum	20	2	-3	-2	8	20	25	14	22	26	8	15	7	13	17	25	18	24	22	18	20	20	10	10	18	35	40	37	..	..	..	17.5
Martinsburg§	Maximum	30	28	30	35	30	41	45	48	41	36	36	32	31	43	51	51	54	62	52	30	36	44	39	50	50	40	60	..	..	..	..	41.7
	Minimum	14	14	18	15	8	10	27	33	30	30	14	18	12	14	15	30	21	21	20	15	15	18	17	6	10	20	32	33	..	..	..	18.9
Moorfield	Maximum	32	28	31	36	35	32	49	48	47	45	38	36	34	48	52	48	57	61	64	55	42	45	42	55	57	47	60	56	..	..	..	45.7
	Minimum	20	13	7	4	8	27	22	20	27	29	11	19	9	14	21	32	19	23	24	17	17	20	8	8	17	34	35	36	..	..	..	19.3
Piedmont	Maximum	25	22	26	30	26	31	37	44	44	41	28	27	29	38	44	42	52	54	56	36	37	35	33	38	49	42	54	47	..	..	..	38.1
	Minimum	18	13	15	10	10	26	31	31	34	23	11	16	11	17	20	30	21	22	28	11	16	18	14	10	12	35	36	35	..	..	..	20.5
Romney §	Maximum	28	29	32	34	32	39	42	49	43	34	34	33	33	44	50	45	55	60	49	32	42	34	52	53	49	55	59	..	..	..	..	42.3
	Minimum	18	12	11	3	6	11	30	28	30	25	10	14	11	15	17	28	22	20	25	14	14	29	16	11	20	34	34	34	..	..	..	19.3
Upper Tract	Maximum	27	22	30	36	37	34	40	51	53	54	33	35	35	43	49	44	55	57	59	62	50	40	40	48	51	55	57	54	..	..	..	44.7
	Minimum	17	7	1	0	18	24	25	18	16	26	8	8	9	13	20	29	20	29	28	21	15	16	14	14	14	22	34	33	..	..	..	17.8
Wardensville	Maximum	40	39	40	36	40	43	45	39	45	51	47	35	40	..	..	51	60	63	64	..	60	..	..	54	50	61	70	..	..	..	..	48.8
	Minimum	11	13	2	-4	2	9	20	25	20	10	5	15	8	9	..	..	12	20	11	12	..	15	..	..	12	18	30	20	..	..	..	12.8
Northern Division																																	
Bens Run	Maximum	27	22	28	30	36	39	39	45	42	35	27	29	40	39	43	44	50	51	37	24	33	33	35	47	47	61	56	45	..	..	..	38.7
	Minimum	16	13	12	11	16	31	29	32	34	12	13	13	17	26	17	17	24	25	22	4	19	27	5	14	24	38	35	35	..	..	..	20.8
Buckhannon	Maximum	29	21	24	32	37	42	38	48	45	41	26	25	39	38	36	41	48	51	49	40	36	34	32	44	50	59	55	47	..	..	..	39.5
	Minimum	17	16	12	3	13	32	32	30	35	20	11	14	13	22	19	16	25	23	29	10	20	29	2	7	20	40	40	26	..	..	..	20.6
Cairo	Maximum	27	20	30	33	36	39	38	41	45	34	30	31	41	39	47	47	50	54	43	28	35	34	36	47	50	56	53	42	..	..	..	39.5
	Minimum	14	9	10	5	15	31	32	31	34	17	10	9	13	23	12	23	18	19	24	0	20	24	-8	4	17	34	31	32	..	..	..	17.9
Clarksburg §	Maximum	23	20	27	33	38	40	35	47	39	27	26	30	39	38	46	45	58	52	35	34	34	33	36	51	56	53	43	38	..	..	..	38.4
	Minimum	18	12	9	7	10	22	34	31	32	18	10	13	13	18	12	17	21	19	27	8	7	25	0	3	8	21	39	37	..	..	..	17.5
Creston	Maximum	30	25	31	38	37	38	39	48	47	35	28	33	42	43	45	45	52	55	54	31	35	36	39	49	52	60	60	50	..	..	..	42.0
	Minimum	17	9	3	5	15	22	31	30	32	26	10	10	12	21	11	29	19	20	25	4	19	19	9	3	18	36	31	35	..	..	..	18.6
Elkins	Maximum	18	15	23	35	34	41	36	52	43	30	22	26	36	36	42	37	50	51	54	27	36	33	33	45	33	59	55	40	..	..	..	37.9
	Minimum	9	8	7	-1	12	32	30	30	30	14	11	12	10	21	19	20	27	23	17	10	23	17	9	9	18	48	38	32	..	..	..	19.4
Fairmont§	Maximum	23	22	30	37	42	41	35	49	39	33	31	34	40	41	49	48	53	53	33	33	36	35	37	50	51	55	56	49	..	..	..	40.5
	Minimum	19	13	13	8	9	21	34	32	33	13	13	14	14	18	19	21	24	25	28	4	7	15	8	11	20	22	37	37	..	..	..	19.0
Glenville	Maximum	30	22	33	42	38	38	38	52	48	36	31	34	41	42	47	47	54	57	57	35	39	38	41	52	58	61	61	50	..	..	..	43.6
	Minimum	17	11	6	5	13	29	31	29	32	13	10	11	12	18	11	30	18	20	25	2	21	21	-7	0	12	35	36	36	..	..	..	17.8
Grafton	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Lost Creek	Maximum	26	19	29	34	37	39	37	47	45	35	27	30	39	39	45	52	50	53	50	32	33	34	34	48	52	57	58	48	..	..	..	40.3
	Minimum	16	10	6	2	10	30	30	30	31	16	8	10	10	20	11	24	26	19	22	5	17	28	-5	-1	13	35	37	35	..	..	..	17.7
Mannington	Maximum	26	22	25	30	37	40	36	45	43	34	28	28	38	37	42	43	48	51	48	24	34	34	34	47	47	55	54	48	..	..	..	38.5
	Minimum	17	13	13	3	10	30	33	31	33	17	10	14	14	23	14	30	18	19	24	-5	19	29	-4	0	13	34	34	35	..	..	..	18.6
Morgantown	Maximum	21	20	24	30	38	40	38	45	44	34	30	26	38	38	42	42	49	51	41	25	32	32	31	43	53	59	59	45	..	..	..	38.2
	Minimum	15	10	13	20	18	29	31	30	32	15	10	12	15	25	22	29	27	35	20	1	16	25	10	21	27	47	38	32	..	..	..	22.3
New Cumberland§	Maximum	25	24	25	29	36	40	35	40	32	25	24	23	35	33	38	44	48	43	23	30	35	32	35	47	49	59	47	..	..	..	..	35.4
	Minimum	18	14	13	12	9	10	31	23	28	15	11	8	9	13	18	13	23	28	21	-4	-2	21	7	11	20	29	34	32	..	..	..	16.6
New Martinsville	Maximum	27	23	28	35	39	40	39	46	44	36	29	31	40	40	45	55	52	52	39	28	34	35	38	49	51	60	58	48	..	..	..	40.8
	Minimum	16	13	12	9	14	32	33	32	33	17	12	12	16	26	17	26	23	24	22	1	19	26	6	13	22	38	34	35	..	..	..	20.8
Parkersburg	Maximum	21	21	27	32	36	39	36	45	36	29	27	31	42	38	44	45	50	51	30	23	34	32	37	48	50	62	51	43	..	..	..	37.9
	Minimum	13	13	12	13	22	33	32	33	28	15	15	14	19	27	19	30	30	29	18	8	19	18	5	19	26	46	37	35	..	..	..	22.4
Parsons	Maximum	26	22	35	40	35	33	31	51	40	38	25	35	38	39	45	38	54	54	54	33	37	33	36	48	54	60	55	40	..	..	..	40.3
	Minimum	14	9	12	-3	12	29	28	28	28	18	14	12	10	20	17	26	26	20	26	11	20	25	3	6	12	48	40	34	..	..	..	19.5
Pickens	Maximum	21	15	29	38	36	40	37	49	47	34	24	28	34	38	42	45	50	57	58	47	35	32	34	46	53	56	51	47	..	..	..	40.3
	Minimum	5	0	-4	-3	10	23	24	20	27	13	4	6	6	10	9	18	19	22	25	7	21	11	-5	9	22	40	32	28	..	..	..	14.4
Terra Alta	Maximum	20	16	20	30	30	29	32	41	40	33	21	20	28	32	39	38	44	46	45	33	28	28	26	40	50	59	54	44	..	..	..	34.5
	Minimum	11	5	8	5	13	21	28	25	32	13	11	11	14	13	19	25	24	23	25	0	12	23	6	11	16	39	35	29	..	..	..	17.8
Wellsburg	Maximum	22	23	25	27	36	39	36	41	42	35	24	22	36	35	37	40	48	47	33	22	34	32	33	46	46	59	59	44	..	..	..	36.5
	Minimum	15	13	10	5	4	30	30	30	32	15	5	11	10	24	14	20	20	22	19	-8	17	24	10	7	24	36	35	33	..	..	..	18.1
Weston	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Wheeling§	Maximum	26	26	32	32	40	40	40	44	35	32	50	29	33	37	49	48	55	46	37	24	36	36	38	52	50	59	47	50	..	..	..	40.1
	Minimum	17	9	10	9	5	14	31	30	30	10	5	6	10	16	15	15	22	24	20	-5	5	22	6	10	16	23	30	30	..	..	..	15.5
Southern Division																																	
Bluefield	Maximum	28	22	..	43	40	37	37	52	52	..	35	31	37	40	40	37	..	51	56	55	35	..	35	..	48	54	53	50	..	..	..	42.3
	Minimum	14	5	..	8	23	23	31	27	31	..	18	14	22	24	27	31	..	21	35	17	19	..	11	..	18	47	42	35	..	..	..	23.7
Charleston§	Maximum	32	31	28	42	40	44	40	58	40	40	40	44	46	50	46	46	60	64	53	52	44	40	52	58	60	62	62	44	..	..	..	47.1
	Minimum	20	7	6	6	12	30	34	32	32	21	16	18	18	19	20	20	25	25	27	18	18	25	9	9	20	32	37	37	..	..	..	21.2
Gary §	Maximum	18	15	31	31	35	36	36	36	36	34	27	38	44	45	42	37	56	58	64	30	38	37	41	55	44	59	55	44	..	..	..	40.1
	Minimum	18	7	7	15	22	31	35	30	30	28	18	17	18	20	22	26	23	23	24	20	21	22	7	7	23	29	36	37	..	..	..	22.0
Hinton §	Maximum	25	26	38	47	34	38	40	55	48	37	33	38	43	26	34	27	60	60	68	29	40	38	42	56	46	54	54	46	..	..	..	42.2
	Minimum	20	10	6	7	13	27	30	30	30	29	18	20	17	20	24	25	26	23	23	20	20	24	8	9	14	27	36	37	..	..	..	21.2
Huntington	Maximum	29	28	38	41	37	40	39	49	44	44	35	37	45	42	45	45	54	59	44	44	37	36	42	54	47	61	60	60	..	..	..	44.1
	Minimum	16	6	7	10	26	32	36	34	35	17	11	16	20	27	17	32	28	26	29	9	21	23	1	11	27	40	36	38	..	..	..	22.6
Lewisburg	Maximum	31	22	33	41	38	34	37	45	45	40	29	30	39	40	36	39	49	52	58	49	37	40	35	46	45	50	48	43	..	..	..	40.4
	Minimum	14	3	-2	16	22	24	32	26	26	23	12	16	13	17	23	29	22	19	27	17	19	27	8	5	17	34	35	35	..	..	..	20.0
Marlinton	Maximum	20	16	32	36	30	32	36	42	44	34	24	26	32	34	38	36	42	48	50	34	34	34	34	40	38	46	41	44	..	..	..	35.7
	Minimum	10	0	-6	-2	16	22	30	20	22	18	4	12	0	12	12	28	12	10	22	14	18	22	18	0	26	30	30	34	..	..	..	15.5
Point Pleasant	Maximum	35	30	25	25	38	38	40	40	40	35	30	35	38	40	45	55	54	55	55	45	40	38	33	40	48	60	60	60	..	..	..	42.0
	Minimum	6	10	2	8	20	21	30	30	24	12	10	11	19	25	25	30	22	21	18	10	9	7	3	10	22	40	42	40	..	..	..	18.8
Powellton	Maximum	40	45	42	50	48	..	52	60	58	..	..	..	..	46	48	45	..	..	..	..	41	48	41	49	52	58	61	56	..	..	..	49.6
	Minimum	20	21	23	29	21	..	24	30	31	..	..	..	..	18	21	19	..	..	..	..	15	23	20	25	28	33	39	17	..	..	..	24.1
Ravenswood	Maximum	20	23	30	36	36	39	40	44	43	55	29	37	41	41	46	45	51	54	53	24	35	34	34	47	47	60	58	50	..	..	..	40.5
	Minimum	16	10	1	11	22	34	33	32	33	15	12	14	17	27	15	29	24	24	23	0	20	11	-6	9	23	45	31	36	..	..	..	20.0
Robertsburg§	Maximum	25	28	30	39	37	40	40	50	40	30	30	35	43	40	45	45	55	58	33	25	38	29	37	53	55	60	54	50	..	..	..	40.9
	Minimum	16	3	0	1	10	29	33	33	33	11	11	10	10	21	15	16	24	15	17	6	6	16	-4	-3	8	27	31	32	..	..	..	15.2
Ryan	Maximum	25	22	26	35	35	35	34	45	35	31	26	32	40	40	40	43	40	55	39	27	33	37	37	50	50	55	50	42	..	..	..	37.8
	Minimum	15	15	-1	4	17	31	31	32	31	15	9	14	14	19	11	29	19	19	23	-1	19	7	-15	-1	17	35	29	35	..	..	..	16.9
Spencer §	Maximum	23	21	31	36	36	38	38	50	36	29	29	32	42	40	45	45	52	50	31	26	35	35	21	51	58	60	55	45	..	..	..	38.9
	Minimum	18	7	1	8	19	33	32	31	35	16	11	12	15	27	13	28	22	22	26	7	20	15	-8	5	20	45	35	34	..	..	..	19.8
Sutton	Maximum	29	21	31	35	39	39	39	51	51	40	28	33	40	41	43	43	55	57	57	41	36	36	40	52	52	60	60	52	..	..	..	42.9
	Minimum	18	11	5	4	14	31	33	30	32	22	11	17	13	19	13	31	21	21	28	13	21	28	1	8	21	40	38	33	..	..	..	20.6
Union	Maximum	30	24	..	39	40	35	37	47	49	..	46	32	39	44	44	43	..	54	61	62	37	38	36	..	50	61	54	51	..	..	..	43.9
	Minimum	17	6	..	1	22	21	32	27	27	..	15	16	15	16	23	30	..	20	27	19	19	27	10	..	10	18	38	38	..	..	..	20.7
White Sulphur Spgs§	Maximum	28	36	45	30	36	39	55	50	31	35	35	43	46	40	40	55	57	65	31	40	39	30	52	41	51	50	49	..	..	..	..	42.6
	Minimum	4	-4	-2	5	24	29	28	30	27	14	17	9	13	21	25	20	18	20	20	20	23	13	5	8	23	32	35	26	..	..	..	17.6
Williamson§	Maximum	27	27	33	42	42	41	40	54	43	40	32	32	44	44	40	52	53	59	59	38	37	35	41	52	49	56	52	..	..	..	..	43.1
	Minimum	19	11	11	14	8	7	3	6	14	24	21	18	16	13	18	7	23	24	26	32	5	11	16	10	18	10	16	21	..	..	..	15.1

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 3-25-29—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVII Parkersburg, W. Va., March, 1929 No. 3

GENERAL SUMMARY

The past month, with an average temperature of 46.7°, was the warmest March since 1921. The March average for 1928 was 41.4°. After the first few days the month was nearly continuously warm, and the highest temperatures of March State record occurred in practically all portions of the State on the 25th. The precipitation averaged nearly one-half inch below the normal, and was favorably distributed. The snowfall averaged slightly below the normal and was practically all received during the first six days. High winds were general on the 7th, but practically no damage resulted. Warm weather caused a rapid development of buds. The conditions were also favorable for outdoor work and early farm operations were well advanced at the close of the month.

MODERATE FLOOD

The Ohio in the Parkersburg district was moderately high during the first ten days and flood stages occurred as follows: Marietta, 33.1 feet on the 1st; Point Pleasant, 44.2 feet on the 2d and 40.5 feet on the 8th.

TEMPERATURE

The monthly mean for the State, determined from 43 stations, was 46.7°. The departure from the normal for 37 stations having ten or more years of record was +3.9°. The temperature averaged nearly normal until the 8th. The warm spells were from the 8th to the 11th, 12th to the 16th, and the 19th to the 27th, the highest temperature occurring on the 25th. The 31st was also warm. The lowest temperature was on the 10th.

PRECIPITATION

The average precipitation for the State, determined from 79 stations, was 3.47 inches. The departure from the normal for 55 stations having ten or more years of record was −0.42 inch. Precipitation was quite general on the 1st-2d, 4-6th, 13-14th, 16-17th, 22-23d, 26th, and 30th, the greatest amounts being measured on the 5th and 23d. Most of the snowfall was received on the 2d and 5th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 4th; Bancroft, 4th, 27th, 29th, and 31st; Charleston, 27th; Clay, 15th and 16th; Hinton, 1st, 5th, 23d, and 24th; Huntington, 26th; Marlinton, 4th, 5th, and 25th; Parkersburg, 27th; Robertsburg, 27th and 31st; Saint Marys, 15th and 27th, Terra Alta, 1st, 5th, 15th, and 26th; Wheeling, 4th, 12th, 13th, 15th, and 27th.

Halos, lunar: Huntington, 26th; Parkersburg, 21st.

Sleet: Parkersburg, 1st and 5th; Marlinton, 4th; Terra Alta, 1st.

Thunderstorms: New Cumberland, 15th; Aberdeen, Bayard, Clarksburg, Crawford, Davis, Elkins, Huntington, Parsons, and Terra Alta, 16th; Glenville, New Cumberland, Parkersburg, and Wellsburg, 26th; Clarksburg, 27th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
									Max. velocity		
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Miles per hour	Direction	Date
Cincinnati, Ohio	29.98	81	62	58	213.9	59	6,280	8.4	37	nw.	6
Columbus, Ohio	29.97	80	63	66	183.0	49	8,123	10.9	60	nw.	6
Elkins	30.02	82	57	62	149.6	40	4,645	6.2	36	w.	7
Lexington, Ky	30.01	74	58	....	181.5	49	10,889	14.6	42	w.	16
Parkersburg	30.00	77	53	55	162.4	44	4,641	6.2	36	sw.	7
Pittsburgh, Pa	30 03	71	57	57	168.9	46	8,604	11.5	50	w.	7
Wytheville, Va	30.01	76	56	61	180.0	49	5,341	7.2	35	w.	16

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	34.9	.....	.....	4.91	.....	.....	.....	.....	.....	.....	.....
1892	36.4	87	8	3.50	.....	.....	.....	.....	.....	.....	.....
1893	40.7	84	3	1.49	2.89	0.89	5.2	9	8	8	15
1894	45.8	88	1	1.94	3.05	0.75	1.9	8	15	9	7
1895	39.6	90	0	3.05	4.75	0.89	7.9	11	11	9	11
1896	36.1	76	−10	4.45	8.40	1.76	.....	13	10	8	13
1897	46.1	81	12	3 60	6.52	1.33	.....	12	9	10	12
1898	48.5	86	9	5.13	10.05	1.25	T.	12	8	9	14
1899	42.5	76	0	5.82	8.48	2.40	4.5	13	7	9	15
1900	38.5	78	− 5	3.79	6.48	2.18	14.7	12	7	9	15
1901	42.9	83	−11	3.23	5.27	0.90	2.3	12	8	8	15
1902	43.4	80	− 5	4.30	6.29	3.00	15.0	11	10	9	12
1903	51.3	87	13	4.47	6.59	2.70	0.2	11	10	9	12
1904	43.8	86	7	4.12	6.10	1.38	1.9	11	9	8	14
1905	46.6	88	− 2	4.10	6.46	1.45	0.7	10	14	7	10
1906	37.3	75	− 7	4.77	8.11	1.98	13.4	14	7	6	18
1907	49.6	94	2	4.77	8.18	1.05	4.2	12	12	8	11
1908	47.8	89	15	6.04	8.60	1.23	1.1	13	11	8	12
1909	40.8	83	10	3.38	8.66	1.10	4.7	13	9	10	12
1910	49.5	90	5	0.55	2.25	0.04	1.1	4	18	9	4
1911	40.5	90	− 5	3.30	7.86	1.12	5.2	12	11	8	12
1912	39.9	80	6	5.02	9.36	1.78	5.1	15	8	7	16
1913	45.7	89	− 3	4.53	7.90	1.77	2.7	12	11	9	11
1914	37.3	83	−13	3.03	7.11	0.89	17.7	12	10	8	13
1915	34.4	63	7	1.61	4.32	0.53	6.7	8	12	7	12
1916	38.5	88	− 4	4.88	9.88	2.49	9.0	13	11	7	13
1917	41.9	85	− 3	6.58	14.20	3.10	11.6	14	14	4	13
1918	46.5	85	0	4.26	9.37	1.55	0.1	9	16	5	10
1919	44.5	81	12	2.92	4.81	1.60	0.8	9	16	6	9
1920	42.8	83	− 5	3.38	8.87	1.40	3.1	9	17	5	9
1921	52.7	90	10	2.84	5.75	0.63	T.	10	14	8	9
1922	45.0	85	0	5.33	8.19	1.40	3.3	15	10	5	16
1923	41.7	82	− 4	3.23	5.50	0.88	3.2	10	15	5	11
1924	38.9	83	4	4.16	7.86	1.60	9.9	11	10	7	14
1925	43.6	82	−12	3.25	6.59	1.00	2.2	11	12	6	13
1926	35.9	75	− 9	2.87	9.82	0.35	10.0	13	10	7	14
1927	45.4	89	5	2.66	4.97	0.20	1.0	9	11	6	14
1928	41.4	86	− 3	3.87	7.64	1.32	16.3	12	10	9	12
1929	46.7	92	− 2	3.47	6.65	1.27	4.8	12	12	6	13
1891-1929	42.7	94	−13	3.81	14.20	0.04	5.5	11	11	8	12

Climatological Data for March, 1929

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	28	42.8	+5.1	83	25†	3	10	53	6.19	+1.73	1.51	10.0	15	12	9	10	sw.	U. G. Clark
Brandywine	Pendleton	1,586	13	43.9	+1.5	88	25	7	10	47	2.45	−0.43	1.25	T.	6	16	2	13	s.	Elmer Keister
Harpers Ferry	Jefferson	244	40	......	......	......	......	......	......	......	2.74	−0.20	0.90	1.0	9	......	......	......	......	J. C. Newcomer
Martinsburg	Berkeley	435	37	[a]46.6	+5.3	82[a]	24	10	10	49[a]	3.61	+0.31	0.80	......	18	23	5	3	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	33	50.3	+6.4	89	24†	8	11	60	2.71	+0.06	0.65	T.	9	26	0	5	......	M. S. Henkel
Perry	Hardy	......	1	......	......	......	......	......	......	......	2.68	......	0.88	1.5	9	12	11	8	s.	W. R. Paddock
Piedmont	Mineral	1,053	16	46.2	+4.0	82	24	12	10	46	2.13	−0.87	1.04	......	7	14	6	11	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	31	[d]47.7	+5.1	84[d]	24	10[c]	10	53[g]	2.63	−0.39	1.40	......	6	9	12	10	......	George E. Bergdoll
Stony River Dam	Grant	3,300	9	......	......	......	......	......	......	......	3.36	......	0.64	14.0	11	5	10	16	w.	A. C. Becker
Upper Tract	Pendleton	1,230	30	[c]47.3	+4.4	89[a]	25	7[c]	10	46[c]	1.62	−0.68	0.95	......	4	14	0	17	......	J. M. Mallow
Wardensville	Hardy	1,200	12	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	5	......	......	......	......	......	......	......	3.97	......	1.26	7.8	11	10	8	13	w.	L. Else Bond
Alma (near)	Tyler	......	2	......	......	......	......	......	......	......	2.69	......	0.85	3.0	11	8	8	15	......	D. N. Furbee
Bens Run	Pleasants	652	27	47.3	+4.1	86	25	12	10	40	2.19	−1.95	0.58	6.0	11	15	6	10	......	J. D. Riggs
Brownsville	Lewis	1,032	6	47.3	......	89	25	6	10	49	3.93	......	1.08	4.0	11	15	3	13	......	George M. Myers
Bruceton Mills	Preston	1,549	12	......	......	......	......	......	......	......	......	......	......	......	......	5[c]	10[e]	11[e]	w.	W. M. Wolf
Buckhannon	Upshur	1,411	32	46.5	+4.9	85	25	10	10	49	3.41	−1.11	1.65	4.0	9	15	3	13	......	H. A. Darnall
Cairo	Ritchie	680	30	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	O. C. Hess
Clarksburg	Harrison	1,015	7	43.7	......	88	25†	7	10	51	2.39	......	0.77	4.0	9	13	6	12	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	18	......	......	......	......	......	......	......	2.72	−1.43	0.51	6.0	11	6	17	8	......	G. W. Harmon
Crawford	Lewis	1,107	6	......	......	......	......	......	......	......	4.15	......	1.03	5.0	10	12	7	12	sw.	George W. Blair
Creston	Wirt	640	27	48.3	+4.1	91	25	12	10	51	3.43	−0.59	0.80	5.0	11	15	0	16	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	8	......	......	......	......	......	......	......	3.25	......	1.33	......	13	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	13	......	......	......	......	......	......	......	2.42	−0.87	0.54	......	17	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	13	......	......	......	......	......	......	......	2.13	−0.88	0.53	......	17	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	8	......	......	......	......	......	......	......	2.59	......	0.72	2.0	17	......	......	......	......	Lockmaster
Davis	Tucker	3,093	20	......	......	......	......	......	......	......	4.05	−0.26	0.83	13.6	15	12	3	16	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt††	615	17	......	......	......	......	......	......	......	2.65	−1.43	0.52	3.0	10	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	28	44.4	+4.4	88	25	7	10	44	3.42	−0.38	1.19	8.7	16	6	7	18	w.	U. S. Weather Bureau
Fairmont	Marion	883	23	46.2	+4.2	91	25	9	10	51	1.91	−2.03	0.33	6.5	10	13	3	15	w.	J. C. Robinson
Glenville	Gilmer	738	35	48.6	+4.3	91	25	8	10	49	4.35	+0.11	1.53	5.5	11	11	9	11	w.	Howard R. Brannon
Grafton	Taylor	1,000	36	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Curtis Boice
Hornert††	Lewis	1,044	6	......	......	......	......	......	......	......	3.75	......	0.75	......	9	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	4	......	......	......	......	......	......	......	2.66	......	0.55	17.8	13	14	0	17	w.	J. W. White
Janelew (near)	Lewis	1,020	6	48.6	......	91	25	6	10	51	3.05	......	1.45	2.0	8	14	6	11	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	31	46.4	+3.7	88	25	5	10	50	2.91	−1.18	1.28	6.0	12	14	5	12	w.	Allen Smith
Mannington	Marion	985	26	45.4	+2.5	87	25	8	10	44	2.81	−0.94	1.24	11.4	14	10	6	15	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	36	47.7	+5.7	87	25	8	10	38	1.27	−2.32	0.37	6.0	5	4	6	21	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	31	[a]42.6	+2.6	85[a]	25	9	10	46[a]	2.89	−0.34	0.60	3.0	16	7	6	18	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	35	48.2	+4.6	88	25	10	10	45	2.20	−1.45	0.70	1.0	10	13	6	12	s.	Wm. Ankrom
Parkersburg	Wood	638	42	48.4	+5.6	87	25	12	10	38	2.39	−1.10	0.89	4.4	14	8	9	14	se.	U. S. Weather Bureau
Parsons ††	Tucker	1,649	29	45.3	+5.4	88	25	8	10	49	3.59	−0.47	0.52	5.5	11	14	0	17	......	J. W. Swisher
Parsons No. 2	Tucker		3	......	......	..	......	......	......	......	3.03	−1.03	0.80	5.0	13	14	5	12	......	Robert T. Deem
Philippi	Barbour	1,550	32	......	......	......	......	......	......	......	3.42	−0.78	0.90	5.0	11	......	......	......	......	H. F. Brittingham
Pickens	Randolph	2,697	26	41.9	+2.2	85	24†	−2	10	43	4.84	−0.94	0.80	14.0	12	14	5	12	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	6	......	......	......	......	......	......	......	3.77	......	1.24	4.0	11	15	4	12	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	42	......	......	......	......	......	......	......	3.64	−0.66	1.20	6.5	15	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	20	......	......	......	......	......	......	......	2.59	−1.03	0.50	T.	14	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	28	42.8	+3.8	82	25	4	10	42	2.81	−2.01	0.64	8.0	15	6	7	18	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	6	48.0	......	89	25	5	6	50	2.79	......	0.74	5.0	12	11	3	17	w.	J. C. Campbell
Vandalia	Lewis	1,120	6	......	......	......	......	......	......	......	3.31	......	1.13	4.5	9	......	......	......	......	Creed H. McCue
Wellsburg	Brooke	668	22	44.9	+5.7	87	25	8	10	46	3.85	+0.62	0.84	1.0	12	13	8	10	w.	George P. Pfister
West Milford	Harrison	979	4	......	......	......	......	......	......	......	2.60	......	......	......	8	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	34	......	......	88[m]	25	......	......	......	3.46	−1.01	1.05	......	......	......	......	......	......	Weston State Hospital
Wheeling	Ohio	645	42	45.4	+4.1	90	25	12	11	54	2.20	−0.90	0.53	2.3	18	13	8	10	s.	Miss M. B. Forsyth
Woodlands	Marshall	637	2	......	......	......	......	......	......	......	2.29	......	0.53	0.8	15	8	8	15	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	3	......	......	......	......	......	......	......	3.27	......	0.67	6.0	10	12	5	14	sw.	H. S. Sutton
Bancroft	Putnam	574	25	47.2	+2.7	90	25	12	10	49	4.25	+0.31	0.95	3.0	11	16	0	15	ne.	R. E. Dent
Bluefield [e]	Mercer	2,558	34	48.4	+4.1	81	25†	10	11	46	3.16	−0.50	0.94	2.5	9	6	9	11	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	14	......	......	......	......	......	......	......	6.65	+2.20	1.60	......	8	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	26	50.1	+1.4	92	25	15	10	50	4.38	+0.06	1.02	......	10	18	0	13	......	R. O. Fields
Clay	Clay	706	13	......	......	......	......	......	......	......	4.44	+0.61	1.34	1.8	15	......	......	......	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	3	......	......	......	......	......	......	......	3.81	......	1.20	......	11	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	13	......	......	......	......	......	......	......	3.09	−0.91	0.74	6.0	11	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	13	......	......	......	......	......	......	......	3.36	−0.56	0.76	.	11	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	2	......	......	......	......	......	......	......	3.89	......	0.90	3.0	13	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	13	......	......	......	......	......	......	......	3.46	......	0.85	......	11	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	13	48.0	......	87	25	13	10	47	5.70	+2.16	2.00	T.	11	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	32	43.4	0	73	26	13	10	48	4.40	+0.35	1.73	......	13	16	1	14	......	Mrs M. L. McClung
Huntington	Cabell	538	32	52.6	+8.0	92	25	14	10	49	4.37	+0.04	1.25	1.5	10	11	8	12	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	10	......	......	......	......	......	......	......	3.67	......	0.84	......	12	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	13	......	......	......	......	......	......	......	4.74	−0.82	1.09	5.9	17	......	......	......	......	Cabin Creek Con. Coal Co
Kermit ††	Mingo	579	3	......	......	......	......	......	......	......	4.83	......	1.80	2.0	12	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	29	45.7	+3.7	81	25	8	10	40	3.91	−0.05	1.24	2.0	8	11	7	13	s.	Geo. T. Argabrite
Logan	Logan	700	26	......	......	......	......	......	......	......	5.08	−0.17	1.80	......	10	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	30	40.7	+2.4	78	25	2	10	42	4.80	+0.50	1.10	1.0	9	8	16	7	sw.	S. L. Brown
Organ Cave	Greenbrier	......	3	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. J. Hedrick
Point Pleasant	Mason	595	36	46.9	+1.5	80	15	12	8†	40	4.23	+0.08	0.96	......	10	18	2	11	sw.	Miss Grace E. Henson
Powellton	Fayette	904	35	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	6	49.6	......	87	25	11	10	52	3.55	......	0.80	......	11	16	0	15	nw.	Lockmaster
Robertsburg	Putnam	570	29	47.5	+2.9	90	25	11	10	49	3.41	−0.67	0.91	......	14	17	0	14	......	M. Frazier
Ryan	Roane	700	26	45.2	+1.3	88	25	7	10	51	3.92	−0.40	1.06	6.8	12	12	4	15	......	Wm. E. Ryan
Sharples	Logan	......	9	......	......	......	......	......	......	......	4.16	......	1.50	1.0	10	......	......	......	......	R. W. Howard
Spencer	Roane	789	25	47.6	+4.7	90	25	9	10	52	3.69	−0.25	0.85	4.0	13	5	8	18	......	A. M. McKown
Summersville ††	Nicholas	1,894	5	52.9[k]	......	82[k]	25	......	......	48[k]	......	......	......	......	......	......	......	......	......	J. H. Rohrabaugh
Sutton	Braxton	850	23	48.8	+3.2	91	25†	9	10	47	5.00	+0.97	0.92	9.0	14	17	0	14	......	C. B. Eakle
Union [e]††	Monroe	2,250	25	48.7	+5.7	86	25†	9	11	51	3.34	−0.40	0.81	2.0	10	8	9	9	......	W. M. H. Young
Wayne	Wayne	598	2	......	......	......	......	......	......	......	4.92	......	1.60	......	11	......	......	......	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	19	[a]46.4	+1.7	88[a]	24	7	9	51[a]	3.70	−1.42	0.95	......	9	22	1	8	......	H. E. Green
Williamson	Mingo	673	29	[a]54.1	+7.3	85[a]	23	23	8	41[a]	6.34	+1.74	2.20	T.	15	12	0	19	ne.	A. J. Maynard
State averages and	extremes	......	....	46.7	+3.9	92	25	−2	10	60	3.47	−0.42	2.20	4.8	12	12	6	13	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for March, 1929

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac	T.	03	.28	.19	1.18	.84	.19		T.	T.			.04	.09		1.09	.58			T.		.01	.08			.05				.05	1.46	6.19
Brandywine	do		.60		*	1.25				T.				T.	.20		T.	T.									.15		T.		.25		2.45
Harpers Ferry ‖	do	.08	.35	.16		.59	.90								.25											T.	T.	.16		.16	.09		2.74
Martinsburg‖	do	.15	.70	.30		.75	.80								.40	.10							T.	.10				.13			.18		3.61
Moorefield	do		.52		.18	.65	.65	.20						.10	.16												.15			.10			2.71
Perry	do		.88		.17	.71	.15	T.						.18	.12									.05			.12				.30		2.68
Piedmont	do		.08		.10	1.04								.11	.08		T.						T.	.42							.30		2.13
Romney ‖	do		.42			.17	1.40								.20									.18							.26		2.63
Stony River Dam	do		.48			.37	.10		.16						.35	.09	.07	.08						.50	.64						.52		3.36
Upper Tract	do				.42	.95									T.	T.	.10			T.										.15			1.62
Wardensville‖	do																																......
Northern Division																																	
Aberdeen	Monongahela	T.	.46		.37	1.26	.31	T.						.05	.16		.26	.05				T.	T.	.28			.53				.24		3.97
Alma (near)	Ohio	.02	.24		.16	.85								.11	.30		.30						.27	.13			.12				.19		2.69
Bens Run	do		.37		.21	.58								.25	.05		.13					.05	.37	.05			.12					.01	2.19
Brownsville	Monongahela	T.	.43		.38	1.08	.37	T.						.13	.18		.27	.09				T.	T.	.43			.26				.31		3.93
Bruceton Mills	do	T.	.08	.08										T.	T.		T.	T.				T.	.21	T.	T.		.13		T.		.28		†††
Buckhannon	do		.15		.45	1.65	.20	T.	.05	T.				T.	.26			T.				T.	.26	.15			.24						3.41
Cairo	Little Kanawha																																......
Clarksburg ‖	Monongahela		.21			.46	.77								.25	.03		.16						.16				.16			.19		2.39
Cortland ‖	do		.05		.51	.13	.16			.08				.41	.10		.30							.36			.34					.28	2.72
Crawford‖	Little Kanawha	T.	.76		.46	1.03		T.						.07	.16		.51				T.	T.	.18	.40			.34				.24		4.15
Creston ‖	Monongahela	T.	.35	T.	T	.80	.71	T.	T.					.10	.27	T.	.05	.06	T.					.44				.31	.10		.24		3.43
Dam 10, Mon. R.‖	Ohio	.11	.20			.20	1.33								.11	.04	.02	.32			.02			.28	.30			.12			.20		3.25
Dam 12, O. R.‖	do	.14	.19	.02		.54	36	T.	.04						.21	.02	.03	.07			.05		.09	.27	.10		.03	.18			.08		2.42
Dam 13, O. R ‖	Monongahela	.07	.20			.53	.30	.02	.01						.21	T.	.05	.01			.02		.03	.32	.02		.03	.15			.12	.01	2.13
Dam 15, Mon. R.‖	do	.08	.22	.08		.38	.72	.06	.08					.03	.12	.07	.03	.09					.06	.24	.04			.11			.18		2.59
Davis ‖	do	.06	.47	.20		.45	.83	.04			.04				.28	.10	.20	.10						.45				.35	T.		.46	.02	4.05
Elizabeth (D'm 3 L K)	Little Kanawha				.50	.35	.11							.04	.52		.11		.08				.03	.50				.41					2.65
Elkins ***	Monongahela	.01	.48		.26	1.18	T.	.01	T.	.01				.08	.11	T.	.36	.02			T.	.01	.28	.14			.18			.03	.26		3.42
Fairmont‖	do	T.	.22	.04		.32	.15	T.	T.		T.			T	.32	.05		.11					T.	.24	T.			.13			.33		1.91
Glenville ‖	Little Kanawha	T.	.22	.11		.92	1.53							.12	.14			.22					T.	.40	.04			.38			.27		4.35
Grafton‖	Monongahela																																......
Horner	do		.25		.50			.45			.60					.35			.15				.30			.40				.75			3.75
Horton	do		.49		.19	.55	.16	.04		.05				.08	.13		.09	.12						.29			.19				.28		2.66
Janelew (near)	do		.35		.15	1.45									.10		.15							.30			.35				.20		3.05
Lost Creek	do	T.	.28		.22	1.28	.05	T.		T.				.07	.14		.15	T.		T.	T.	.02	.10	.13			.25				.22		2.91
Mannington	do	.06	.23		.07	1.24	.01	.01	T.					.16	.21		.25				T.	.01	.11	.11			.09				.25		2.81
Morgantown	do	.35	T.		T	.37		T.	T.	T.				T.	.15		.15					T.	T.				.25						1.27
New Cumberland‖	Ohio	.03		.04		.60	.36	T.	.02		.02				.24	.03	.33				.12		.06	.20	.02		.47	.12			.23		2.89
New Martinsville	do	.10	.20		.20	.70		T.		T.				.10	.20		.15						.30				.10				.15		2.20
Parkersburg ***	do	.16	.08		.20	.89	T.	T.		T				.12	.21		.05	.01			.02	T.	.20	.09			.17			.07	.12		2.39
Parsons	Monongahela	T.	.16		.47	.30		.05		T.				.30	.40	.33	.52	T.				T	.34	.33			T.	.40					3.59
Parsons No. 2	do		.43		.23	.80	.10	.01	.02	T.				.05	.13		.42	.05				T.	.16	T.			.29				.34		3.03
Philippi	do		.02	T.	T.	.90	.90	T.	T.					.03	.19	.02	.12	.02	T.					.62	T.						.60		3.42
Pickens	do		.75		.35	.80		.08		T.				.52	.18		.43	.08					.45	.40			.40				.40		4.84
Roanoke	do		.30		.44	1.24	.20							.05	.17		.24	.13				T.		.57			.14				.29		3.77
Rowlesburg ‖	do	.07	.06	.08		.17	1.20		.04						.30	.07	.25	.35					.02	.24	.06			.38			.35		3.64
Saint Marys ‖	Ohio	.03	.30		.02	.46	.50	T.	T.					T.	.30	.03	.03	.12			.03		.01	.36				.18			.22		2.59
Terra Alta	Monongahela	.09	.30	T.	.09	.64	.13	.02	.01	.01				.10	.16		.48	T.			T.	T.	.08	.15			.29		T.		.26		2.81
Valley Chapel	do		.33	.25		.74	.22			.03				.05	.20		.20	.03	T.				T.	.30			.22				.22		2.79
Vandalia	do		.50		.43	1.13		.02						*	*		.66							.29							.28		3.31
Wellsburg	Ohio		.19		.74	.84								.18	.15		.32				.05	T.	.22	.55	.04		.39				.18	T.	3.85
West Milford	Monongahela		*		*	*	1.50								.15		.15						.30								.50		2.60
Weston	do					1.05	.75								.20			.25						.44	.10			.45			.22		3.46
Wheeling ‖	Ohio	.14	.20	.02		.53	.40	.01	.02		T.				.21	.01	.03	.08	T.		.02		.06	.21	.04		.01	.15			.06		2.20
Woodlands ‖	do	.08	.31	.02		.53	.33	T						.02	.26	.03	.03	.06			.04		.03	.28				.15			.12		2.29
Southern Division																																	
rbovale	Great Kanawha		.48		.10	.67	T.	T.	T.	T				.30	.55	.01	.05	T.						.49			.21				.41		3.27
ancroft ‖	do		.28			.95	.27							.08	.35	.05		.22						92	.10			.50			.53		4.25
luefield	do		.58		.09	.81			.03					.11	.35				.06					.94			.19						3.16
amden-on-Gauley ‖	do		.88	T.		1.10	.80			T.					.82	1.60								.44	.81			.20					6.65
harleston ‖	do		.22			.84	.74							.12	.22			.12						1.02	.22			.50			.38		4.38
ay ‖	do	.02	.47	.12		.53	1.34							.21	.03	.05	.04	.02	.07		.03			.93	.10			.48					4.44
am 6 G K. ‖	do	.02				1.20	.34							.12	.16	T.	.08	.10			.02			.95	.22						.60		3.81
am 19 O. R. ‖	Ohio		.40		T.	.74	.62	T.	T.					.05	.38		T.	.06	.02		.04		T.	.36			T.	.22			.20		3.09
am 20 O R. ‖	do	.04	.40		T.	.76	.72							.04	.34		T.	.12			.04			.46	T.			.22			.22		3.36
am 25 O. R. ‖	do	T.	.70		.01	.90	.59							.15	.36		.01	.03			.01			.61	T.		.20	.09			.23		3.89
am 26 O. R. ‖	do		.15			.85	.40							.11	.40		.04	.05						.85	.08			.18			.35		3.46
ry ‖	Big Sandy		.55		.11	.95	.32							.05	.45							.16		2.00	.47			.23			.41		5.70
nton ‖	do		.36	.05		.75	.32			.03				.13	.17	.31		.03	T.					1.61	.12			.14			.38		4.40
ntington ‖	Ohio		.18		.38	1.25								.21	.52		.06						.32	.90			.16			T.	.39		4.37
nawha Falls‖	Great Kanawha		.47			.70								.10	.06	.33	.15	.09	.03					.84	.20			.50			.20		3.67
yford‖	do	.01	.40	.08		.60	1.09			.01				.03	.09	.32	.17	.14	.01		.02	.13		.89				.59			.16	T.	4.74
rmit ‖	Big Sandy																																......
wisburg	Great Kanawha		.20		.75	.65	T			T.				.24	.37	T.		T.					T.	1.24			.08				.37		3.91
gan ‖	Guyandotte		.30			.78	.73							.03	.25	T.					.30	T.		1.70	.10			.47			.42		5.08
rlinton	Great Kanawha		.10		.72	.76		T.		T.				.58	.62		.22	T.			T.		T.	1.10			.18				.52		4.80
gan Cave	do																																......
nt Pleasant ‖	Ohio		.35		.10	.92	.96							.10	.38	T.	T	.10						.69	T.			.33			.30		4.23
wellton	Great Kanawha																																......
venswood (Dam 22	Ohio		.37			.80	.68							.10	.30	.05		.08	T.					.52	.12		.24				.29		3.55
ertsburg ‖	Great Kanawha		.21	.03		.91	.33							.10	.43	.02	.01	.04						.81	.03			.13			.34	.02	3.41
n	do	.02	.18		.55	1.06				T.				.15	.37		.08	.04					.29	.55			.22				.41		3.92
rples ‖	Coal River	T.	.40		T.	.81	.10	.05		T.				T.	.10			.15			.30			1.50				.40			.35		4.16
ncer ‖	Great Kanawha		.21	.16	T	.85	.32	.44						.07	.43	T.		.14	T.	.07	T.		T.	.43	.07			.18			.32		3.69
mersville	Gauley																																......
on	do		.65		.58	.92	.24	.08		.08				.15	.20		.50	.20					.15	.65			.22				.38		5.00
on	do		.16		.50	.81								.21	.20	.16			T.			.05		.65			.10				.50		3.34
ne ‖	Big Sandy	T.	.22		.02	.97	.84							.14	.31		.07	.09					T.	1.60			T.	.22			.44		4.92
te Sulpr. Spgs. ‖	Great Kanawha	.45			.80								.15	.30	.15	.10							.95	.20						.60			3.70
iamson ‖	Big Sandy		.25			.82	.63							.10	.30	.02		.05			.23	.05	.01	2.20	.19		.05	.54			.90		6.34

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for March, 1929

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	43	41	57	44	49	53	50	38	35	38	60	68	68	65	66	64	36	52	58	52	64	62	67	79	83	83	57	57	52	53	70	56.9
	Minimum	30	27	28	24	35	21	13	12	20	3	9	23	30	48	40	35	21	24	20	31	23	47	47	57	44	30	31	30	18	38	35	28.8
Brandywine	Maximum	45	45	52	52	45	54	52	45	42	45	55	56	56	58	52	57	52	50	55	54	65	70	80	87	88	77	75	65	55	50	64	58.0
	Minimum	25	28	20	38	32	17	25	17	28	7	24	28	30	42	15	40	28	20	23	30	25	45	44	47	43	45	28	34	22	38	37	29.8
Martinsburg§	Maximum	53	43	56	41	43	61	39	40	41	47	66	73	60	73	66	63	44	64	68	65	73	74	72	82	69	73	73	60	60	54	..	59.9
	Minimum	28	28	28	26	30	30	30	20	22	10	17	27	35	40	50	45	29	30	24	28	32	42	54	58	48	47	33	39	31	32	37	33.2
Moorfield	Maximum	54	51	59	56	41	64	63	44	46	51	68	75	73	76	75	73	51	64	69	65	72	79	74	89	87	89	69	67	63	60	70	65.7
	Minimum	28	32	23	33	38	28	29	20	25	9	8	33	41	52	49	48	31	29	24	35	27	58	53	51	50	52	31	38	19	42	46	34.9
Piedmont	Maximum	49	38	58	48	39	57	57	40	37	41	64	73	62	68	66	58	40	59	65	52	70	67	72	82	78	65	62	57	61	56	72	58.5
	Minimum	29	33	25	29	34	28	19	19	22	12	18	30	37	46	46	39	28	31	29	36	29	45	53	57	49	49	34	34	26	42	46	34.0
Romney §	Maximum	..	58	58	40	54	60	25	44	39	62	70	..	75	70	71	59	58	67	69	..	72	71	82	84	80	55	66	55	61	70	..	62.0
	Minimum	27	..	23	28	32	29	21	20	22	10	17	32	..	33	50	50	28	32	24	37	..	29	54	59	47	50	31	37	25	39	45	33.4
Upper Tract	Maximum	50	40	54	53	44	58	34	43	45	47	62	69	64	73	70	60	61	60	64	75	68	..	70	84	89	88	76	66	60	58	55	61.3
	Minimum	28	28	21	34	35	..	24	18	27	7	19	38	40	52	..	42	29	28	34	56	28	..	27	51	48	47	30	42	23	38	38	33.3
Wardensville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Northern Division																																	
Bens Run	Maximum	47	42	58	50	49	56	56	42	41	41	59	70	64	68	74	65	55	57	63	59	69	63	72	83	86	75	63	57	60	59	76	60.6
	Minimum	22	29	32	31	32	22	23	19	23	12	19	30	30	42	41	37	27	28	30	40	33	50	57	51	49	49	36	41	30	44	45	34.0
Buckhannon	Maximum	48	46	52	48	60	50	52	39	39	38	57	68	65	65	70	60	42	52	60	62	67	68	68	79	85	78	68	56	61	53	73	59.0
	Minimum	29	32	19	32	32	22	21	18	25	10	17	23	40	53	48	40	28	21	28	48	18	58	50	55	50	50	33	37	27	48	41	34.0
Cairo	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Clarksburg §	Maximum	33	35	33	52	44	58	29	42	37	43	63	73	66	66	75	53	42	41	45	51	68	68	70	84	88	61	62	55	62	57	78	55.9
	Minimum	27	32	20	28	33	20	28	8	22	7	12	23	34	45	44	42	30	23	25	30	28	43	56	51	42	53	32	35	25	38	40	31.5
Creston	Maximum	52	49	59	60	50	57	54	44	45	45	62	72	71	69	76	75	59	60	65	62	69	68	71	86	91	86	63	63	60	59	79	63.9
	Minimum	26	30	20	27	30	15	24	16	29	12	20	21	42	52	43	38	32	21	26	38	27	52	55	48	42	50	33	36	25	43	40	32.7
Elkins	Maximum	46	42	52	46	48	56	55	41	42	39	59	67	61	67	69	58	34	54	58	53	65	68	66	79	86	76	60	51	58	53	74	57.5
	Minimum	30	22	12	30	25	24	17	16	13	7	15	30	39	52	47	28	25	29	25	32	28	56	57	56	45	43	30	30	23	40	40	31.2
Fairmont§	Maximum	49	42	60	50	42	54	26	43	36	42	63	76	64	66	77	53	43	61	66	58	69	66	70	84	91	62	68	54	66	57	69	58.9
	Minimum	27	31	23	32	34	21	25	19	21	9	18	25	26	46	46	46	29	24	30	34	36	38	58	55	52	59	30	34	27	35	47	33.5
Glenville	Maximum	54	50	58	62	50	58	60	48	45	43	64	74	71	69	78	78	44	61	64	62	69	70	73	87	91	89	66	63	64	61	79	64.7
	Minimum	26	30	20	27	30	12	25	14	26	8	15	25	40	51	45	40	30	21	25	40	26	52	54	50	46	52	34	35	24	43	42	32.5
Grafton	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Lost Creek	Maximum	50	47	57	54	50	52	55	42	39	41	62	72	68	66	76	74	40	56	61	57	66	67	69	84	88	85	63	58	60	56	75	61.0
	Minimum	24	30	19	26	31	20	20	14	25	5	12	26	39	51	41	39	28	22	22	42	25	54	57	55	46	50	29	35	20	43	37	31.8
Mannington	Maximum	48	42	55	50	49	48	55	38	37	38	58	68	63	67	71	67	41	54	63	58	68	65	70	79	87	82	62	58	62	57	74	59.2
	Minimum	25	32	21	32	32	15	21	16	23	8	14	26	35	47	41	35	30	21	24	38	28	49	55	46	45	48	29	33	22	43	44	31.5
Morgantown	Maximum	44	46	56	52	50	48	47	36	37	35	59	66	66	64	76	68	39	57	64	60	68	64	70	79	87	81	61	59	63	60	75	59.3
	Minimum	30	30	26	40	30	22	17	16	19	8	24	35	53	58	49	34	27	27	37	41	42	45	56	58	61	43	34	42	26	42	46	36.1
New Cumberland§	Maximum	46	37	55	49	35	53	25	38	27	40	58	69	58	68	70	45	42	57	63	54	70	66	71	75	85	52	60	49	60	53	..	54.3
	Minimum	26	28	28	30	31	21	20	16	17	9	12	24	32	35	41	41	27	21	23	35	37	44	50	50	47	44	32	40	24	29	45	30.9
New Martinsville	Maximum	48	44	59	56	49	57	55	45	43	42	62	75	67	70	79	73	44	58	63	60	70	63	74	83	88	82	65	62	62	60	78	62.5
	Minimum	28	32	25	30	32	20	12	19	24	10	17	30	39	52	43	36	31	25	28	40	32	50	58	51	49	48	34	40	27	44	47	34.0
Parkersburg	Maximum	48	38	58	48	46	58	52	41	38	41	60	72	69	70	74	57	42	58	64	58	68	65	72	84	89	69	63	54	59	57	76	59.6
	Minimum	33	28	27	37	27	24	24	21	18	12	22	35	53	58	48	34	32	30	31	41	41	59	60	58	55	47	34	40	32	45	47	37.3
Parsons	Maximum	56	41	56	47	45	65	57	42	39	43	63	72	63	70	71	61	36	58	55	62	66	66	68	82	88	67	76	53	62	54	77	60.1
	Minimum	29	28	9	27	30	25	17	17	17	8	14	27	27	41	45	34	26	24	25	27	26	57	51	58	46	40	30	33	21	42	40	30.5
Pickens	Maximum	42	39	49	58	51	53	44	42	33	41	59	67	61	63	69	59	47	54	57	53	62	68	61	85	85	71	60	51	54	48	71	56.5
	Minimum	22	17	9	32	22	16	10	8	12	-2	16	29	44	51	42	25	19	13	25	31	25	40	49	51	47	40	25	31	31	35	32	27.3
Terra Alta	Maximum	42	41	48	49	47	50	50	34	35	33	56	67	65	63	65	64	34	50	58	52	63	60	64	75	82	79	55	52	52	49	71	55.0
	Minimum	28	24	12	25	28	21	11	11	15	4	14	26	34	53	41	32	21	24	49	37	32	50	58	56	45	43	30	37	19	37	42	30.7
Wellsburg	Maximum	46	45	56	50	47	51	54	38	39	39	58	68	59	68	72	62	42	56	63	58	68	63	69	77	87	82	62	53	62	56	73	58.8
	Minimum	26	31	24	28	32	22	18	18	22	8	26	34	31	22	38	25	28	23	26	38	30	47	51	51	45	43	29	36	22	43	44	31.0
Weston	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	70	72	70	43	60	62	55	65	68	69	82	88	80	62	58	60	55	75	66.4
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	55	45	45	30	35	31	30	29	58	56	55	60	50	32	30	26	45	46	42.0
Wheeling§	Maximum	50	38	60	52	39	55	33	44	34	44	64	76	61	72	77	51	48	62	65	60	73	64	73	84	90	57	68	53	65	55	79	59.6
	Minimum	30	30	24	30	30	20	20	17	19	18	12	22	32	42	40	40	28	22	27	22	34	45	55	52	47	50	30	32	22	27	44	31.1
Southern Division																																	
Bluefield	Maximum	50	50	..	48	48	55	55	45	45	..	56	57	60	64	69	68	..	57	57	54	62	68	67	..	81	81	65	63	55	47	..	58.7
	Minimum	33	28	..	22	29	26	31	16	33	..	10	42	51	55	52	41	..	24	35	40	40	54	54	..	35	57	48	45	33	39	..	38.2
Charleston§	Maximum	60	40	64	50	46	64	46	50	46	54	68	75	72	70	80	55	48	68	68	65	72	74	70	90	92	72	76	70	64	60	86	65.0
	Minimum	33	33	28	32	38	25	25	19	19	15	18	28	34	47	49	45	35	27	27	35	38	38	54	52	52	54	39	39	35	35	42	35.2
Gary §	Maximum	55	39	57	50	60	60	41	49	46	49	62	68	71	70	76	52	40	51	62	58	69	74	68	85	87	75	68	60	60	63	79	61.4
	Minimum	34	33	22	32	37	25	26	19	20	13	20	21	31	54	50	49	34	23	26	30	38	41	54	50	48	49	39	38	35	40	38	34.5
Hinton §	Maximum	55	38	63	46	50	65	42	50	20	53	32	67	57	69	70	50	33	68	63	63	57	57	51	50	61	73	71	40	59	40	50	53.7
	Minimum	32	33	23	24	37	25	26	17	20	13	14	22	32	53	50	46	33	20	20	35	36	38	51	49	48	50	40	40	33	34	38	33.2
Huntington	Maximum	52	45	62	56	55	64	60	60	44	47	63	75	74	71	79	75	75	63	67	64	70	69	74	88	92	86	86	65	69	56	82	67.4
	Minimum	31	34	26	35	35	28	31	18	30	14	21	30	49	58	50	41	33	25	33	43	34	55	58	52	51	55	37	47	35	45	40	37.9
Lewisburg	Maximum	48	46	50	46	55	54	64	42	41	45	58	60	57	60	64	65	39	56	58	55	64	71	65	80	81	75	60	60	55	56	69	58.0
	Minimum	29	27	15	28	30	25	28	15	26	8	18	28	50	50	47	39	29	21	26	38	31	48	53	49	46	55	33	44	25	39	36	33.4
Marlinton	Maximum	44	36	46	36	48	50	46	36	28	42	52	58	52	64	60	50	34	52	54	50	56	66	58	76	78	66	58	50	50	48	72	52.1
	Minimum	22	24	8	24	24	16	18	18	16	2	10	26	44	42	42	32	26	26	22	34	34	42	48	48	46	50	30	34	26	36	38	29.3
Point Pleasant	Maximum	60	50	40	65	55	60	52	52	50	50	55	70	70	70	80	70	60	58	60	70	70	60	60	70	78	78	70	60	50	57	57	61.5
	Minimum	30	30	25	35	30	22	15	12	18	12	20	39	42	55	55	40	30	25	30	35	30	25	25	50	60	50	30	35	25	42	30	32.3
Powellton	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Ravenswood	Maximum	49	45	57	56	48	55	72	43	43	43	59	72	72	70	74	74	68	58	63	62	65	66	71	83	87	86	85	62	59	59	76	63.9
	Minimum	30	32	28	34	32	14	26	17	30	11	20	29	47	57	46	37	36	25	30	35	34	55	57	51	50	51	33	34	27	44	41	35.3
Robertsburg§	Maximum	52	39	61	50	50	60	48	49	40	49	63	73	70	72	82	50	46	63	65	60	68	67	72	81	90	63	66	60	60	57	81	61.5
	Minimum	28	31	27	30	36	19	25	16	20	11	15	24	34	55	46	46	33	25	29	36	32	39	55	50	50	54	34	36	30	36	38	33.5
Ryan	Maximum	50	46	56	56	44	56	48	45	36	36	60	75	66	66	75	60	40	57	61	56	65	65	78	84	88	66	64	60	58	52	78	59.5
	Minimum	25	27	21	27	30	13	23	12	23	7	15	24	43	50	43	36	30	19	25	33	27	48	47	46	47	48	30	33	23	42	36	30.7
Spencer §	Maximum	53	41	59	50	45	60	35	45	39	44	62	72	70	60	72	53	43	64	64	60	68	68	71	85	90	61	65	60	66	78	68	60.4
	Minimum	27	30	28	31	35	18	21	15	29	9	17	30	50	55	50	45	31	25	24	40	29	55	57	53	50	55	31	45	26	26	40	34.7
Sutton	Maximum	53	53	58	58	50	59	59	46	46	46	60	69	69	70	77	77	45	59	67	67	68	68	68	86	91	91	63	63	60	60	79	64.0
	Minimum	29	32	20	29	32	12	26	20	30	9	16	29	40	46	47	40	30	23	21	40	29	55	56	51	48	47	36	35	26	44	40	33.5
Union	Maximum	49	52	..	55	55	57	58	44	45	..	60	61	62	66	67	69	..	58	62	59	65	72	72	..	86	86	65	65	62	58	..	61.9
	Minimum	31	31	..	16	35	25	32	15	30	..	9	30	51	55	50	42	..	23	27	46	31	49	54	..	45	55	35	44	28	39	..	35.5
White Sulphur Spgs§	Maximum	40	57	45	60	60	41	47	42	50	63	65	63	70	67	55	41	61	62	60	63	75	63	85	88	78	63	62	57	59	72	..	60.5
	Minimum	30	15	20	33	27	32	15	24	7	12	25	35	50	47	41	31	19	23	29	30	40	53	47	44	52	32	46	25	40	40	47	32.4
Williamson §	Maximum	55	61	61	48	48	61	43	42	49	48	64	71	73	70	80	65	64	64	68	70	71	72	85	80	76	73	72	73	66	65	..	64.6
	Minimum	36	35	38	41	41	31	36	23	30	25	26	30	43	58	53	54	36	36	38	40	52	56	60	62	62	59	57	53	55	45	40	43.6

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 4-26-29—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXVII PARKERSBURG, W. VA., APRIL, 1929 No. 4

GENERAL SUMMARY

April was much warmer and considerably wetter than usual. The precipitation was fairly well distributed throughout the month. Heavy rain over the eastern panhandle on the 15-17th, when the falls averaged about 3 inches, caused a moderate flood in the upper portion of the Potomac River. The stage at Harpers Ferry was 3.3 feet above the flood-line. The Ohio River was also at good stages during the month. The month was characterized by hail storms and winds. Farm work and plant growth made poor progress. Pastures and meadows, however, were in excellent condition at the close of the month.

TEMPERATURE

The monthly mean for the State, determined from 45 stations, was 55.4°. The departure from the normal for 39 stations having ten or more years of record was +3.9°. The temperature was below the normal on the 2d. The month was practically continuously warm from the 3d to the 14th, the temperature being unusually high from the 5th to the 8th. The temperature was generally somewhat below the normal from the 14th to the 24th, except the 20th-21st. The temperature averaged nearly normal during the last week. The lowest readings were on the 2d, 19th and 23d.

PRECIPITATION

The average precipitation for the State, determined from 84 stations, was 4.54 inches. The departure from the normal for 58 stations having ten or more years of record was +1.15 inches. The precipitation was heaviest over the northeastern counties. The snowfall was unimportant except in the mountain region. Most of the precipitation was received on the 4-5th, 9-11th, 15-17th, 21st-22d, 25-26th, and the 28-29th, the greatest amounts falling on the 5th, 16th, and 22d.

LIGHT HAIL

Light hail fell in sections of the following counties on dates indicated: April 21.–Cabell, Lewis, Mason, McDowell, Wood, and Pocahontas. April 22.–Lewis, Randolph, Summers, and Upshur. April 25.–Lewis, Pocahontas, and Wirt. April 28.–Grant, Lewis, Hancock, Mason, Randolph, and Upshur.

HEAVY HAIL

Late on the afternoon of April 21 a hail and wind storm passed from Ohio eastward over all the central counties of West Virginia to the Virginia line, the hail and wind being destructive in localities. Roofs were damaged, light buildings and fences blown over, and windows broken. In the Kerens district of Randolph County much damage was done to tar-roofs and windows. Stones half as large as a hen-egg were picked up hours after the storm. At Marlinton light houses were blown over, several roofs blown off, and many windows broken. The damage from this storm was fully $50,000.

On April 25th a severe hail and wind storm moved over Moundsville and vicinity, doing much damage. The United States Stamping Company plant was partly unroofed, causing a loss of about $15,000. It was reported that 40,000 panes of glass were broken in Moundsville and vicinity.

MISCELLANEOUS PHENOMENA

Fogs, dense: Clay, 5th; Hinton, 5th; New Cumberland, 15th; Wheeling, 13th.

Sleet: Horton, 25th; Upper Tract, 16th.

Thunderstorms (dates and number of stations reporting): 1st, 1; 4th, 19; 5th, 5; 6th, 1; 8th, 3; 9th, 3; 10th, 3; 11th, 4; 12th, 3; 14th, 1; 20th, 1; 21st, 11; 22d, 13; 25th, 10; 26th, 3; 28th, 8; 29th, 3.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity Miles per hour	Max. velocity Direction	Max. velocity Date
Cincinnati, Ohio...	29.94	73	53	58	234.0	59	6,465	9.0	36	sw.	1
Columbus, Ohio...	29.94	78	59	61	184.5	46	7,922	11.0	40	nw.	28
Elkins............	29.95	74	53	59	199.0	50	5,104	7.1	37	sw.	1
Lexington, Ky.....	29.96	73	56	....	396.1	59	10,580	14.7	52	w.	1
Parkersburg.......	29.95	70	45	53	188.7	47	4,944	6.9	34	nw.	28
Pittsburgh, Pa.....	29 93	73	62	59	191.4	48	8,565	11.9	53	w.	1
Wytheville, Va....	29.94	72	50	54	236.0	60	5,458	7.6	33	sw.	1

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891............	52.0	.....	.....	2.81	.....	.....	.....	.....	.....	.....	.....
1892............	50.6	87	17	4.28	.....	.....	.....	7	.....	.....	.....
1893............	53.4	92	20	5.18	8.98	2.91	0.8	14	8	8	14
1894............	50.6	90	14	3.32	5.30	1.97	1.6	11	12	8	10
1895............	52.9	90	17	2.93	5.47	0.90	.....	9	11	9	10
1896............	57.7	95	12	2.06	4.35	0.82	.....	8	13	12	5
1897............	51.5	90	19	2.97	7.10	1.58	.....	9	11	10	9
1898............	48.0	86	2	3.14	4.86	1.40	.....	11	10	9	11
1899............	53.4	93	18	1.84	3.17	0.92	0.5	7	13	9	8
1900............	51.8	88	16	1.35	2.08	0.43	T.	8	14	7	9
1901............	47.5	95	18	7.05	10.70	2.50	6.0	12	10	4	16
1902............	49.8	96	21	3.06	4.57	1.53	10.0	7	10	10	10
1903............	51.3	91	8	4.47	7.30	2.29	0.4	11	11	8	11
1904............	47.7	82	12	3.15	5.71	1.12	1.3	12	9	9	12
1905............	52.2	89	14	2.78	5.57	1.10	1.5	11	11	9	10
1906............	54.1	92	15	3.16	6.59	0.57	0.3	8	15	8	7
1907............	45.6	92	10	3.49	6.66	1.42	6.1	12	8	8	14
1908............	54.8	92	18	4.30	8.02	0.77	0.3	11	13	8	9
1909............	53.0	93	10	5.04	8.57	1.70	2.4	13	10	11	9
1910............	53.2	91	16	3.39	9.07	1.63	0.6	11	10	8	12
1911............	49.5	88	6	4.29	7.00	0.83	1.5	14	9	8	13
1912............	55.4	88	20	4.03	8.00	1.09	0.2	10	11	10	9
1913............	52.4	92	12	2.99	5.48	1.61	0.1	10	14	6	10
1914............	52.1	93	16	4.63	10.05	1.29	0.1	11	10	9	11
1915............	55.5	101	10	1.93	5.69	0.10	T.	7	15	8	7
1916............	50.5	90	17	3.07	5.70	1.25	4.3	12	9	7	14
1917............	51.7	90	10	2.99	5.31	1.29	1.8	9	13	8	9
1918............	50.3	85	18	5.11	9.14	1.88	10.4	15	9	7	14
1919............	51.8	90	10	2.44	4.21	1.03	0.2	9	12	8	10
1920............	49.7	91	15	4.91	7.26	1.64	1.2	14	8	7	15
1921............	55.7	95	10	2.50	5.09	0.40	0.4	9	13	7	10
1922............	54.4	91	15	3.15	6.76	0.50	0.1	9	13	7	10
1923............	50.1	88	− 4	3.45	4.88	1.00	0.1	8	16	5	9
1924............	50.5	88	12	3.24	6.37	0.72	3.6	12	12	6	12
1925............	54.9	101	6	2.89	4.48	1.42	0.6	10	14	6	10
1926............	47.1	87	8	2.44	5.54	0.80	2.5	10	10	8	12
1927............	52.0	91	16	5.93	10.21	2.52	0.2	15	9	7	14
1928............	48.6	88	11	5.08	8.00	2 57	11.4	12	11	7	12
1929............	55.4	94	18	4.54	8.78	2.09	0.8	13	12	7	11
1891-1929..........	51.8	101	− 4	3.57	10.70	0.10	2.2	11	11	8	11

Climatological Data for April, 1929

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	28	[a]50.9	+3.2	81[a]	8	25[a]	23	44[a]	8.68	+4.79	1.67	8.0	14	9	5	16	sw.	U. G. Clark
Brandywine	Pendleton	1,586	13	54.4	+4.6	90	7	26	22†	54	4.05	+1.41	...	0	7	17	1	12	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	40	...	...	...	...	...	...	...	6.09	+3.12	1.96	0	12	...	...	...	...	J. C. Newcomer
Martinsburg	Berkeley	435	37	[a]54.4	+1.9	92[a]	7	33	20†	44[a]	5.77	+2.73	2.00	0	11	19	5	6	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	33	58.1	+3.3	92	7†	31	19†	48	4.93	+2.10	...	0	9	25	0	5	...	M. S. Henkel
Perry	Hardy	...	1	...	...	...	...	...	...	...	5.75	...	...	1.0	13	15	6	9	w.	W. R. Paddock
Piedmont	Mineral	1,053	16	54.6	+3.5	86	6†	32	2	41	7.40	+4.38	1.83	0	12	12	9	9	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	31	[d]54.7	+3.1	90[d]	7	31[c]	23†	46[g]	6.72	+3.86	2.35	0	9	12	6	12	...	George E. Bergdoll
Stony River Dam	Grant	3,300	9	...	...	...	...	...	...	...	8.78	...	1.42	11.0	14	7	7	16	w.	A. C. Becker
Upper Tract	Pendleton	1,230	30	[b]55.2	+4.1	87[a]	7	27[b]	23	46[b]	3.20	+1.18	1.10	0	7	15[d]	1[d]	10[d]	w.	J. M. Mallow
Wardensville	Hardy	1,200	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	5	...	...	...	...	...	...	...	4.80	...	0.83	T.	15	8	12	10	w.	L. Else Bond
Alma (near)	Tyler	...	2	...	...	...	...	...	...	...	4.12	...	0.70	0	16	8	9	13	...	D. N. Furbee
Bens Run	Pleasants	652	27	56.9	+4.7	86	6	29	2	41	3.85	-0.23	0.57	0	12	14	9	7	...	J. D. Riggs
Brownsville	Lewis	1,032	6	56.7	...	86	7†	23	19	47	3.29	...	0.63	T.	13	19	3	8	...	George M. Myers
Bruceton Mills	Preston	1,549	12	...	...	...	...	...	...	...	5.27	+1.57	1.00	T.	11	5	12	13	w.	W. M. Wolf
Buckhannon	Upshur	1,411	32	54.7	+3.6	81	6†	28	19	40	5.02	+0.76	0.78	0	12	15	5	10	...	H. A. Darnall
Cairo ††	Ritchie	680	30	56.4	+1.6	86	7	25	19	46	4.12	+0.44	0.79	0	14	11	12	7	...	O. C. Hess
Clarksburg	Harrison	1,015	7	54.2	...	83	6†	24	19	47	4.58	...	1.14	0	16	12	10	8	w.	Clarksburg Water Board
Cortland	Tucker	3,300	18	...	...	...	...	...	...	...	5.06	+1.54	1.25	10.0	10	0	27	3	...	G. W. Harmon
Crawford	Lewis	1,107	6	...	...	...	...	...	...	...	4.13	...	0.81	T.	12	11	14	5	sw.	George W. Blair
Creston	Wirt	640	27	[g]58.0	+5.0	88	7	26[g]	19	47[g]	3.70	-0.31	0.67	T	12	21	0	9	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	8	...	...	...	...	...	...	...	5.52	...	0.93	0	11	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	13	...	...	...	...	...	...	...	4.99	+1.97	1.15	0	17	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	13	...	...	...	...	...	...	...	4.07	+1.06	0.93	0	14	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	8	...	...	...	...	...	...	...	4.59	...	0.75	0	16	...	...	...	...	Lockmaster
Davis	Tucker	3,093	20	...	...	...	...	...	...	...	7.32	+3.35	1.17	7.5	12	...	...	...	...	Ross C. Male
Elizabeth (Dam 3 L. K.)	Wirt	615	17	...	...	...	...	...	...	...	2.84	-0.78	0.83	0	10	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	28	52.6	+3.8	82	7	26	19	44	4.49	+0.87	1.00	0.5	14	4	13	13	w.	U. S. Weather Bureau
Fairmont	Marion	883	23	56.3	+4.6	90	7	28	19	47	4.71	+1.37	0.80	0	16	9	5	16	w.	J. C. Robinson
Glenville	Gilmer	738	35	58.6	+5.2	88	6†	25	19	50	5.28	+1.54	0.98	0	16	14	11	5	w.	Howard R. Brannon
Grafton	Taylor	1,000	36	[a]52.8	+1.5	82[a]	6	22	18	45[a]	4.35	+0.66	0.78	0	8	11	10	9	w.	Curtis Boice
Horner	Lewis	1,044	6	...	...	...	...	...	...	...	5.05	...	0.82	0	14	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	4	...	...	...	...	...	...	...	5.05	...	1.41	7.8	12	15	0	15	w.	J. W. White
Janelew (near)	Lewis	1,020	6	57.9	...	87	8	23	19	47	4.33	...	1.15	0	10	16	7	7	sw	Dan Burkholder
Lost Creek	Harrison	1,026	31	57.9	+7.7	84	8	22	19	49	5.24	+1.88	0.80	0	15	14	4	12	w.	Allen Smith
Mannington	Marion	985	26	54.2	+3.0	84	6	24	19	46	5.48	+1.51	0.90	0	16	8	7	15	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	36	55.6	+4.4	84	7	30	19	37	5.03	+1.81	0.90	0	10	2	12	16	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	31	[a]51.6	+2.3	85[a]	6†	26	19	43[a]	5.35	+2.08	1.03	T.	17	10	4	16	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	35	56.6	+3.3	87	6	27	19	45	4.75	+1.16	0.85	0	13	9	4	17	n.	Wm. Ankrom
Parkersburg	Wood	638	42	57.2	+3.8	87	6	31	19	37	2.81	-0.35	0.66	0	15	11	4	15	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	29	53.6	+4.9	83	7†	26	19	48	6.34	+2.49	2.00	1.0	11	11	8	11	...	J. W. Swisher
Parsons No. 2	Tucker	...	3	...	...	...	...	...	...	...	6.64	+2.79	1.23	T	15	12	7	11	...	Robert T. Deem
Philippi	Barbour	1,550	32	...	...	...	...	...	...	...	6.04	+2.11	1.12	T.	14	...	...	...	...	H. F. Brittingham
Pickens[a]	Randolph	2,697	26	50.4	+2.2	83	7†	18	19	47	6.34	+1.30	1.50	10.0	11	11	10	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	6	...	...	...	...	...	...	...	4.04	...	0.80	0	15	14	9	7	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	42	...	...	...	...	...	...	...	6.96	+2.92	1.56	6.0	15	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	20	...	...	...	...	...	...	...	3.67	+0.23	0.67	0	14	...	...	...	sw.	Wm. Hughes
Terra Alta	Preston	2,559	28	50.4	+3.2	79	8	25	2	42	6.27	+2.25	1.32	3.4	13	3	11	16	w.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	6	57.2	...	87	8	24	19	47	4.56	...	0.92	0	12	12	12	6	w.	J. C. Campbell
Vandalia	Lewis	1,120	6	...	...	...	...	...	...	...	3.99	...	0.73	0	11	...	...	...	...	Creed H. McCue
Wellsburg	Brooke	668	22	54.2	+5.6	85	6†	25	18	43	4.50	+1.45	1.00	0	14	12	7	11	w.	George P. Pfister
West Milford	Harrison	979	4	...	...	...	...	...	...	...	4.98	...	1.50	0	10	3	23	4	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	34	57.2	+4.7	86	8	27	19	42	4.79	+0.74	1.30	0	10	...	...	...	...	Weston State Hospital
Wheeling	Ohio	645	42	...	...	...	...	...	...	...	4.48	+1.35	0.84	T.	17	...	...	...	...	Miss M. B. Forsyth
Woodlands	Marshall	637	2	...	...	...	...	...	...	...	5.40	...	0.91	0	16	7	14	9	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	3	...	...	...	...	...	...	...	3.35	...	0.82	1.5	15	16	7	7	sw.	H. S. Sutton
Bancroft	Putnam	574	25	56.8	+3.3	90	6	28	2†	52	3.38	-0.45	0.83	0	12	18	0	12	ne.	R. E. Dent
Bluefield [d]	Mercer	2,558	34	56.0	+2.8	81	6†	30	19	37	3.57	-0.26	1.23	0	15	14	6	6	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	14	...	...	...	...	...	...	...	3.37	-0.16	1.05	0	4	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	26	59.9	+3.3	93	8†	32	19	52	3.16	-0.27	1.12	0	15	15	0	15	...	R. O. Fields
Clay	Clay	706	13	...	...	...	...	...	...	...	3.49	+0.15	0.65	0	14	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	3	...	...	...	...	...	...	...	2.99	...	0.90	0	13	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	13	...	...	...	...	...	...	...	3.30	-0.27	0.64	0	14	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	13	...	...	...	...	...	...	...	3.76	+0.28	1.02	0	15	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	2	...	...	...	...	...	...	...	3.52	...	0.66	0	13	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	13	...	...	...	...	...	...	...	3.53	...	0.70	0	14	...	...	...	...	U. S. Engineer Office
Gary	McDowell	1,426	13	56.2	...	85	6†	28	19	43	3.47	-0.05	1.15	0	13	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	32	[a]54.0	+1.1	92[a]	8	30	19	49[a]	2.57	-0.71	0.59	0	14	19	2	9	...	Mrs M. L. McClung
Huntington	Cabell	538	32	61.4	+7.4	89	7	22	2	54	2.81	-0.80	0.62	0	13	7	15	8	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	10	...	...	...	...	...	...	...	4.29	...	1.55	0	9	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	13	...	...	...	...	...	...	...	4.12	-0.40	0.95	0	14	...	...	...	...	Cabin Creek Con. Coal Co
Kermit	Mingo	579	3	...	...	...	...	...	...	...	2.77	...	0.80	0	8	...	...	...	...	E. B. Kirk
Lewisburg	Greenbrier	2,250	29	54.5	+3.4	82	6	28	23	43	4.03	+0.59	0.85	0	11	18	5	7	sw.	Geo. T. Argabrite
Logan	Logan	700	26	...	...	...	...	...	...	...	2.09	+2.71	0.70	0	9	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	30	50.1	+3.3	80	7	22	3†	44	4.16	+0.71	0.92	T.	11	8	19	3	sw.	S. L. Brown
Organ Cave	Greenbrier	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	J. J. Hedrick
Point Pleasant	Mason	595	36	55.6	+0.7	85	6†	28	19	38	2.57	-0.71	0.50	0	11	10	9	11	ne.	Miss Grace E. Henson
Powellton	Fayette	904	35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	584	6	58.6	...	89	1	23	19	42	3.04	...	0.55	0	13	10	0	20	ne.	Lockmaster
Robertsburg	Putnam	570	29	57.6	+4.7	87	7	27	2	45	2.36	-1.38	0.51	0	14	15	5	10	...	M. Frazier
Ryan	Roane	700	26	54.7	+2.3	85	7†	24	19	48	5.71	+1.86	1.02	0	16	12	8	10	...	Wm. E. Ryan
Sharples	Logan	...	9	...	...	...	...	...	...	...	2.53	...	0.85	0	9	...	...	...	...	R. W. Howard
Spencer	Roane	789	25	57.2	+4.7	86	7†	27	19	45	3.15	-0.48	0.41	0	11	6	13	11	...	A. M. McKown
Summersville ††	Nicholas	1,894	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	J. H. Rohrabaugh
Sutton	Braxton	850	23	58.4	+5.1	88	7†	27	19	48	5.10	+0.91	0.95	0	15	15	0	15	...	C. B. Eakle
Union [d]	Monroe	2,250	25	56.2	+5.6	86	6†	27	23	45	3.50	+0.61	0.90	0	8	11	11	4	...	W. M. H. Young
Wayne	Wayne	598	2	...	...	...	...	...	...	...	4.25	...	1.19	0	13	...	...	...	...	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	19	[a]54.2	+3.0	87[a]	7	25	2	50[a]	3.85	+0.77	0.85	0	11	20	4	6	...	H. E. Green
Williamson	Mingo	673	29	57.4	+2.4	94[a]	9	35	2	42[a]	6.13	+2.24	2.60	T.	14	16	0	14	se.	A. J. Maynard
State averages and	extremes	...	...	55.4	+3.9	94	9	18	19	54	4.54	+1.15	2.60	0.8	13	12	7	11	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for April, 1929

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard|||	Potomac					1.13	.19				1.17	.84				.03	1.04	1.67	.02		.04	.23	1.24	T.		.03	.94		T.	.11			8.68
Brandywine	do	T.			.35							T.				*	2.50	.10				.10				.75			.25				4.05
Harpers Ferry |||	do					.52	.23				.12	.11	.29			.05	1.96	1.46				.61	.73				.25			.36			6.69
Martinsburg|||	do					.60	.35				.22	.10	.22			.15	2.00	.75					.60				.28			.50			5.77
Moorefield	do				.55	.14					.20					*	3.00					.09	.52				.18		.25				4.93
Perry	do				.50	.12				.44	.04	.02				.88	*	2.50				.10	.45			.13	.16		.41				5.75
Piedmont	do				.82	.32				1.10	.65	.12				1.10	1.83	.02				.17	.44			.19			.64				7.40
Romney |||	do					.90					.58	.22				.48	2.35	1.35								.25			.35	.24			6.72
Stony River Dam	do					.80	.62				1.30	.44	.06			.42	1.12	.76				.85	1.12				.46	.15	.23	.15			8.78
Upper Tract	do								.25	.35					T.	.90	1.10	T.				.25	.10						.25				3.20
Wardensville |||	do																																......
Northern Division																																	
Aberdeen	Monongahela	.04			.64	T.				.24	.10	.01	.03			.30	.83	.46			T.	.38	.81			.08	.66		.08	.14			4.80
Alma (near)	Ohio	.15			.70	.06			.20	.39	.12	.05	.10			.42	.46	.13				.55	.05			.06	.17		.51				4.12
Bens Run	do	.06			.53	.20			.50	.41	.14				.10	.57						.21				.38	.21		.54				3.85
Brownsville	Monongahela	.03			.63					.12	.16	T.	.05		T.	.30	.56	.20	T.			.03	.58			T.	.43		.02	.18			3.29
Bruceton Mills	do	T.			.84	.20				.60		.15			T.	1.00	.39	.29	T.			.75				.30	.48		.27	T.			5.27
Buckhannon	do	.11			.78				T.	.16	.28	T.			T.	.66	.61	.41				.20	.65			.46	.40		.30				5.02
Cairo	Little Kanawha	.05		T.	.55	.15			.11	.66	.15	.01	.10		T.	.15	.73	T.				.79	.03			.40			.24				4.12
Clarksburg |||	Monongahela	.01				.52	.14			.14	.32	.03	.02		T.	.35	.42	.40	T.			.26	1.14			.03	.63		.04	.13			4.58
Cortland |||	do					1.03				.30						.60	.48	.32					1.25			.30	.40		.25	.13			5.06
Crawford|||	Little Kanawha	.10			.70						.58				.02	.24	.81	.32				.11	.45			.39			.33	.08			4.13
Creston	Monongahela	T.				.52				.27	.31	T	.23	T.		.36	.21	.30				.12	.67			T.	.46	T.	.12	.13			3.70
Dam 10, Mon. R.|||	Ohio					.82					.85	.10	.14			.42	.43	.93				.03	.93				.63			.24			5.52
Dam 12, O. R |||	do	.03				1.15				.13	.82	.01	.08		.05	.39	.06	.28			.05	.35	.63			.02	.59	.03	T.	.32			4.99
Dam 13, O. R |||	Monongahela					.93				.16		.07	.10			.40	.35	.30			.10	.30	.42			.06	.52		.01	.35			4.07
Dam 15, Mon. R.|||	do					.75	.10			.27	.36	.08	.12		.04	.41	.42	.53				.12	.47			.04	.56		.06	.26			4.59
Davis |||	do					.85	.45				.91	.20					1.17		1.09	.05		.20	1.10				.90	.10	.30				7.32
Elizabeth (D'm 3 L K.	Little Kanawha		.04			.83				.21	.40					.42	.09	.16				.23					.33			.13			2.84
Elkins ***	Monongahela	.05			.76				.07	.13	.38	T.	T.		.11	.29	.98	.22	T.		T.	.53	.10			.19	.17		.51				4.49
Fairmont|||	do	T.				.80	.22			.31	.33	.09	.10		.02	.42	.40	.50				.15	.55			.03	.58	T.	.03	.18			4.71
Glenville |||	Little Kanawha	.09			.12	.98				.03	.42		.09			.38	.41	.72				.06	.68			.04	.46	.08	.49	.32			5.28
Grafton|||	Monongahela				.78					.60	.34	T.				.34	.70				.48	.70							.41				4.35
Horner	do		.27		.65				.45		.50		.18			.15	.35	.75			.08	.82				.22	.18		.20	.25			5.05
Horton	do				.55	.24				.04	.41					.38	1.44	.22	.08			T.	.48			T.	.70		.40	.11			5.05
Janelew (near)	do				.60					.35						.40	.75					.50	.75			.18	.55		.10	.15			4.33
Lost Creek	do	.04			.71	T.				.67	.27	T	.04		.04	.46	.69	.18				.50	.80			.03	.63		.12	.06			5.24
Mannington	do	.03			.86	.10				.63	.27	.15	.13			.77	.52	.21				.40	.33			.10	.63		.27	.08			5.48
Morgantown	do				.90	T.				.73	.15	T.				.70	.65	.35			T.	.50	.45			T.	.50			.10			5.03
New Cumberland|||	Ohio	.15	.01			1.03				.22	.48		.20	.23	.12	.37	.41	.21			.05	.28	.32			.07	.92			.28			5.35
New Martinsville	do				.85				.45	.65	.30		.10			.50	.80	.10		.10		.35	.20			.20	.15						4.75
Parkersburg ***	do	.15		T.	.36				.03	.31	.12	.04			.08	.49	.09				.03	.62	.04			.24	.13		.11				2.84
Parsons	Monongahela	.61			.51	.49			.45	.50	.55	T.			T.	.45	.08	T.				.25	2.00						.45				6.34
Parsons No. 2	do	.07			.70	.36				.28	.63				.01	.42	1.23	.24			T.	.34	1.20			.12	.68		.22	.14			6.64
Philippi	do	T.	T.			.85	.10			.10	.45	T.	.11			.30	.62	.98				.28	.79			.05	1.12		.10	.19			6.04
Pickens	do	.16			.69					.23	.68				T.	.31	.70	.30				1.50	.47				.55		.75				6.34
Roanoke	do	.02			.80					.17	.22		.04			.33	.75	.23	.02			.04	.60			.02	.33		.38	.09			4.04
Rowlesburg |||	do					.92	.18			.09	.90	.48				.21	.72	.93				.29	.92				.86	.10	.02	.34			6.96
Saint Marys |||	Ohio	.13			T.	.52				.22	.44	T.	.03			.51	.15	.20				.14	.67			.04	.23		.05	.34			3.67
Terra Alta	Monongahela	T.			1.06	.13				.62	1.32	T.		T.	T	.37	.60	.22	T.		T.	.60	.41			.08	.60		.20	.06			6.27
Valley Chapel	do				.45					.30	.15		.08			.41	.56	.20				.62	.92			.74			.05	.08			4.56
Vandalia	do	.31			.54					.18	.22	.16			.33		.73	.32				.40				.12			.68				3.99
Wellsburg	Ohio	.03			1.00	T.			.03	.23	.58	.10		.27		.60	.11				.86					.35	.04		.22	.08			4.50
West Milford	Monongahela						.80			.30	.15				.05	.50		.70				.68			1.50				.10		.20		4.98
Weston	do					.65					.38		.12			.20	.42	.72					1.30				.73		.05	.22			4.79
Wheeling|||	Ohio	.03				.84				.13	.82	.01	.08		.04	.35	.11	.35			.08	.28	.45			.02	.54	.03	T.	.32			4.48
Woodlands |||	do	.04				.70				.90	.91	.03	.06			.45	.40	.33			.15	.18	.34				.45	.02	.02	.42			5.40
Southern Division																																	
Arbovale	Great Kanawha	.07			.39					.01	.05	.03			.01	.44	.82	T.	.05			.05	.34			.40	.12		.44	.13			3.35
Bancroft |||	do	.28				.48				.15	.24		.83			.22		.13				.19	.45			.07	.18		.16				3.38
Bluefield	do	.24	.02		.03	.46						.01	.10			.13	.33	.05	.02	.01			.78			.08	.08			1.23			3.57
Camden-on-Gauley|||	do					.82					.40												1.10							1.05			3.37
Charleston |||	do	.24				1.12				.10	.12		.04			.08	.08	.30				.06	.64			.04	.12	.08	.24	.20			3.46
Clay |||	do	.06				.60				.15	.05					.45	.35	.44				.18	.65			.04	.12	.06	.26	.08			3.49
Dam 6 G. K. |||	do	.18				.90				.25	.20		.10			.08	.04	.22					.54			.07	.08		.21	.12			2.99
Dam 19 O. R. |||	Ohio	.26				.54				.18	.40	.14	T.			.64	.13	.04				.04	.54			.04	.22		.10	.03			3.30
Dam 20 O. R. |||	do	.13				.66				.06	.46	.08			.04	.52	.10	.08				.06	1.02			.03	.40		.08	.04			3.76
Dam 25 O. R. |||	do	.25				.55				.15	.55	.04	T.			.66	.07	.03				.06	.65			T.	.27		.16	.08			3.52
Dam 26 O. R |||	do	.04				.70				.50	.28	.03	.45			.40	.18	.10				.05	.45				.10		.20	.05			2.53
Gary|||	Big Sandy	.05				.40					.03		.15				.35	.07	.02			.05	.60			.15	.25		1.15	.20			3.47
Hinton |||	do	.02	.02			.38					.01					.06	.28	.10	.01				.55	.04		.08	.07		.43	.52			2.57
Huntington |||	Ohio	.08		T.	.62				.03	.18	.37	T	.20		T.	.28	.12	T.				.20	.30			.14	.01		.28				2.81
Kanawha Falls|||	Great Kanawha					1.55				.04	.10		.23				.24	.64					.90						.43	.16			4.29
Kayford|||	do		.09			.95				T.	.02		.11			.04	.32	.61	T.			.01	.77	.09		.04	.10		.55	.42			4.12
Kermit |||	Big Sandy				.80				.05	.08		.12			.68	.06						.70							.28				2.77
Lewisburg	Great Kanawha				.85						.02	.02				.37	.62					.21	.67			.30	.07		.75	.15			4.03
ogan |||	Guyandotte	.15				.05							.10			T.		.38				.05	.70				.50		.05	.11			2.09
Marlinton	Great Kanawha	.12			.42					T.	.08	T.				.28	.62	.04	T.			.58				.48	.56		.92	.06			4.16
rgan Cave	do																																......
oint Pleasant |||	Ohio	.04				.35					.40					.48	.10	.10				.10	.50				.20		.20	.10			2.57
owellton	Great Kanawha																																......
avenswood (Dam 22	Ohio	.04				.36				.03	.30		.19			.20	.21	.10				.16	.40				.55		.10	.40			3.04
obertsburg |||	Great Kanawha	.01				.51				.09	.32		.29			.30	.02	.04				.03	.51			.02	.06		.14	.02			2.36
yan	do	.75			.78	.33				.29	.25	.58	1.02		.01	.19	.29					.65	.13			.17	.07		.19	.01			5.71
harples|||	Coal River	.20				.22					.10		.15			T.	.09	.29					.56						.07	.85			2.53
pencer |||	Great Kanawha	.07			T	.36				T.	.36	T.	.41			.25	.20	.22					.36			T.	.37		.15	.40			3.15
ummersville	Gauley																																......
tton	do	.15			.55					.25	.35	.25				.25	.95	.55	.10			.20	.70			.10	.30		.20	.20			5.10
ion	do	.05				.47					T.	T.				.18	.72						.60			.12	.46			.90			3.50
ayne|||	Big Sandy	.09				.95				.61	.20		.06			.22	.05	.09					1.19			.07	.29		.34	.09			4.25
hite Sulpr. Spgs |||	Great Kanawha				.75					.05					.15	.85	.35				.05	.55			.10	.20			.65		.15		3.85
illiamson |||	Big Sandy	.35				2.60				.02	.15		.15			.08	.18	.10	.01			.04	1.30				.20	.05		.90			6.13

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for April, 1929

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	72	54	65	67	68	79	80	81	78	58	45	..	63	67	60	52	41	43	77	46	41	72	62	70	74	74	72	71	61	75	..	64.4
	Minimum	41	26	32	38	51	61	48	40	52	45	37	..	33	39	31	28	32	32	42	31	30	38	25	26	43	42	34	38	39	31	..	37.4
Brandywine	Maximum	75	60	75	76	80	86	90	89	85	80	64	65	71	70	52	37	45	48	55	75	75	65	80	74	72	70	75	60	65	75	..	69.6
	Minimum	48	29	38	40	42	52	49	52	49	44	40	41	31	34	37	32	32	34	30	30	45	26	26	39	40	35	42	45	16	45	..	39.1
Martinsburg§	Maximum	83	61	62	73	85	90	92	82	72	50	44	65	67	63	42	43	52	54	66	71	78	57	64	72	72	66	74	63	66	..	..	66.5
	Minimum	39	40	34	41	43	52	58	60	58	48	40	39	39	37	40	36	36	40	40	33	41	44	37	34	44	54	38	44	50	33	..	42.4
Moorfield	Maximum	82	69	76	77	87	90	92	92	87	78	57	68	75	75	62	42	50	55	66	80	77	74	69	79	79	82	76	77	75	83	..	74.2
	Minimum	37	32	33	38	48	57	50	49	50	46	40	42	36	42	40	35	40	38	31	32	56	44	31	32	51	54	42	52	47	36	..	42.0
Piedmont	Maximum	75	60	72	71	82	86	86	86	77	56	44	57	69	60	59	40	48	49	64	67	71	60	63	74	69	64	74	67	58	79	..	66.2
	Minimum	39	32	36	43	53	67	55	52	50	44	39	39	35	40	39	35	38	35	35	35	54	44	35	33	50	52	40	48	47	46	..	43.0
Romney §	Maximum	57	66	75	83	..	88	90	83	59	45	..	69	63	59	41	42	52	49	70	76	75	64	68	77	80	..	77	68	81	..	..	67.6
	Minimum	41	33	37	45	51	..	54	52	57	43	40	..	35	41	38	35	38	35	36	33	54	42	31	31	50	53	..	40	48	36	..	41.8
Upper Tract	Maximum	66	60	72	85	86	86	87	82	56	63	68	..	70	69	44	45	45	50	65	79	72	70	68	76	75	70	71	73	68	76	..	68.9
	Minimum	56	33	33	51	50	51	50	..	49	39	40	..	43	41	37	32	36	36	30	35	41	41	27	30	51	50	50	38	55	33	..	41.4
Wardensville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Northern Division																																	
Bens Run	Maximum	69	60	75	71	82	86	85	83	66	54	68	63	69	62	58	48	51	54	70	79	74	62	69	76	78	67	77	76	75	81	..	69.6
	Minimum	41	29	36	50	57	66	54	53	51	51	45	45	39	44	46	39	41	40	30	40	56	42	32	36	54	51	40	40	37	40	..	44.2
Buckhannon	Maximum	75	55	70	69	79	81	81	81	69	68	68	60	69	66	58	42	48	50	60	77	74	59	70	74	74	62	70	67	60	72	..	66.3
	Minimum	46	34	35	50	59	47	53	51	54	54	43	46	37	42	40	35	36	36	28	31	34	42	38	53	53	48	39	50	44	37	..	43.1
Cairo	Maximum	68	59	72	76	83	85	86	85	66	64	67	64	71	62	57	53	50	56	68	82	75	62	75	78	81	67	75	68	63	80	..	69.9
	Minimum	43	27	31	40	54	60	50	49	54	51	45	44	33	44	42	39	40	38	25	36	50	44	29	45	55	50	37	54	42	34	..	42.8
Clarksburg §	Maximum	71	58	74	68	81	83	83	82	59	59	66	56	54	62	51	41	48	52	66	80	71	59	67	72	80	64	73	67	49	78	..	65.8
	Minimum	48	26	32	48	56	62	50	49	58	53	44	45	34	43	47	37	38	38	21	33	51	44	29	32	42	50	37	46	44	35	..	42.5
Creston	Maximum	63	62	78	77	84	87	88	85	76	65	67	65	74	73	62	55	49	55	70	83	82	76	69	68	76	80	76	77	70	81	..	72.4
	Minimum	47	30	31	48	60	58	51	49	57	53	48	44	35	41	47	38	37	40	26	36	58	43	30	..	..	..	..	..	..	..	..	43.6
Elkins	Maximum	69	52	68	68	79	80	80	82	66	67	57	54	67	60	51	40	42	46	63	75	68	53	60	73	76	57	72	64	54	75	..	63.9
	Minimum	33	30	38	54	58	57	50	49	54	49	45	44	42	40	40	32	32	33	26	32	48	36	27	29	52	45	38	46	40	36	..	41.2
Fairmont§	Maximum	69	62	76	65	84	88	90	87	58	62	65	59	68	66	50	41	51	53	68	82	71	65	71	80	81	67	77	67	63	82	..	68.9
	Minimum	53	31	35	42	55	55	55	55	56	52	45	45	37	37	48	38	37	39	28	39	52	42	31	33	45	51	41	52	43	38	..	43.7
Glenville	Maximum	81	62	78	78	85	88	88	88	84	71	69	66	75	73	65	52	50	56	70	83	82	77	70	80	82	72	77	77	69	83	..	74.4
	Minimum	56	30	30	49	58	57	49	48	57	54	43	44	35	39	47	37	37	38	25	35	58	43	30	31	50	49	35	45	43	33	..	42.8
Grafton	Maximum	60	70	65	75	80	82	79	72	64	60	63	58	61	55	53	50	54	68	79	64	60	64	66	73	76	78	65	60	80	..	..	66.7
	Minimum	34	29	42	54	54	52	46	53	51	44	41	31	39	40	38	36	32	22	32	45	41	25	29	29	30	38	48	44	32	40	..	39.0
Lost Creek	Maximum	72	57	66	72	81	83	83	84	80	67	62	61	69	67	59	45	47	52	66	80	76	69	68	78	79	70	69	72	62	80	..	69.2
	Minimum	47	27	34	30	56	65	50	50	53	53	39	44	34	40	45	35	37	37	22	33	58	41	27	29	50	49	37	49	42	34	..	41.6
Mannington	Maximum	72	56	72	69	80	84	83	83	72	61	65	61	66	61	57	42	49	52	62	79	75	59	62	73	77	69	71	69	59	74	..	67.1
	Minimum	43	29	31	43	55	59	50	48	52	52	40	42	33	40	42	37	38	37	24	33	54	42	27	31	50	49	35	45	42	34	..	41.2
Morgantown	Maximum	71	55	72	69	79	83	84	83	74	58	56	54	62	62	56	45	46	50	62	78	75	58	65	74	74	72	72	73	65	74	..	66.7
	Minimum	42	31	38	54	58	68	64	60	50	48	43	44	39	38	40	35	35	36	30	46	52	39	32	37	55	47	44	52	42	40	..	44.6
New Cumberland§	Maximum	67	54	74	68	83	85	85	79	60	49	56	49	60	60	48	48	49	49	65	71	52	58	64	70	71	65	71	65	56	..	..	63.1
	Minimum	47	30	31	40	55	51	59	48	47	42	45	42	39	30	33	38	38	30	26	35	49	38	29	34	39	46	37	48	40	39	..	40.2
New Martinsville	Maximum	71	59	75	74	84	87	86	83	65	55	67	65	68	64	59	48	51	54	69	81	78	62	68	79	79	66	75	72	60	80	..	69.5
	Minimum	40	31	35	51	61	65	56	53	50	48	42	45	36	38	46	38	40	40	27	37	50	42	31	34	53	50	39	49	49	36	..	43.7
Parkersburg	Maximum	70	61	76	74	83	87	86	83	62	54	66	59	69	59	55	44	50	54	67	82	70	60	66	76	80	65	73	68	61	78	..	67.9
	Minimum	39	33	40	59	64	69	59	62	52	48	48	46	40	46	44	40	40	40	31	48	47	42	35	40	54	51	44	52	45	41	..	46.6
Parsons	Maximum	72	45	71	70	81	82	83	83	70	68	54	58	67	72	60	38	44	47	66	80	75	68	74	76	79	65	70	75	68	81	..	68.1
	Minimum	30	30	35	45	45	53	47	46	50	50	45	45	37	38	38	33	32	35	26	32	40	45	28	29	38	37	45	40	35	45	..	39.1
Pickens	Maximum	69	67	68	72	78	80	83	83	68	69	60	56	68	68	54	43	38	44	63	75	65	53	62	73	73	61	68	70	75	..	..	65.7
	Minimum	33	22	29	31	35	58	50	49	47	51	42	38	31	30	38	26	26	26	18	35	43	33	22	28	38	41	31	38	28	..	..	35.1
Terra Alta	Maximum	71	49	65	62	74	77	78	79	72	56	43	50	59	57	54	34	39	42	57	73	70	55	58	67	72	68	70	64	57	72	..	61.5
	Minimum	40	25	35	49	55	63	54	48	54	42	35	38	38	35	34	31	30	31	29	31	53	36	27	26	48	41	40	44	37	34	..	39.4
Wellsburg	Maximum	68	55	73	72	81	85	85	81	78	53	56	55	62	61	59	49	51	64	78	76	65	61	65	70	74	65	68	72	63	76	..	67.4
	Minimum	37	28	31	42	56	57	55	49	50	44	44	43	36	30	44	39	36	25	39	48	46	47	28	36	31	48	50	36	42	34	..	41.0
Weston	Maximum	65	62	70	75	80	82	85	86	78	66	65	60	70	65	62	50	46	50	62	80	78	75	65	75	78	70	71	65	60	73	..	69.0
	Minimum	58	50	35	55	58	59	55	51	50	54	42	44	36	40	45	35	36	37	27	38	58	55	39	34	53	49	40	48	45	36	..	45.4
Wheeling§	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Southern Division																																	
Bluefield	Maximum	73	60	71	69	77	81	..	78	81	77	76	59	64	..	70	45	43	51	67	74	..	77	65	73	73	70	72	..	71	71	..	68.8
	Minimum	41	32	38	50	54	60	..	55	54	48	44	44	51	..	38	35	32	33	30	48	..	43	32	39	53	48	46	..	38	39	..	43.3
Charleston§	Maximum	74	70	80	76	88	92	93	93	73	80	67	70	82	74	64	48	54	64	74	86	80	70	74	84	82	68	80	70	70	86	..	75.5
	Minimum	47	34	34	38	48	58	54	55	55	60	50	47	43	43	43	43	40	40	32	34	46	47	36	36	40	55	41	43	47	40	..	41.3
Gary §	Maximum	63	60	75	74	83	85	83	85	83	79	66	63	74	53	58	42	49	55	70	80	74	60	68	76	79	59	74	69	63	77	..	69.3
	Minimum	48	42	32	39	47	53	50	57	55	57	51	44	34	45	44	41	37	33	28	37	47	48	31	36	46	54	37	43	46	35	..	43.2
Hinton §	Maximum	62	35	70	52	88	..	89	92	82	58	53	69	78	51	48	42	47	59	79	85	50	65	73	82	56	56	81	50	67	80	..	65.5
	Minimum	39	35	33	35	47	51	51	50	52	58	53	44	36	39	48	42	39	38	30	33	42	49	33	35	41	56	39	41	46	37	..	42.4
Huntington	Maximum	76	76	80	80	88	88	89	87	82	72	74	72	77	72	72	58	56	60	74	84	79	79	71	80	83	76	77	73	73	82	..	76.3
	Minimum	50	22	36	50	58	65	55	56	60	55	48	44	40	46	48	43	39	41	31	44	61	46	34	38	57	52	40	54	46	39	..	46.6
Lewisburg	Maximum	75	57	72	70	78	82	81	81	80	78	74	61	68	66	59	46	44	50	65	76	71	65	66	70	64	59	68	66	60	72	..	67.5
	Minimum	45	30	29	34	47	56	48	47	54	56	45	40	34	41	42	36	35	38	31	34	56	53	28	32	51	48	32	48	44	32	..	41.5
Marlinton	Maximum	66	52	66	68	76	78	80	78	74	72	54	52	64	64	52	40	40	46	66	72	68	54	60	68	68	56	64	58	66	70	..	63.1
	Minimum	42	26	22	34	42	50	56	62	60	54	38	38	26	32	40	32	28	34	24	28	42	36	22	26	42	42	28	42	40	26	..	37.1
Point Pleasant	Maximum	68	68	70	70	80	85	85	80	80	76	66	65	75	70	60	60	50	60	50	70	78	70	60	60	75	75	70	70	65	60	..	69.0
	Minimum	42	30	35	50	55	55	54	50	50	50	48	40	40	36	40	30	39	35	28	40	44	42	30	35	50	50	40	45	42	40	..	42.2
Powellton	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Ravenswood	Maximum	89	62	74	76	82	84	84	88	81	62	67	68	72	77	60	56	49	55	70	80	77	62	67	72	81	71	73	73	69	79	..	72.0
	Minimum	49	30	35	49	60	61	53	54	55	51	49	45	37	44	47	39	40	41	28	43	50	44	30	35	57	51	40	53	46	37	..	45.1
Robertsburg§	Maximum	67	65	78	76	85	86	87	85	64	66	70	62	74	65	60	45	50	68	72	82	81	68	70	80	80	67	78	72	66	81	..	71.7
	Minimum	43	27	33	40	54	60	52	52	55	53	48	44	38	44	47	40	39	39	28	42	55	44	30	35	44	51	39	53	42	36	..	43.6
Ryan	Maximum	63	58	75	65	80	84	85	85	65	65	70	60	70	65	65	58	50	54	65	80	74	60	60	75	76	63	75	67	65	80	..	68.6
	Minimum	41	27	28	41	51	55	50	46	57	55	45	41	33	38	54	37	37	38	24	36	50	43	27	30	40	48	32	46	41	32	..	40.8
Spencer §	Maximum	67	62	77	74	84	85	86	86	65	68	65	65	73	65	59	43	50	56	68	82	68	61	70	76	82	65	74	72	63	79	..	69.7
	Minimum	40	32	32	50	55	65	53	55	58	53	49	45	39	44	46	40	40	40	27	50	50	45	30	34	55	50	38	45	45	36	..	44.7
Sutton	Maximum	60	62	76	76	85	86	88	88	78	78	66	61	73	78	78	54	50	55	70	82	82	76	68	77	78	78	77	77	70	81	..	73.6
	Minimum	52	36	35	47	58	57	50	45	51	56	45	48	35	36	39	36	37	40	27	35	57	44	30	32	52	50	36	49	46	33	..	43.1
Union	Maximum	73	73	75	75	79	86	..	86	85	80	79	67	74	..	75	45	47	56	69	78	..	76	68	75	76	74	74	..	72	75	..	72.8
	Minimum	35	32	30	44	47	57	..	47	50	56	46	40	32	..	41	36	36	36	28	35	..	45	27	33	52	50	33	..	33	32	..	39.7
White Sulphur Spgs§	Maximum	60	70	75	84	82	86	87	81	81	50	63	75	72	46	43	47	54	70	82	71	60	69	76	77	61	60	70	63	78	..	..	68.7
	Minimum	32	25	37	49	61	45	44	53	52	44	40	32	39	46	36	35	37	29	32	41	48	26	30	46	53	30	30	45	30	42	..	39.7
Williamson §	Maximum	55	55	60	60	65	92	90	81	94	85	75	69	61	65	50	53	48	50	56	67	70	76	73	80	84	66	77	65	71	..	..	68.7
	Minimum	50	35	40	45	47	50	51	57	60	55	45	45	42	45	50	40	43	41	41	45	42	44	44	42	53	54	41	47	42	44	..	46.0

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.189	.298	.234	.156	.033	.104	.211	.200	.097	.066	.107	.075	.133	.217	.060	.013	.007	.110	.150	.123	.197	.169	.033	.223	.174	.183	.155	.172	.119	.189	....	4.252
	Wind movement	102	256	56	60	72	106	77	59	83	69	69	83	73	103	68	125	113	93	80	26	111	120	86	26	46	134	68	52	124	72	....	2,612

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 5-27-29—900)

/NWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVII Parkersburg, W. Va., May, 1929 No. 5

GENERAL SUMMARY

May was cool and exceptionally wet, being the fourth wettest month of May State record. Amounts in excess of seven inches were received at 16 stations, and more than eight inches fell at five stations. A 24-hour amount in excess of 2.50 inches was noted at only one station – Stony River Dam. Light to heavy frosts and freezing temperatures occurred in many localities of the northern and mountain counties until the 17th, the lowest temperature for the month occurring at 15 stations on that date. Owing to frequent rains and low temperature until the last week, the month was generally unfavorable for farm work and growth. The apple bloom was killed in many localities.

HIGH WIND

About 4:20 p. m., May 2, the meeting of two storms, one up and the other down the Monongahela River, caused much damage in North Morgantown, Evansdale and Riverhead. Several persons were slightly injured and from 30 to 40 houses wrecked or partly destroyed. The most damage apparently occurred at Riverside. The Morgantown Country Club house was also considerably damaged.

On May 2, a severe wind storm, attended by hail, caused considerable damage in sections of Pocahontas and Greenbrier Counties. The storm was apparently most severe in Frankford and Renick communities, where damage was caused to buildings, fences and orchards.

TEMPERATURE

The monthly mean for the State, determined from 47 stations, was 60.8°. The departure from the normal for 41 stations having ten or more years of record was —1.4°. The weather was cool from the 2d to the 11th and from the 16th to the 24th, with lowest readings on the 3d, 8th, and 17th. The temperature was somewhat above the normal on the 1st, 11-12th, and 14-15th, and considerably above from the 26th to the close of the month.

PRECIPITATION

The average precipitation for the State, determined from 84 stations, was 5.81 inches. The departure from the normal for 58 stations having ten or more years of record was +1.88 inches. Rain was nearly general from the 1st to the 7th, 12th to the 16th and from the 18th to the 21st, and on the 24-25th and the 28-29th, the greatest amounts being noted on the 3d, 19-20th and 28-29th. Snow flurries or light snow fell in many northern and mountain localities on the 3d.

LIGHT HAIL

Light hail fell in sections of the following counties on dates indicated: Mason and Wood, 2d; Barbour and Lewis, 3d; Grant, 30th.

MODERATE HAIL

Moderate hail fell in sections of Greenbrier and Pocahontas Counties on the 2d.

MISCELLANEOUS PHENOMENA

Halo, lunar: Terra Alta, 16th.
Sleet: Philippi, 3d.

MISCELLANEOUS PHENOMENA (Continued)

Thunderstorms (dates and number of stations reporting): 1st, 4; 2d, 8; 3d, 1; 5th, 1; 6th, 7; 7th, 1; 12th, 8; 13th, 3; 14th, 2; 19th, 1; 20th, 1; 24th, 1; 25th, 9; 27th, 3; 28th, 13; 30th, 13; 31st, 5.

Aurora Observed at Terra Alta

On May 16, a band of prismatic colors 3° or more in width and extending from N. 70° to N. 40° E. and rising at the base in that distance perhaps 1° to one and one half degrees, appeared at 7:55 p. m., surmounting a band of clear sky of probably half that width, continuing with diminishing brilliancy and visibility until 8:10 p. m., finally fading out and disappearing entirely at 8:20 p. m. Coincidently with this occurrence there was a lunar corona and this was later followed by a lunar halo, which was fully developed by 8:50 p. m. and then continued through the night.— J. J. Shanahan, E. M.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a.m.	local noon	8 p.m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.08	81	61	69	262.7	59	4,471	6.0	27	sw.	2
Columbus, Ohio	30.08	74	60	68	245.0	55	6,736	9.1	42	w.	3
Elkins	30.08	85	61	69	163.1	37	3,819	5.1	30	w.	2
Lexington, Ky	30.09	82	68	....	207.1	47	8,685	11.7	46	sw.	2
Parkersburg	30.09	74	56	64	186.8	42	3,678	4.9	27	w.	3
Pittsburgh, Pa	30 07	74	57	60	264.6	59	6,811	9.2	40	w.	3
Wytheville, Va	30.08	80	62	69	208.0	47	3,964	5.3	32	w.	3

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	57.2	.....	.....	3.18	.....	.....	.....	.....	.....	.....	.....
1892	62.2	96	32	5.04	.....	.....	.....	.....	.....	.....	.....
1893	59.5	92	30	4.51	.....	.....	.....	.....	.....	.....	.....
1894	62.1	100	28	4.44	6.41	1.83	.....	10	12	9	10
1895	61.6	105	20	2.60	9.40	2.17	.....	13	16	9	6
1896	68.3	95	33	3.01	6.31	0.79	.....	9	12	11	8
1897	57.6	90	23	4.60	5.92	0.65	.....	10	11	13	7
1898	63.0	94	28	4.51	7.06	2.17	.....	11	13	10	8
1899	64.1	96	35	5.17	6.15	2.76	.....	13	13	10	8
1900	62.5	98	21	2.99	7.68	3.17	.....	12	11	11	9
1901	61.8	96	21	6.15	6.75	0.35	.....	8	14	9	8
1902	65.2	98	25	3.17	8.88	2.50	.....	13	11	10	10
1903	64.3	95	20	3.03	6.09	1.30	.....	9	14	11	6
1904	61.8	98	25	3.55	6.24	0.80	T.	8	18	9	4
1905	64.2	96	26	4.95	5.80	1.54	T.	11	12	11	8
1906	62.7	98	22	2.59	7.96	1.90	0	11	12	10	9
1907	59.0	93	24	3.88	6.89	0.39	T.	9	15	9	7
1908	63.4	96	28	6.19	6.37	1.38	T.	12	12	10	9
1909	60.8	93	21	3.82	11.45	2.73	0.1	17	9	12	10
1910	57.9	96	19	3.92	6.05	1.80	0.1	10	14	9	8
1911	65.0	100	22	1.46	5.87	1.55	0	12	11	10	10
1912	63.3	94	31	3.93	6.35	0.03	0	5	20	8	3
1913	61.6	95	19	5.16	7.50	1.16	0	11	15	8	8
1914	62.4	100	24	1.96	8.86	1.89	0	10	14	8	9
1915	61.1	92	29	4.22	3.75	0.55	0	6	18	8	5
1916	64.0	97	28	3.58	6.85	2.56	0	13	10	9	12
1917	55.5	95	25	4.88	6.00	0.90	T.	11	14	9	8
1918	66.7	97	25	4.34	5.45	2.45	T.	10	11	8	12
1919	61.5	100	30	5.25	10.28	1.85	T.	11	15	9	7
1920	58.9	95	24	2.76	10.71	2.75	0	13	12	7	12
1921	61.4	96	24	4.48	6.97	1.08	T.	7	16	6	9
1922	63.7	94	26	3.67	10.67	2.12	T.	12	12	7	12
1923	59.7	93	21	2.58	5.83	1.55	0	11	14	7	10
1924	55.5	93	23	7.20	5.33	0.18	1.3	8	16	6	9
1925	56.8	100	21	3.35	12.20	3.91	0.1	17	9	7	15
1926	61.2	94	14	2.50	6.56	0.70	0.2	10	13	8	10
1927	62.0	95	21	4.13	4.65	0.07	T.	9	15	8	8
1928	58.9	94	22	2.61	7.74	0.75	T.	15	10	8	13
1929	60.8	98	23	5.81	5.30	0.55	T.	10	14	8	9
1891-1929	61.5	105	14	3.98	11.14	2.25	0.1	15	10	9	12

Climatological Data for May, 1929

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	28	56.2	−0.6	88	27	26	17	47	7.99	+3.49	1.21	1.0	15	8	12	11	w.	U. G. Clark
Brandywine	Pendleton	1,586	13	59.1	0	86	15†	30	17	45	3.80	+0.84	1.55	0	12	12	3	16	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	40	......	......	......	......	......	......	....	4.16	+0.43	2.26	0	9	.....	.....	.....	......	J. C. Newcomer
Martinsburg	Berkeley	435	37	^{a}61.0	−2.1	89^{a}	12†	33	17	42^{a}	2.68	−1.32	1.00	0	7	21	8	2	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	33	61.4	−1.9	89	12	32	17	42	4.00	+0.48	0.60	T.	11	27	0	4	......	M. S. Henkel
Perry	Hardy	......	1	......	......	......	......	......	......	....	3.44	......	1.00	T.	9	16	8	7	s.	R. J. Leibold
Piedmont	Mineral	1,053	16	60.2	+0.4	88	31	32	17	41	4.00	+0.60	0.77	0	15	10	9	12	se.	C. A. Suter, Jr.
Romney	Hampshire	824	31	^{a}61.8	−1.2	91^{a}	30	31^{c}	17	45^{a}	2.25	−1.50	0.87	0	7	10	14	7	......	George E. Bergdoll
Stony River Dam	Grant	3,300	9	......	......	......	......	......	......	....	8.76	......	2.93	T.	14	4	7	20	w.	A. C. Becker
Upper Tract	Pendleton	1,230	30	^{d}59.6	−0.8	87^{c}	31	29^{d}	17	49^{d}	3.80	+0.82	1.25	T.	9	10^{e}	0^{e}	16^{e}	......	J. M. Mallow
Wardensville	Hardy	1,200	12	......	......	......	......	......	......	....	......	......	......	......	......	.....	.....	.....	......	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	5	......	......	......	......	......	......	....	4.81	......	1.31	T.	14	7	11	13	w.	L. Else Bond
Alma (near)	Tyler	......	2	......	......	......	......	......	......	....	4.92	......	1.00	0	15	10	9	12	......	D. N. Furbee
Bens Run	Pleasants	652	27	61.7	−1.5	93	30	36	8	42	5.00	+0.47	1.24	0	16	14	8	9	......	J. D. Riggs
Brownsville	Lewis	1,032	6	62.1	......	88	27†	32	8†	44	4.82	......	1.32	T.	15	12	11	8	......	George M. Myers
Bruceton Mills	Preston	1,549	12	......	......	......	......	......	......	....	4.50	+0.09	0.82	T.	14	5	17	9	w.	Mrs. Ola Wolf
Buckhannon	Upshur	1,411	32	59.3	−2.6	83	30	36	17	36	5.44	+0.84	1.26	0	17	13	10	8	......	H. A. Darnall
Cairo	Ritchie	680	30	61.6	−2.2	91	27	34	8†	45	5.84	+2.32	1.0	0	18	11	10	10	......	O C. Hess
Clarksburg	Harrison	1,015	7	60.8	......	92	28	32	4	43	6.20	......	1.42	T.	15	9	10	12	w.	Clarksburg Water Board
Cortland	Tucker	3,300	18	......	......	......	......	......	......	....	7.01	+2.52	1.25	0	17	0	27	4	......	G. W. Harmon
Crawford	Lewis	1,107	6	......	......	......	......	......	......	....	6.12	......	1.28	T.	15	4	18	9	w.	George W. Blair
Creston	Wirt	640	27	62.4	−1.1	92	30	33	8	47	5.81	+1.90	1.24	0	13	19	0	12	sw.	J. M. Reed
Dam 10 Mon. R††	Marion	826	8	......	......	......	......	......	......	....	7.09	......	1.25	0	14	.....	.....	.....	......	Lockmaster
Dam 12 O. R.	Ohio	660	13	......	......	......	......	......	......	....	5.59	+2.27	1.07	0	14	.....	.....	.....	......	Lockmaster
Dam 13 O. R.	Ohio	655	13	......	......	......	......	......	......	....	5.50	+1.89	1.20	0	13	.....	.....	.....	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	8	......	......	......	......	......	......	....	5.42	......	1.10	0	18	.....	.....	.....	......	Lockmaster
Davis	Tucker	3,093	20	......	......	......	......	......	......	....	6.97	+2.82	1.85	T.	15	7	9	15	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt ††	615	17	......	......	......	......	......	......	....	4.81	+1.12	1.35	0	16	.....	.....	.....	......	Lockmaster
Elkins	Randolph	1,947	28	57.6	−1.6	84	26	30	17	43	8.09	+4.04	1.96	T.	23	3	7	21	w.	U. S. Weather Bureau
Fairmont	Marion	883	23	^{a}62.4	−0.1	94^{a}	25†	34^{a}	17	47^{b}	5.73	+1.83	1.43	T.	12	8^{a}	12^{a}	10^{a}	w.	J. C. Robinson
Glenville	Gilmer	738	35	63.4	−0.1	93	30	33	8	45	5.33	+1.12	1.08	0	18	12	8	11	w.	Howard R. Brannon
Grafton ††	Taylor	1,000	36	^{a}58.2	−3.9	86^{a}	25†	30	7†	45^{a}	5.54	+1.52	1.14	0	9	13	8	10	w.	Curtis Boice
Horner	Lewis	1,044	6	......	......	......	......	......	......	....	6.48	......	1.28	0	15	.....	.....	.....	......	Foster R. Hardman
Horton	Randolph	2,840	4	......	......	......	......	......	......	....	7.53	......	1.20	1.1	21	5	4	22	w.	J. W. White
Janelew (near)	Lewis	1,020	6	62.4	......	88	28†	32	8†	44	5.55	......	1.42	0	12	13	8	10	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	31	60.4	−0.7	88	26†	31	8	43	4.59	+0.30	1.49	T.	16	10	5	16	w.	Allen Smith
Mannington	Marion	985	26	59.2	−0.8	87	30	31	8†	43	6.96	+2.91	1.72	T.	18	9	9	13	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	36	61.1	−2.4	88	26	33	8†	41	6.59	+3.03	1.50	0	10	4	13	14	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	31	^{a}57.6	−3.1	90^{a}	30	31	10	45^{a}	7.08	+3.74	1.46	0	16	9	9	13	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	35	62.2	−1.4	94	30	34	8	41	5.20	+1.46	1.30	0	13	13	6	12	s.	Wm. Ankrom
Parkersburg	Wood	638	42	61.6	−2.2	89	27	38	3	35	5.02	+1.64	1.44	T.	19	8	7	16	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	29	57.8	−1.3	88	27	31	8†	48	5.65	+1.75	......	T.	.....	10	13	8	......	J. W. Swisher
Parsons No. 2	Tucker	......	3	......	......	......	......	......	......	....	6.00	+2.10	1.40	T	20	7	15	9	......	Robert T. Deem
Philippi	Barbour	1,550	32	59.5	−2.2	87	27	33	17	40	6.73	+2.45	1.70	T.	17	6	12	13	w.	Prof. W. W. Thomson
Philippi No. 2	Barbour	......	....	......	......	......	......	......	......	....	6.50	+2.22	1.90	0	16	.....	.....	.....	......	H. F. Brittingham
Pickens	Randolph	2,697	26	55.2	−3.2	85	31	25	17	48	7.67	+2.34	1.60	3.0	18	11	8	12	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	6	......	......	......	......	......	......	....	5.09	......	1.50	T.	14	9	11	11	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	42	......	......	......	......	......	......	....	7.57	+3.21	1.92	T.	16	.....	.....	.....	......	Walter H. Bolyard
Saint Marys	Pleasants	577	20	......	......	......	......	......	......	....	4.98	+1.12	1.13	0	17	.....	.....	.....	......	Wm. Hughes
Terra Alta	Preston	2,559	28	56.0	−3.0	82	27	26	17	45	6.27	+1.28	1.35	T.	18	1	14	16	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	6	61.9	......	93	30	33	8	42	5.05	......	1.10	0	12	8	16	7	w.	J. C. Campbell
Vandalia	Lewis	1,120	6	......	......	......	......	......	......	....	5.37	......	1.48	0	13	.....	.....	.....	......	Creed H. McCue
Wellsburg	Brooke	668	22	59.4	−1.1	92	30	29	10	45	6.19	+2.65	1.64	T.	16	13	11	7	w.	George P. Pfister
West Milford	Harrison	979	4	......	......	......	......	......	......	....	5.02	......	1.30	0	7	.....	.....	.....	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	34	......	......	......	......	......	......	....	4.31	0	0.84	0	14	.....	.....	.....	......	Weston State Hospital
Wheeling	Ohio	645	42	59.6	−3.3	94	30	30	8†	52	5.81	+2.32	1.23	0	14	9	10	12	w.	Miss M. B. Forsyth
Woodlands	Marshall	637	2	......	......	......	......	......	......	....	4.62	......	0.87	0	14	7	11	13	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	3	......	......	......	......	......	......	....	6.79	......	1.50	T.	22	13	10	8	sw.	H. S. Sutton
Bancroft	Putnam	574	25	63.2	−0.6	90	31	37	8	38	7.35	+3.21	1.88	0	14	17	0	14	ne.	R. E. Dent
Bluefield *	Mercer	2,558	34	60.2	−1.7	83	15	33	3	32	3.76	+0.12	0.99	0	18	11	9	6	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	14	......	......	......	......	......	......	....	11.14	+5.94	1.66	0	11	.....	.....	.....	......	Miss Katie Jarvis
Charleston	Kanawha	600	26	65.0	−0.9	98	31	38	8	44	6.36	+2.34	1.82	0	16	15	0	16	......	R O. Fields
Clay	Clay	706	13	......	......	......	......	......	......	....	6.05	+1.92	1.32	0	18	.....	.....	.....	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	3	......	......	......	......	......	......	....	5.95	......	1.04	0	15	.....	.....	.....	......	Lockmaster
Dam 19 O. R.	Wood	600	13	......	......	......	......	......	......	....	5.93	+1.60	1.68	0	17	.....	.....	.....	......	Lockmaster
Dam 20 O. R.	Wood	600	13	......	......	......	......	......	......	....	5.27	+1.45	1.52	0	18	.....	.....	.....	......	Lockmaster
Dam 25 O. R.	Mason	565	2	......	......	......	......	......	......	....	5.62	......	1.38	0	14	.....	.....	.....	......	Lockmaster
Dam 26 O. R.	Mason	564	13	......	......	......	......	......	......	....	5.39	......	1.25	0	13	.....	.....	.....	......	U. S. Engineer Office
Gary	McDowell	1,426	13	62.7	......	86	27†	38	3	36	5.83	+1.76	1.03	0	18	.....	.....	.....	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	32	61.8	−2.0	91	26	37	3	45	4.37	+0.60	0.83	T.	18	13	6	12	......	Mrs. M. L. McClung
Huntington	Cabell	538	32	66.2	0	95	30	39	3†	39	6.32	+2.31	1.73	0	18	5	15	11	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	10	......	......	......	......	......	......	....	5.19	......	0.88	0	19	.....	.....	.....	......	J. O. Brown
Kayford	Kanawha	1,336	13	......	......	......	......	......	......	....	7.75	+2.85	1.34	T.	23	.....	.....	.....	......	Cabin Creek Con. Coal Co
Kermit	Mingo	579	3	......	......	......	......	......	......	....	7.14	......	1.80	0	11	.....	.....	.....	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	29	59.4	−1.2	83	27†	32	17	36	4.41	+0.77	0.82	T.	19	8	13	10	s.	Geo. T. Argabrite
Logan	Logan	700	26	......	......	......	......	......	......	....	6.03	+1.87	1.70	0	16	.....	.....	.....	......	J. R. Wampler
Marlinton	Pocahontas	2,131	30	55.7	−1.3	80	27	28	10†	38	8.28	+4.34	1.60	T.	21	2	21	8	sw.	S. L. Brown
Organ Cave	Greenbrier	......	3	......	......	......	......	......	......	....	......	......	......	......	.....	.....	.....	.....	......	J. J. Hedrick
Point Pleasant	Mason	595	36	60.7	−4.5	95	31	35	4	42	7.36	+3.41	1.92	0	13	7	5	19	sw.	Miss Grace E. Henson
Powellton	Fayette	904	35	......	......	......	......	......	......	....	......	......	......	......	.....	.....	.....	.....	......	Elkhorn-Piney Coal Co
Ravenswood (Dam 22)	Jackson	684	6	63.0	......	94	31	36	8	35	5.83	......	1.05	0	17	6	0	25	nw.	Lockmaster
Robertsburg	Putnam	570	29	63.1	−0.8	92	30	32	8	43	5.62	+2.02	0.82	0	15	15	0	16	......	M. Frazier
Ryan	Roane	709	26	59.2	−2.9	88	30†	23	8	44	5.38	+1.68	1.23	0	21	8	11	12	......	Wm. E. Ryan
Sharples	Logan	......	9	......	......	......	......	......	......	....	5.10	......	1.16	0	14	.....	.....	.....	......	R. W. Howard
Spencer	Roane	789	25	62.4	−0.2	88	30	35	17	40	6.04	+2.34	1.52	0	12	6	13	12	......	A. M. McKown
Summersville ††	Nicholas	1,894	5	......	......	......	......	......	......	....	......	......	......	......	.....	.....	.....	.....	......	J. H. Rohrabaugh
Sutton	Braxton	850	23	62.2	−3.1	90	27†	35	3†	43	7.15	+2.66	1.75	0	16	15	0	16	......	C. B. Eakle
Union ^{d}	Monroe	2,250	25	62.2	0	88	8	34	3†	53	4.53	+1.77	1.21	0	14	3	16	8	......	W. M. H. Young
Wayne	Wayne	598	2	......	......	......	......	......	......	....	7.47	......	2.10	0	16	.....	.....	.....	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	19	^{a}60.6	0	87^{a}	30	34	7†	41^{a}	3.70	−0.17	0.65	0	16	22	1	8	......	H. E. Green
Williamson	Mingo	673	29	^{a}65.2	−0.2	90^{a}	28†	43	17	36^{a}	9.45	+5.64	1.60	T.	21	8	0	23	se.	Mrs. T. W. Lowe
State averages and	extremes	......	....	60.8	−1.4	98	31	23	8	53	5.81	+1.88	2.93	0.1	15	10	9	12	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for May, 1929

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard ‖	Potomac	....	....	....	.11	.12	1.07	.12	....	....	....	....	....	....	1.21	.57	.11	....	....	1.06	.17	.27	1.12	T.	....	.09	....	....	...	.51	.68	.78	7.99
Brandywine	do	.05	.50	.15	....	T.	....	....	....	....	....	....	....	*	.45	.05	T.	....	....	.25	1.30	.25	....	....	....	.50	T.	....	.05	.25	T.	....	3.80
Harpers Ferry ‖	do	T.	T.	2.26	....	.07	.24	....	....	....	....	....	....	T.	.25	.06	T.	....	....	.21	.58	.46	....	....	....	....	....	....	....	.08	....	....	4.16
Martinsburg ‖	do	....	T.	1.00	....	....	....	.35	....	....	....	....	....	....	.20	.08	....	T.	....	....	.60	.40	....	....	....	T.	....	....	....	.05	....	....	2.68
Moorefield	do	....	.48	.38	....	....	....	....	....	....	....	....	....	.18	....	.20	....	....	.55	.60	.60	.28	....	....	....	....	....	....	....	.45	.20	.08	4.00
Perry	do	....	.32	.22	....	....	....	....	....	....	....	....	....	....	.25	....	....	....	....	*	1.00	.44	....	....	....	....	....	....	.30	*	....	.91	3.44
Piedmont	do	....	.68	.25	....	....	.31	....	....	....	....	....	....	.05	.34	.18	.09	.03	....	.03	....	.77	.23	....	....	....	....	.08	.35	.56	.05	....	4.00
Romney ‖	do	....	....	.87	....	....	....	....	....	....	....	....	....	.20	.25	.10	.	....	....	.15	.25	.73	....	....	....	....	....	....	....	....	....	....	2.55
Stony River Dam	do	....	....	1.18	.09	.02	....	.58	....	....	....	....	....	.20	.45	.04	.08	....	....	.70	.48	.87	.08	....	....	....	....	....	....	1.06	2.93	....	8.76
Upper Tract	do	....	.10	.25	....	....	....	....	....	....	....	....	T.	T.	....	....	....	....	T.	1.10	1.25	....	....	....	....	.10	.50	.10	.15	T.	.25	T.	3.80
Warrensville ‖	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Northern Division																																	
Aberdeen	Monongahela	T.	T.	.98	.16	.18	.60	.12	....	....	....	....	....	.13	.03	.17	T.	....	.07	1.31	.25	.14	....	....	....	.32	T.	....	....	.35	....	T.	4.81
Alma (near)	Ohio	....	1.00	.15	.08	.17	.63	....	....	....	....	....	.03	.50	.07	....	....	....	.31	.89	.30	.36	....	....	.01	.01	....	....	....	.41	....	....	4.92
Bens Run	do	1.24	.15	.07	.05	....	.43	....	....	....	....	....	.15	.99	.15	....	....	....	.06	.77	.18	.15	....	....	.04	.03	....	....	....	.14	.40	....	5.00
Brownsville	Monongahela	....	.02	.65	.21	.19	.70	.07	....	....	....	....	.02	.47	.03	.02	T.	....	T.	1.32	.16	.34	....	....	T.	.40	....	T.	....	.22	....	....	4.82
Bruceton Mills	do	T.	.82	.33	.13	.20	.72	.08	....	....	....	....	T.	.30	T.	T.	.17	....	.40	.46	.17	.58	....	....	.06	....	....	....	.08	....	....	....	4.50
Buckhannon	do	T.	.20	.70	.25	.20	.40	.15	....	....	....	....	.20	.05	.10	T.	T.	....	....	1.25	.35	.11	....	....	T.	.28	....	....	.60	.40	.08	.12	5.44
Cairo	Little Kanawha	.01	1.00	.10	.10	.14	.75	.02	....	....	....	....	.11	.24	.02	....	T.	....	.45	1.01	.23	.09	....	....	T.	.17	T.	....	.32	.96	.12	....	5.84
Clarksburg ‖	Monongahela	....	.03	.80	.10	.17	....	.88	....	....	....	....	....	.54	.17	.24	....	....	....	.86	.39	.35	....	....	....	.02	.04	....	....	1.42	.19	....	6.20
Cortland ‖	do	.40	.20	.30	.50	.35	.75	....	....	....	....	....	.10	....	.05	....	.08	....	1.25	.45	.75	.06	....	....	.03	....	....	....	.19	1.00	.55	....	7.01
Crawford ‖	Little Kanawha	T.	.81	.21	.31	.12	.46	.11	....	....	....	....	.08	....	T.	....	.02	....	.16	1.28	.51	.20	..	....	....	1.05	....	....	....	.78	....	.02	6.12
Creston ‖	Monongahela	....	.41	.66	.23	.13	....	.94	....	....	....	....	....	.44	.05	.06	....	....	....	1.24	.30	.94	....	....	....	....	....	.20	....	.21	....	....	5.81
Dam 10, Mon. R. ‖	Ohio	....	.14	.92	.21	.21	.06	.96	....	....	....	....	....	.42	.31	....	....	....	....	1.25	.46	.34	.04	....	....	....	....	....	....	1.25	.52	....	7.09
Dam 12, O. R. ‖	do	....	.97	.87	T.	.39	....	.40	....	....	....	....	....	.37	.27	.36	T.	.02	....	1.07	.14	.56	.02	....	....	.05	....	....	....	.10	....	....	5.59
Dam 13, O R. ‖	Monongahela	....	.52	.98	....	.30	....	.40	....	....	....	....	....	.21	.30	.12	T.	....	....	1.20	.15	.66	.02	....	....	.04	....	....	....	.60	....	....	5.50
Dam 15, Mon. R. ‖	do	....	.09	.62	.04	.18	.21	.67	....	....	....	....	....	.76	.32	.04	T.	.06	....	1.10	.29	.48	.08	....	.04	.08	....	....	....	.32	.04	....	5.42
Davis ‖	do	T.	.14	1.30	.15	....	.10	.45	....	....	....	....	....	.20	.15	....	....	.25	....	.91	.21	.56	.20	....	....	.05	....	....	....	.45	1.85	....	6.97
Elizabeth (D'm 3 L. K)	Little Kanawha	.06	.11	.62	.12	.15	25	.81	....	....	....	....	....	.20	.12	.04	....	....	....	1.35	.23	.43	....	....	....	.03	.06	....	....	.23	....	....	4.81
Elkins ***	Monongahela	.02	.80	.11	.14	.21	.19	.11	....	.02	....	....	.07	.09	T.	.13	.05	....	1.31	.65	.85	.18	....	....	.10	.59	.29	.38	.25	1.20	T.	.35	8.09
Fairmont ‖	do	T.	.05	.66	.07	.20	T.	.66	....	....	....	....	....	.81	.33	T.	T.	....	....	1.43	.31	.42	.03	....	....	....	....	....	.76	....	....	....	5.73
Glenville ‖	Little Kanawha	T.	.10	1.08	.11	.40	.08	.84	....	T.	....	....	....	.22	.08	.06	.04	.03	....	.98	.22	.38	.10	....	....	.12	.08	....	....	.41	....	....	5.33
Grafton ‖	Monongahela	....	1.10	.10	....	....	.43	.64	....	....	....	....	.34	.74	....	....	....	....	1.10	.45	....	....	....	....	T.	....	....	....	....	1.14	....	....	5.54
Horner	do	....	.08	.80	.21	.07	.80	.04	....	....	....	....	.68	.15	....	....	....	....	.12	1.28	.60	.40	....	....	....	.72	....	....	....	.33	....	.20	6.48
Horton	do	....	.29	.93	.15	.11	.04	.18	....	....	....	....	T.	.06	.35	.16	.08	....	.37	.78	.96	.08	....	....	T.	.66	.08	.60	.16	1.20	.04	.25	7.63
Janelew (near)	do	....	....	.70	.19	.20	.70	....	....	....	....	....	....	.15	....	.20	....	....	....	1.20	.15	.20	....	....	....	.22	....	....	....	.22	1.42	....	5.55
Lost Creek	do	....	.65	.26	.06	.17	.85	....	....	....	....	....	.10	.07	.08	.05	T.	....	.34	1.15	.03	.24	....	....	T.	.05	....	....	.11	.38	....	....	4.59
Mannington	do	....	.84	.23	.07	.10	.66	.04	....	....	....	....	.12	.97	.06	.05	.08	....	.26	1.18	.22	.31	....	....	.05	....	....	....	.30	1.42	....	....	6.96
Morgantown	do	....	.70	.20	....	....	.85	T.	....	....	....	....	T.	.55	T	....	.10	....	.20	1.30	T.	.32	....	....	T.	....	....	....	.87	1.50	T.	....	6.59
New Cumberland ‖	Ohio	....	.44	1.46	....	.57	.03	.16	....	....	....	....	....	.23	.64	.37	....	....	....	.84	.04	.68	.02	....	.04	.02	....	....	....	1.46	....	.08	7.08
New Martinsville	do	....	1.30	....	.50	.10	.40	....	....	....	....	....	.20	.55	.10	....	....	....	....	.80	.15	.30	....	....	....	....	....	....	.10	.60	.10	....	5.20
Parkersburg ***	do	.01	1.44	.05	.13	.19	.41	....	....	....	....	....	.27	.51	.13	T.	.02	....	.12	.55	.13	.01	....	....	.01	.30	T.	....	.46	.14	.14	....	5.02
Parsons	Monongahela	*	T.	*	1.76	*	.48	....	....	....	....	....	*	.40	....	*	.50	....	....	*	.68	....	....	....	....	....	....	*	*	1.83	....	T.	5.65
Parsons No. 2	do	T.	.16	1.15	.15	.16	.35	.11	....	T.	....	....	.07	.17	T.	.15	.15	....	.33	1.07	.51	.18	....	....	....	.13	.08	.28	.10	.56	.14	T.	6.00
Philippi	do	....	.53	.32	.15	.17	.49	.11	....	....	....	....	.11	.26	....	.28	.90	....	.12	.99	.16	.25	....	....	....	.14	....	....	.05	1.70	....	....	6.73
Philippi No. 2	do	....	.05	.90	.15	.20	....	.63	....	....	....	....	....	.35	.05	.10	....	....	....	1.25	.28	.40	.09	....	....	.11	....	....	.02	1.90	.02	....	6.50
Pickens	do	T.	.82	*	1.07	.17	.27	....	....	.60	T.	....	.18	.22	....	.16	....	....	.55	1.05	.93	.30	....	....	....	....	.15	....	.25	*	.80	.15	7.67
Roanoke	do	T.	....	.82	.32	.63	.03	....	....	....	....	....	.43	.12	.02	.01	....	....	.15	1.50	.24	.22	....	....	....	.41	....	....	....	.16	....	T.	5.09
Rowlesburg ‖	do	....	....	1.02	.11	.10	.15	.69	....	....	....	....	....	.28	.45	.10	....	....	....	.62	.51	.42	.09	....	....	.03	....	....	....	.18	1.92	.90	7.57
Saint Marys ‖	Ohio	.02	.28	1.13	.09	.22	.04	.50	....	....	....	....	....	.25	.41	.07	T.	.01	....	.65	.17	.35	T.	....	....	T.	.23	....	....	.16	.40	....	4.98
Terra Alta	Monongahela	T.	.13	1.35	.12	.12	.45	.11	....	....	....	....	.08	.64	.08	T.	.07	....	.27	.75	.12	.52	....	....	T.	....	.13	....	.08	.45	.80	....	6.27
Valley Chapel	do	....	....	.92	.15	....	....	1.00	....	....	....	....	....	.23	.14	.04	....	....	.40	1.10	.08	.32	....	....	....	.15	....	....	....	.52	....	....	5.05
Vandalia	do	....	....	.84	.26	.14	.59	....	....	....	....	....	.08	.06	....	....	.07	....	.40	1.08	.61	....	....	....	....	.38	....	....	.11	.75	....	....	5.37
Wellsburg	Ohio	....	1.30	.12	.05	.43	.22	.03	....	....	....	....	.30	.18	.36	....	.20	....	....	1.64	.04	.57	....	....	.09	....	....	....	....	.63	....	.03	6.19
West Milford	Monongahela	....	....	....	.50	....	1.00	....	....	....	....	....	....	....	.60	....	....	....	....	1.30	....	.45	....	....	....	.12	....	....	....	1.05	....	....	5.02
Weston	do	....	....	.65	.10	.24	....	.84	....	....	....	....	....	.10	.06	....	.10	.05	....	.62	.70	.41	.05	....	....	....	.24	....	....	....	.15	....	4.31
Wheeling ‖	Ohio	....	1.23	.96	....	.32	....	.35	....	....	....	....	....	.22	.26	.41	.14	T.	....	1.07	.12	.56	.02	....	....	.05	....	....	....	.10	....	....	5.81
Woodlands ‖	do	....	.38	.84	.02	.14	....	.39	....	....	....	....	....	.46	.26	.27	....	....	....	.87	.17	.35	.02	....	....	....	....	....	....	.44	.01	....	4.62
Southern Division																																	
Arbovale	Great Kanawha	.12	1.00	.36	.02	.01	.02	....	....	.01	....	....	.10	.58	.20	.16	.03	....	.01	.71	1.50	.04	....	....	....	.15	.02	....	.57	1.00	.05	.13	6.79
Bancroft ‖	do	.05	.88	.49	.18	.19	....	.95	....	....	....	....	....	.53	.18	.13	....	....	....	1.88	.46	.37	....	....	....	....	....	....	....	.77	.29	....	7.35
Bluefield	do	....	.99	.03	.04	....	.51	.56	....	.09	....	....	....	.02	.02	.05	.01	....	.03	....	.79	.03	.01	....	....	....	....	.24	.01	.16	....	.17	3.76
Camden-on-Gauley ‖	do	....	....	.88	.20	....	.80	....	....	....	....	....	....	....	....	1.66	.82	....	....	....	1.20	1.00	....	....	....	....	1.30	....	.92	1.27	....	1.09	11.14
Charleston ‖	do	.12	.54	.46	.12	.20	....	.88	....	....	....	....	....	.48	.14	.02	.10	....	....	1.82	.34	.20	....	....	....	.02	....	....	....	.88	.04	....	6.36
Clay ‖	do	.04	.26	.37	.12	.30	T.	.41	....	....	....	....	....	.29	.09	.06	.28	.18	....	.78	1.32	.40	.01	....	....	....	....	.25	....	.16	.73	....	6.05
Dam 6 G. K. ‖	do	.07	.48	.53	.11	.17	....	.88	....	....	....	....	....	.56	.19	.07	....	....	....	1.04	.54	.15	....	....	....	....	.38	....	....	.72	.06	....	5.95
Dam 19 O. R. ‖	Ohio	T.	.20	1.68	.10	.24	.02	.51	....	....	....	....	....	.38	.60	.22	T.	T.	....	.74	.17	.14	....	....	....	.03	.16	....	.08	.57	.09	....	5.93
Dam 20 O. R. ‖	do	.01	.28	1.52	.14	.32	.02	.58	....	....	....	....	....	.15	.34	.17	.04	....	....	.86	.18	.18	....	....	....	.02	.06	....	....	.32	.08	....	5.27
Dam 25 O. R. ‖	do	.07	.33	1.33	.19	.25	.02	.70	....	....	....	....	....	.39	.15	.24	....	....	....	.99	.13	.18	....	....	....	....	....	....	....	.65	....	....	5.62
Dam 26 O. R. ‖	do	.08	.30	1.25	.35	.36	....	.80	....	....	....	....	....	.30	.08	.18	....	....	....	.55	.24	.40	....	....	....	....	....	....	....	.50	....	....	5.39
Gary ‖	Big Sandy	.05	1.00	1.01	.10	.13	....	.94	....	.08	....	....	....	.14	.15	.16	.11	....	.20	.22	.79	.16	....	....	....	....	.05	....	....	....	.30	.24	5.83
Hinton ‖	do	.07	.49	.38	.11	T	.04	.44	....	.03	....	....	....	.68	.35	.15	.08	.10	.09	.08	.56	.19	....	....	....	....	....	....	....	.83	....	.30	4.37
Huntington ‖	Ohio	.19	1.73	.06	.21	.18	1.10	.03	....	....	....	....	.03	.34	.11	.09	....	....	.76	.75	.48	.06	....	....	....	.08	....	T.	.10	.02	....	....	6.32
Kanawha Falls ‖	Great Kanawha	.16	.58	.77	.10	.16	.10	.50	....	....	....	....	....	.10	.12	.10	.08	.30	....	.20	.88	.60	....	....	....	.14	.06	....	.14	.10	....	....	5.19
Kayford ‖	do	.28	.67	.92	.12	.30	.03	.70	....	.02	....	....	.16	....	.49	.11	.05	.21	.08	.28	1.24	.61	.01	....	....	....	.06	1.34	.05	.01	.01	....	7.75
Kermit ‖	Big Sandy	....	1.15	.50	.03	....	....	1.16	....	....	....	....	....	.98	.16	.08	....	....	....	1.80	.30	.28	....	....	....	....	.70	....	....	....	....	....	7.14
Lewisburg	Great Kanawha	..	.82	.06	.04	.03	.02	.18	....	.10	....	....	.32	.14	....	.25	....	....	.04	.25	.66	.08	....	....	....	.03	.20	....	.63	.48	....	.08	4.41
Logan ‖	Guyandotte	.20	.85	.22	....	.27	T.	.74	....	.06	....	....	..	.07	.04	T.	....	....	.13	.18	.74	.35	.05	....	....	....	.25	....	....	....	1.70	.18	6.03
Marlinton	Great Kanawha	.64	.94	.18	....	.28	.26	...	....	.12	....	....	.14	.68	.20	....	.12	....	.16	.21	1.60	.14	....	....	....	.16	.28	.08	1.36	.14	.48	.11	8.28
Organ Cave	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Point Pleasant ‖	Ohio	.10	.32	1.30	.35	.29	....	.81	....	....	....	....	....	.58	.19	.20	....	....	....	.88	.12	.30	....	....	....	....	....	....	....	1.92	....	....	7.36
Powellton	Great Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Ravenswood (Dam 22	Ohio	.08	.30	1.65	.20	.24	....	.75	....	....	....	....	....	.32	.06	.10	.21	....	....	.80	.29	.28	.70	....	....	....	....	....	....	.20	.11	.14	5.83
Robertsburg ‖	Great Kanawha	.06	.30	.71	.38	.16	.24	.77	....	....	....	....	....	.18	.01	.22	....	....	....	.82	.62	.25	....	....	....	....	....	....	....	.44	.46	....	5.62
Ryan	do	.03	.91	.05	.35	.22	.79	.06	....	.03	....	....	.09	.08	.03	.16	.02	....	.55	1.23	.37	.04	....	....	.03	....	....	....	.24	.06	....	.04	5.38
Sharples ‖	Coal River	.29	1.16	.28	....	.21	....	.51	....	T.	....	....	....	T.	.82	.08	....	....	.06	*	.93	.21	....	....	....	....	.40	....	....	.05	....	.10	5.10
Spencer ‖	Great Kanawha	....	.31	.50	.35	.26	.96	....	....	....	....	....	....	.65	....	.07	T.	....	....	....	1.52	.80	....	....	....	.20	T.	T.	....	.32	.10	T.	6.04
Summersville	Gauley	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Sutton	do	....	.20	.80	.35	.30	.60	.25	....	....	....	....	....	.25	.15	.10	.10	....	.25	1.75	.55	.15	....	....	....	....	....	....	.70	.65	....	....	7.15
Union	do	.10	.75	.44	.04	....	.10	.54	....	.06	....	....	....	.24	.05	.10	T	....	T.	....	.71	.10	....	....	....	....	....	....	T.	1.21	....	.09	4.53
Wayne ‖	Big Sandy	.10	.73	.81	.13	.12	.02	1.12	....	....	....	....	....	.51	.63	.04	....	....	....	2.10	.30	.18	....	....	....	.01	.36	....	....	....	.31	....	7.47
White Sulpr. Spgs. ‖	Great Kanawha	.45	.45	.10	..	....	.10	....	.08	....	....	....	.10	.10	.12	.05	....	....	....	.50	.55	....	....	....	....	.20	.10	.05	.65	....	.10	....	3.70
Williamson ‖	Big Sandy	.05	1.60	.25	.10	.37	....	1.07	....	.22	....	....	....	.57	.75	.07	.15	.16	.70	.82	.80	.07	....	....	....	....	.46	....	.04	1.02	.17	.01	9.45

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for May, 1929

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	76	73	67	41	66	63	57	61	59	67	77	76	74	74	76	77	73	79	64	47	48	62	73	72	71	82	88	84	78	81	80	69.9
	Minimum	53	44	33	31	34	31	39	29	39	28	32	49	47	50	57	48	26	37	47	40	42	33	30	43	53	45	51	54	59	56	54	42.4
Brandywine	Maximum	80	75	65	70	65	66	64	65	68	67	78	84	80	75	86	80	70	72	74	60	65	68	70	72	75	78	80	85	78	86	84	73.7
	Minimum	42	50	37	36	45	40	38	31	34	31	33	44	52	50	58	42	30	45	55	45	38	33	32	50	52	50	55	56	56	60	59	44.5
Martinsburg§	Maximum	80	70	65	66	69	68	67	68	67	75	75	89	63	72	86	83	68	75	62	55	57	70	76	79	80	83	87	87	86	89	..	73.9
	Minimum	46	50	43	39	43	41	50	36	46	42	47	47	58	53	54	63	33	42	49	42	45	36	36	44	53	51	51	60	65	64	65	48.2
Moorfield	Maximum	82	82	73	67	75	68	68	74	70	72	41	89	84	77	87	87	74	88	61	56	52	58	70	66	69	76	77	75	71	80	82	73.9
	Minimum	55	51	38	38	47	39	49	34	47	39	40	55	52	53	64	60	32	46	50	47	40	37	36	48	57	52	58	60	63	64	63	48.8
Piedmont	Maximum	80	75	61	67	63	57	62	65	66	67	77	84	74	72	81	80	71	84	63	49	55	64	78	76	80	82	85	82	82	86	88	72.8
	Minimum	52	51	38	39	46	39	46	34	46	36	40	50	53	52	56	50	32	43	49	45	46	38	37	49	50	50	58	60	63	64	62	47.5
Romney§	Maximum	79	68	52	67	66	64	70	68	67	80	84	86	73	82	84	74	72	87	61	51	57	70	80	80	82	87	89	85	90	91	..	74.9
	Minimum	56	51	39	36	45	39	47	47	45	39	41	59	53	52	62	61	31	43	44	45	46	37	35	41	55	53	59	60	63	63	65	48.8
Upper Tract	Maximum	80	80	66	77	70	68	63	70	70	70	85	70	68	82	83	79	73	85	77	60	58	66	76	77	..	83	..	..	86	84	87	74.8
	Minimum	54	50	39	41	42	39	48	32	33	32	41	38	51	50	50	55	29	36	50	..	42	32	35	55	..	50	..	..	56	60	60	44.4
Wardensville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Northern Division																																	
Bens Run	Maximum	80	67	59	60	67	55	67	60	66	73	82	80	69	79	86	74	79	79	66	55	63	74	79	74	73	90	90	83	82	93	87	73.9
	Minimum	54	57	37	42	44	41	43	36	42	37	42	59	52	57	65	53	37	49	49	44	50	40	42	54	50	55	57	52	62	67	67	49.5
Buckhannon	Maximum	75	72	55	62	51	56	60	66	62	65	76	78	67	70	78	78	72	77	75	56	56	62	65	72	68	80	82	81	75	83	82	69.6
	Minimum	47	50	37	39	46	42	46	38	48	37	42	55	54	56	58	55	36	51	56	45	49	38	38	46	56	58	55	58	57	63	63	49.0
Cairo	Maximum	80	73	57	66	65	61	64	66	66	74	80	79	67	78	86	70	79	78	66	52	60	72	77	75	72	87	91	86	80	90	90	73.8
	Minimum	54	57	38	39	45	40	41	34	44	37	40	54	56	55	61	55	34	48	50	46	49	37	38	50	55	54	60	62	65	67	64	49.3
Clarksburg§	Maximum	78	74	51	66	62	59	63	65	64	72	81	80	63	80	82	71	77	80	55	54	57	70	76	73	70	88	88	92	81	89	85	72.5
	Minimum	49	54	35	32	46	40	46	33	46	40	40	58	52	51	63	66	34	45	54	44	48	40	37	50	53	53	57	62	65	64	64	49.1
Creston	Maximum	80	77	60	75	68	67	68	62	68	74	87	82	70	78	86	88	77	79	67	54	60	79	80	79	78	88	89	91	85	92	88	76.6
	Minimum	34	55	37	40	45	42	44	33	52	35	40	53	58	58	57	55	35	50	51	48	48	38	36	37	55	59	56	61	54	66	64	48.3
Elkins	Maximum	75	72	47	69	59	59	58	61	60	66	77	77	63	76	78	68	73	77	67	52	52	61	73	72	69	84	83	82	74	81	82	69.3
	Minimum	44	41	32	36	45	37	42	32	42	32	43	57	52	54	63	37	30	51	45	42	41	36	34	49	55	51	55	59	59	62	58	46.0
Fairmont§	Maximum	84	73	52	65	67	58	66	68	68	76	85	81	66	81	86	69	81	83	57	55	56	73	80	78	94	94	92	86	91	..	90	75.2
	Minimum	53	56	35	38	44	40	45	35	44	37	42	42	52	52	65	68	34	50	54	43	48	39	39	54	55	60	66	66	66	66	..	49.6
Glenville	Maximum	83	81	61	72	79	72	67	70	70	75	84	83	81	80	87	86	79	81	72	56	57	72	78	80	78	88	92	92	83	93	92	78.2
	Minimum	55	53	36	35	44	41	45	33	45	35	39	57	55	52	62	54	34	51	50	45	50	40	37	48	53	53	56	60	63	65	62	48.6
Grafton	Maximum	80	62	66	65	61	60	63	65	63	75	71	75	74	77	65	75	80	59	53	53	65	72	69	75	86	85	81	78	86	85	..	70.8
	Minimum	50	34	37	36	35	36	30	33	32	43	51	50	52	51	61	30	46	52	40	48	36	34	43	50	53	54	60	58	61	61	58	45.6
Lost Creek	Maximum	77	75	60	68	65	59	63	63	66	72	79	79	66	77	80	78	75	79	67	53	52	69	74	72	70	88	88	87	80	88	87	72.8
	Minimum	55	51	34	37	45	40	44	31	45	35	38	60	52	51	64	54	32	49	50	44	48	38	34	54	51	50	55	61	64	62	62	48.1
Mannington	Maximum	75	73	59	59	61	59	62	63	63	67	80	77	72	78	80	78	73	78	65	54	56	66	73	72	73	83	84	85	80	87	83	71.5
	Minimum	51	53	36	39	45	35	43	31	40	33	37	55	50	53	63	53	31	45	44	42	48	35	35	50	47	52	56	62	65	65	64	47.0
Morgantown	Maximum	76	76	73	58	62	60	62	60	62	69	79	78	72	78	81	80	74	79	68	55	53	66	74	72	76	88	87	86	82	86	84	72.8
	Minimum	58	51	34	39	43	40	43	33	42	34	51	62	51	55	64	52	33	54	46	41	46	36	41	59	48	52	64	65	64	66	65	49.4
New Cumberland§	Maximum	78	66	47	58	61	55	62	59	59	68	79	75	64	74	81	64	73	76	49	62	62	69	75	70	74	87	89	88	86	90	..	70.0
	Minimum	45	51	34	38	37	40	41	32	37	31	38	48	53	53	56	62	33	39	39	33	45	36	38	52	40	42	55	61	62	64	63	45.1
New Martinsville	Maximum	79	75	62	57	65	60	65	63	65	71	80	80	72	79	84	80	79	79	68	57	62	73	77	75	77	89	90	89	84	94	85	74.7
	Minimum	53	58	37	40	44	38	41	34	42	37	40	61	53	54	64	52	38	46	48	43	49	40	39	59	49	55	59	64	67	67	67	49.6
Parkersburg	Maximum	78	70	52	59	64	53	63	61	64	70	81	80	63	77	85	72	75	78	57	54	62	70	76	75	70	86	89	88	82	88	84	71.8
	Minimum	57	40	38	43	44	45	43	40	46	41	48	63	54	56	65	46	40	51	48	45	52	41	42	62	55	56	62	66	67	67	69	51.4
Parsons	Maximum	70	40	76	70	70	59	62	65	63	70	80	80	70	81	80	71	76	80	70	65	60	71	81	80	81	84	88	86	84	82	84	73.5
	Minimum	40	35	35	38	34	33	40	31	31	33	40	50	50	60	67	40	32	33	45	40	40	32	33	39	40	46	50	50	60	62	50	42.2
Philippi	Maximum	75	75	58	66	60	58	61	61	62	69	77	77	64	77	80	74	73	78	68	54	52	65	74	72	69	84	87	84	77	84	84	70.9
	Minimum	56	56	34	38	44	42	43	34	45	36	49	60	51	56	62	50	38	51	46	43	46	36	42	42	43	44	61	62	62	63	62	48.1
Pickens	Maximum	75	70	59	67	60	62	58	60	62	70	75	78	75	75	78	60	73	78	65	55	49	61	62	76	72	80	83	82	71	80	85	69.5
	Minimum	34	40	26	33	40	33	26	34	40	27	44	52	48	50	57	40	25	47	42	35	35	30	40	41	40	47	50	54	52	53	51	40.8
Terra Alta	Maximum	70	73	65	59	58	55	56	57	59	64	74	73	57	74	75	73	71	75	65	44	47	61	70	68	71	80	82	80	75	81	79	67.8
	Minimum	53	52	30	33	40	33	38	32	39	28	40	57	45	48	61	45	26	48	43	38	42	38	30	50	48	46	52	57	62	61	56	44.2
Wellsburg	Maximum	78	73	60	58	61	57	69	60	61	67	80	79	64	75	79	76	74	78	69	60	62	70	75	69	76	87	88	87	86	92	85	72.7
	Minimum	49	55	35	37	41	36	40	31	40	29	35	59	54	53	63	50	31	39	46	36	47	34	36	55	37	47	56	62	65	64	65	46.0
Weston	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Wheeling§	Maximum	83	68	50	56	66	53	67	64	66	71	83	78	70	76	84	60	76	81	57	61	60	73	80	70	79	91	92	92	90	94	91	73.6
	Minimum	60	55	35	36	40	35	40	30	32	30	31	50	53	50	61	55	31	39	39	38	45	33	38	60	41	48	57	62	65	64	64	45.7
Southern Division																																	
Bluefield	Maximum	75	74	61	64	..	71	62	69	67	71	70	..	72	71	83	74	70	70	..	67	53	65	72	76	74	..	82	82	81	..	82	71.5
	Minimum	57	55	33	38	..	42	47	38	47	42	50	..	51	53	61	56	38	56	..	48	45	34	43	51	55	..	57	59	60	..	57	49.0
Charleston§	Maximum	86	78	60	74	67	60	70	70	78	80	84	85	85	80	88	74	76	80	60	60	60	76	80	84	88	92	94	94	92	93	98	78.9
	Minimum	42	58	40	43	48	48	48	38	40	40	41	52	60	59	64	66	41	43	57	49	49	42	42	46	54	58	60	62	65	65	65	51.1
Gary§	Maximum	79	79	53	74	59	70	62	70	67	75	79	81	82	80	79	73	77	76	67	61	60	67	74	78	80	83	86	84	82	86	86	74.5
	Minimum	45	57	38	41	48	42	52	39	42	39	45	51	59	57	60	60	41	55	59	52	50	42	40	47	53	56	55	61	63	66	64	50.9
Hinton§	Maximum	85	80	46	80	47	67	70	71	45	80	81	79	84	64	84	74	56	79	65	53	61	73	80	83	82	91	90	85	87	79	85	73.7
	Minimum	40	56	37	46	46	43	47	40	44	41	44	49	53	56	56	60	40	44	55	53	52	42	40	44	53	58	57	62	63	64	62	49.9
Huntington	Maximum	87	77	77	76	72	72	69	68	74	76	84	84	80	76	84	78	78	78	75	70	67	74	77	83	79	86	89	89	92	95	93	79.3
	Minimum	56	52	39	47	46	49	48	40	49	43	49	60	63	59	63	58	39	56	52	48	50	40	43	55	59	62	59	64	64	69	68	53.2
Lewisburg	Maximum	77	72	69	67	64	65	61	65	65	67	67	79	80	73	77	74	68	76	69	56	57	64	71	75	75	82	83	80	76	77	83	71.4
	Minimum	51	53	35	41	47	38	47	35	45	37	42	45	51	52	58	53	32	45	55	47	46	34	35	47	52	54	54	59	60	59	59	47.4
Marlinton	Maximum	62	64	56	64	56	60	58	64	62	66	72	78	76	68	74	72	64	72	60	54	52	62	68	70	74	76	80	76	74	76	78	67.4
	Minimum	44	46	30	38	49	36	40	30	38	28	40	46	50	50	52	42	28	42	48	46	40	30	32	46	54	54	56	60	62	58	58	44.0
Point Pleasant	Maximum	80	75	60	60	62	62	65	60	62	70	80	80	75	70	82	82	70	70	70	60	60	70	70	75	75	85	85	87	87	92	95	73.4
	Minimum	50	50	38	35	42	43	40	36	40	42	45	60	59	50	60	40	38	36	36	40	38	40	45	45	48	60	69	69	60	65	70	48.0
Ravenswood	Maximum	78	76	64	67	67	64	65	66	73	72	79	80	69	75	83	82	75	77	69	53	63	70	74	77	78	87	84	87	84	90	94	74.9
	Minimum	55	57	38	42	45	43	43	36	46	39	44	62	58	57	65	52	40	50	49	45	51	38	39	58	56	58	64	63	62	65	66	51.2
Robertsburg§	Maximum	79	77	57	75	65	65	68	62	68	72	86	83	68	76	86	68	79	77	55	57	65	74	78	80	78	88	90	89	88	92	86	75.2
	Minimum	41	58	38	45	45	46	45	32	42	39	46	48	60	59	66	68	36	55	55	46	47	40	40	46	57	62	57	63	65	65	68	51.0
Ryan	Maximum	80	60	53	78	63	57	63	66	65	72	78	76	70	75	80	66	75	75	66	60	56	65	73	80	70	75	85	85	80	88	88	71.7
	Minimum	51	50	36	42	45	42	43	23	47	33	41	50	57	55	58	45	31	50	48	45	46	34	32	45	54	55	53	54	58	63	61	46.7
Spencer§	Maximum	79	76	55	70	60	65	63	63	62	71	80	81	66	76	83	70	75	77	61	53	59	68	75	78	71	85	86	87	81	88	81	72.4
	Minimum	59	57	37	43	46	45	36	45	50	39	52	60	62	60	64	60	35	55	61	47	49	38	41	50	58	59	58	62	64	64	64	52.3
Sutton	Maximum	81	80	72	69	69	62	66	66	65	72	80	81	81	77	85	85	77	80	80	60	57	66	77	79	79	75	90	90	89	89	89	76.4
	Minimum	56	54	35	42	47	41	47	35	44	36	41	53	38	47	54	54	37	50	52	48	50	40	39	46	55	56	59	57	58	60	61	48.1
Union	Maximum	79	80	74	73	..	73	66	88	70	72	75	..	85	80	80	79	69	76	..	72	61	69	74	79	79	..	86	87	82	83	87	77.0
	Minimum	53	52	34	40	..	39	49	35	45	36	42	..	46	52	53	62	34	47	..	48	46	36	36	46	52	..	55	58	61	59	61	47.3
White Sulphur Spgs§	Maximum	70	55	75	70	66	65	68	68	74	78	85	85	78	84	76	68	78	68	65	62	70	75	80	82	82	84	86	80	82	87	..	74.9
	Minimum	42	35	40	45	38	45	34	42	36	41	46	48	48	54	58	35	44	54	45	46	38	34	44	48	50	52	58	60	58	60	60	46.4
Williamson§	Maximum	70	62	68	75	77	62	69	75	73	78	79	85	85	78	84	71	79	79	75	61	65	72	79	83	84	83	85	90	90	90	..	76.9
	Minimum	50	50	48	45	47	48	47	46	45	44	52	55	61	60	60	65	43	55	59	49	48	44	46	56	57	61	60	64	64	66	66	53.6

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.189	.174	.292	.078	.051	.130	.104	.217	.173	.195	.145	.172	.121	.029	.096	.234	.198	.146	.148	.051	.027	.011	.167	.189	.098	.074	.086	.310	.208	.043	.173	4.32
	Wind movement	36	50	210	148	47	60	57	76	71	78	29	40	81	38	62	96	116	25	58	86	61	38	31	48	60	13	18	27	30	14	26	1,83

(WBO, Cleveland, 6-22-29—900)

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

NWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVII Parkersburg, W. Va., June, 1929 No. 6

GENERAL SUMMARY

June averaged considerably cooler and drier than usual. Most of the cool weather prevailed during the first ten days, which retarded farm work and growth. Light to heavy frosts occurred in sections of the more elevated localities on the 4th and 5th, and the lowest temperature of June State record, 28°, was noted at Pickens on the 4th. Temperature near or slightly below the freezing point also occurred at several other stations. The conditions were generally somewhat droughty, especially in the western counties, until the last decade. There was no hail damage reported. The average number of clear days for the month, 16, was exceeded in only one June of State record. During the last two weeks crops made rapid growth and, while late, were generally in excellent condition at the close of the month.

TEMPERATURE

The monthly mean for the State, determined from 43 stations, was 68.2°. The departure from the normal for 37 stations having ten or more years of record was —1.2°. Cool weather prevailed from the 2d to the 12th, with lowest readings on the 4th. The last six days were also cool, especially the 29-30th. The temperature was above the normal from the 12th to the 24th, with the highest readings occurring from the 19th to 22d.

PRECIPITATION

The average precipitation for the State, determined from 78 stations, was 3.50 inches. The departure from the normal for 55 stations having ten or more years of record was —0.73 inch. Moderate rain fell over the southern counties on the 2-3d, and showers occurred in most localities on the 7-8th, 13-14th, 17th, 19-20th, 22d-26th, and the 28th, the greatest amounts being measured on the 8th, 13th, 23d-24th, 26th, and 28-29th.

LIGHT HAIL

Light hail fell in sections of the following counties on dates given: Cabell, 19th; Randolph, 17, 18th and 22d; Gilmer, 7th and 22d; Grant, 17th, 22d, and 23d; Ohio, 7th, 13th and 28th; Pocahontas, 13th; Parkersburg, 22d.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bancroft, 6th, 9th, 16th, 18th, 20th, and 27th; Bayard, 24th; Buckhannon, 25th; Elkins, 4th, 5th, 16th, and 18th; Fairmont, 4th and 6th; Glenville, 8th and 12th; Hinton, 5th, 11th, 18th, 19th, 21st, 22d, and 27th; Marlinton, 4th, 5th, 6th, 10th, 14th, 16th, 18th, 19th, 21st, 22d, 24th, 27th, 29th, and 30th; Pt. Pleasant, 6th; Terra Alta, 6th; Wellsburg, 4th.

MISCELLANEOUS PHENOMENA (Continued)

Thunderstorms (dates and number of stations reporting): 1st, 3; 7th, 8; 8th, 6; 12th, 8; 13th, 12; 14th, 11; 15th, 1; 17th, 10; 18th, 4; 19th, 4; 20th, 3; 21st, 1; 22d, 8; 23d, 12; 24th, 6; 25th, 2; 26th, 1; 28th, 8; 30th, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	29.99	79	54	63	319.7	72	3,752	5.2	23	ne.	16
Columbus, Ohio	29.99	78	56	64	279.1	62	5,328	7.4	40	nw.	28
Elkins	29.99	85	54	70	286.0	64	2,648	3.7	30	n.	22
Lexington, Ky	30.00	77	58	....	263.1	59	6,903	9.6	36	ne.	30
Parkersburg	30.00	73	51	59	246.1	55	2,981	4.1	20	sw.	7
Pittsburgh, Pa	29.98	72	42	54	354.9	79	5,671	7.9	33	sw.	14
Wytheville, Va	29.97	84	58	74	245.0	56	2,773	3.9	26	w.	28

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	71.2	....	......	5.02							
1892	74.1	99	41	3.90	......	......	....	......	......	......	......
1893	70.2	99	40	3.81	......		......	......	......	......	......
1894	70.4	103	32	3.27	6.41	1.83	.....	10	13	10	7
1895	72.1	102	38	2.92	6.78	1.25	......	8	16	10	4
1896	69.8	95	30	5.35	5.66	1.20	....	7	15	10	5
1897	69.3	96	35	4.31	9.86	0.11	....	10	8	14	8
1898	70.9	99	41	3.21	6.77	1.31	......	10	12	12	6
1899	72.0	98	35	4.99	7.50	0.66	......	10	14	11	5
1900	71.2	98	41	5.30	8.93	1.46	......	11	14	9	7
1901	70.7	104	32	5.67	15.62	2.49	....	13	9	12	9
1902	68.0	100	33	5.19	11.10	1.37	.....	13	12	12	6
1903	65.1	93	34	4.80	8.49	2.45	......	12	11	13	6
1904	69.5	97	36	4.20	12.30	2.01	.....	13	8	11	11
1905	70.6	100	31	4.38	8.29	2.05		13	10	13	7
1906	70.9	101	38	5.25	7.72	1.47	......	11	13	11	6
1907	65.3	97	33	6.00	9.32	2.84	......	14	11	12	7
1908	69.2	98	36	3.12	11.95	1.93	......	14	10	11	9
1909	71.1	101	35	5.73	6.75	1.35	.....	9	15	10	5
1910	66.6	96	32	5.67	9.19	2.47	.....	16	9	13	8
1911	70.7	101	40	4.44	11.27	1.52	......	13	10	10	10
1912	67.3	95	29	4.27	9.34	1.88	......	11	14	10	6
1913	69.5	99	29	3.44	9.21	1.11	......	11	13	10	7
1914	72.0	100	30	3.00	6.55	0.86	......	9	18	8	4
1915	67.7	95	33	3.63	6.60	0.62	......	8	15	11	4
1916	65.8	94	35	5.42	7.09	1.21	......	9	15	8	7
1917	67.7	99	31	3.81	14.54	2.50	......	12	14	8	8
1918	68.2	99	34	4.17	6.58	1.38	......	12	14	9	7
1919	73.0	100	40	5.06	10.11	0.87	......	8	16	7	7
1920	67.9	98	36	5.01	10.15	1.67	......	10	16	8	6
1921	72.4	101	38	4.01	9.70	2.53	......	12	13	7	10
1922	70.7	97	33	4.66	8.67	0.47	......	9	15	9	6
1923	70.2	102	35	4.54	7.95	1.75	......	11	12	9	9
1924	68.7	98	32	4.67	10.37	1.25	......	11	16	7	7
1925	72.2	109	35	3.51	7.63	1.90	......	13	13	8	9
1926	65.9	95	31	3.85	8.06	1.05	......	9	16	8	6
1927	65.7	99	29	4.08	9.18	0.90	......	11	13	8	9
1928	66.7	96	33	7.37	9.93	2.10	......	11	12	8	10
1929	68.2	100	28	3.50	11.69	1.55	......	19	7	9	14
					8.92	1.56	......	8	16	9	5
1891-1929	69.5	109	28	4.48	15.62	0.11	......	11	13	10	7

Climatological Data for June, 1929

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	28	62.8	−0.5	89	21	29	4	47	8.92	+3.87	2.67	0	11	13	12	5	w.	U. G. Clark
Brandywine††	Pendleton	1,586	13	66.4	−1.5	90	22	32	4	43	2.80	−0.46	1.05	0	10	18	2	10	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	40								2.88	−0.77	0.67	0	8					J. C. Newcomer
Martinsburg	Berkeley	435	37	^{a}70.8	0	94^{a}	19†	40	4	36^{a}	3.38	+0.71	1.00	0	10	23	6	1	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	33	69.2	−0.4	95	12	38	4	48	2.34	−1.56	0.62	0	8	29	0	1		M. S. Henkel
Perry††	Hardy		1								1.40		0.52	0	5	17	1	12	s.	R. J. Leibold
Piedmont	Mineral	1,053	16	68.3	−0.5	93	19	37	4	40	3.31	−0.24	1.32	0	6	20	8	2	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	31	^{c}69.9	0	96^{e}	19	37^{d}	4	48^{i}	2.88	−1.03	0.90	0	4	9	18	3		George E. Bergdoll
Stony River Dam	Grant	3,300	9								2.32		0.80	0	9	10	9	11	w.	A. C. Becker
Upper Tract	Pendleton	1,230	30	^{c}66.4	−1.5	90^{c}	22	35^{c}	5	41^{c}	3.40	−0.23	1.80	0	8	16^{d}	0^{d}	10^{d}		J. M. Mallow
Wardensville	Hardy	1,200	12																	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	5								2.57		0.89	0	9	11	16	3	w.	L. Else Bond
Alma (near)	Tyler		2								4.04		1.37	0	8	18	8	4		D. N. Furbee
Bens Run	Pleasants	652	27	70.8	+0.5	95	18†	40	4	40	3.57	−0.95	1.60	0	8	19	7	4		J. D. Riggs
Brownsville	Lewis	1,032	6	^{e}69.4		94^{e}	19	34	4	42^{e}	1.69		0.50	0	9	21	4	5		George M. Myers
Bruceton Mills	Preston	1,549	12								3.83	−0.75	1.39	0	4	11	14	5	w.	Mrs. Ola Wolf
Buckhannon	Upshur	1,411	32	66.2	−2.4	87	22	38	4	30	3.24	−1.65	0.90	0	7	22	4	4		H. A. Darnall
Cairo ††	Ritchie	680	30	69.0	−1.5	93	19	38	4	40	4.01	−0.80	1.46	0	8	16	10	4		O. C. Hess
Clarksburg	Harrison	1,015	7	69.0		95	22	39	4	40	4.35		1.56	0	9	17	10	3	w.	Clarksburg Water Board
Cortland	Tucker	3,300	18								2.01	−2.77	1.00	0	5	6	22	2		G. W. Harmon
Crawford	Lewis	1,107	6								2.65		0.79	0	10	15	12	3	sw.	George W. Blair
Creston	Wirt	640	27	68.8	−1.8	94	19	33	4	47	1.92	−2.35	0.61	0	7	19	0	11	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	8								3.72		0.94	0	8					Lockmaster
Dam 12 O. R.	Ohio	660	13								4.93	+1.24	1.83	0	7					Lockmaster
Dam 13 O. R.	Ohio	655	13								4.20	+0.70	1.20	0	8					Lockmaster
Dam 15 Mon. R.	Monongalia	882	8								2.96		1.17	0	8					Lockmaster
Davis	Tucker	3,093	20								3.80	−1.12	0.90	0	12	12	14	4	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt ††	615	17								2.20	−1.62	0.95	0	7					Lockmaster
Elkins	Randolph	1,947	28	64.5	−2.4	88	22	34	4	37	4.62	−0.44	1.71	0	11	7	14	9	w.	U. S. Weather Bureau
Fairmont	Marion	883	23	^{a}71.0	+0.3	96^{a}	18	39^{a}	4	40^{a}	2.88	−1.51	1.03	0	7	17	8	5	w.	J. C. Robinson
Glenville	Gilmer	738	35	70.4	−0.4	96	22	38	4	41	2.93	−1.54	0.92	0	5	22^{a}	4^{a}	3^{a}	w.	Howard R. Brannon
Grafton	Taylor	1,000	36	^{a}67.8	−1.4	92^{a}	21	35	4†	41^{a}	1.98	−2.61	1.07	0	3	15	12	3	w.	Curtis Boice
Horner ††	Lewis	1,044	6								1.90		0.50	0	6					Foster R. Hardman
Horton	Randolph	2,840	4								3.76		1.88	0	8	19	3	8	w.	J. W. White
Janelew (near)	Lewis	1,020	6	68.6		92	18†	36	4	39	1.74		0.65	0	5	21	6	3	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	31	67.8	0	93	18†	34	4	41	4.30	+0.11	1.48	0	5	20	5	5	w.	Allen Smith
Mannington	Marion	985	26	66.4	−1.7	88	19	35	4	36	3.37	−0.85	1.17	0	8	18	8	4	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	36	^{a}68.9	−1.1	93	22	38^{a}	4	34^{a}	3.43	−1.08	1.25	0	5	3	19	8	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	31	^{a}65.9	−2.0	96^{a}	24	36	3†	43^{a}	2.29	−2.21	0.65	0	10	13	9	8	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	35	68.9	−2.5	96	18	41	3†	39	2.80	−1.27	0.90	0	7	17	9	4	s.	Wm. Ankrom
Parkersburg	Wood	638	42	69.9	−1.5	91	19	44	3	32	3.31	−0.69	1.06	0	10	12	8	10	se.	U. S. Weather Bureau
Parsons°	Tucker	1,649	29	65.4	−0.7					47	3.27	−1.97	1.35							J. W. Swisher
Parsons No. 2	Tucker		3								3.50	−1.74	1.01	0	9	19	7	4		Robert T. Deem
Philippi	Barbour	1,550	32																	Prof W. W. Thomson
Philippi No. 2	Barbour										4.00	−0.52	1.01	0	12					H. F. Brittingham
Pickens	Randolph	2,697	26	61.6	−3.5	89	22	28	4	39	6.64	+0.53	1.95	0	10	20	7	3	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	6								2.44		0.76	0	8	18	10	2		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	42								2.58	−2.44	0.77	0	7					Walter H. Bolyard
Saint Marys	Pleasants	577	20								3.78	+0.01	0.93	0	8					Wm. Hughes
Terra Alta	Preston	2,559	28	^{a}63.0	−2.8	87	22	31^{a}	4	37^{a}	2.87	−4.11	0.71	0	8	4	15	11	sw.	J. J. Shanahan, E. M.
Valley Chapel	Lewis	1,011	6	69.2		94	19	37	4	40	1.80		0.50	0	6	16	11	3	w.	J. C. Campbell
Vandalia	Lewis	1,120	6								2.34		0.88	0	6					Creed H. McCue
Wellsburg	Brooke	668	22	67.2	−0.4	91	19	35	3	39	3.83	−0.58	1.18	0	6	23	6	1	w.	George P. Pfister
West Milford ††	Harrison	979	4								3.58		1.65	0	4					Miss Dicie E. Wagner
Weston	Lewis	1,026	31			92^{b}	21				2.01	−2.54	0.75	0	7					Weston State Hospital
Wheeling	Ohio	645	42	69.0	−1.9	98	18	36	4	42	4.48	+0.67	1.64	0	7	15	9	6	se.	Miss M. B. Forsyth
Woodlands	Marshall	637	2								4.16		2.00	0	9	13	12	5	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	3								3.80		1.64	0	13	19	8	3	w.	H. S. Sutton
Bancroft	Putnam	574	25	70.0	−0.9	92	19†	42	4	35	2.04	−2.59	0.67	0	6	24	0	6	ne.	R. E. Dent
Bluefield °	Mercer	2,558	34	67.1	−1.7	85	24	38	4	33	5.80	+1.02	1.27	0	17	12	6	7		Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	14								2.49	−2.65	1.02	0	4					Miss Katie Jarvis
Charleston	Kanawha	600	26	72.8	−0.3	100	22	43	4†	39	2.06	−2.37	0.60	0	10	21	0	9		R. O. Fields
Clay	Clay	706	13								2.50	−1.66	1.12	0	9					Chilton Wilson
Dam 6 G. K.	Kanawha	598	3								2.79		0.62	0	8					Lockmaster
Dam 19 O. R.	Wood	600	13								3.77	−0.16	1.21	0	9					Lockmaster
Dam 20 O. R.	Wood	600	13								3.33	−0.55	0.70	0	10					Lockmaster
Dam 25 O. R.	Mason	565	2								1.56		0.32	0	11					Lockmaster
Dam 26 O. R.	Mason	564	13								2.11		0.75	0	10					U. S. Engineer Office
Gary	McDowell	1,426	13	^{b}68.6		91^{b}	23	42^{b}	4	34^{d}	7.43	+2.35	1.88	0	13					U. S. Coal & Coke Co.
Hinton	Summers	1,431	32	70.2	−0.3	95	22	44	4	39	5.76	+1.53	1.33	0	10	16	2	12		Mrs M. L. McClung
Huntington	Cabell	538	32	72.7	0	96	1†	43	4	38	4.78	+0.54	1.43	0	12	7	19	4	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	10								2.80		0.85	0	7					J. O. Brown
Kayford	Kanawha	1,335	13								5.81	+1.20	1.10	0	10					Cabin Creek Con. Coal Co
Kermit	Mingo	579	3								3.66		1.05	0	7					E. B. Kirk
Lewisburg	Greenbrier	2,250	29	65.5	−1.7	87	22	36	4	34	3.07	−1.17	0.67	0	13	19	7	4	s.	Geo. T. Argabrite
Logan	Logan	700	26								4.25	−1.16	1.08	0	9					J. R. Wampler
Marlinton	Pocahontas	2,131	30	63.1	−1.4	86	22	32	4	36	4.95	+0.21	1.22	0	12	3	25	2	sw.	S. L. Brown
Organ Cave	Greenbrier		3																	J. J. Hedrick
Point Pleasant	Mason	595	36	70.0	−2.4	98	19†	40	3†	50	1.98	−2.32	0.51	0	7	10	7	13	nw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	6	68.8		97	24	37	11	48	2.15		1.00	0	7	20	0	10	se.	Lockmaster
Robertsburg	Putnam	570	29	69.5	−1.8	95	22	40	4	40	2.72	−1.33	0.68	0	8	20	0	10		M. Frazier
Ryan ††	Roane	700	26	66.6	−2.5	92	19†	32	4	43	3.94	−0.53	1.03	0	8	14	10	6		Wm. E. Ryan
Sharples	Logan		9								3.65		0.94	0	7					R. W. Howard
Spencer	Roane	789	25	67.4	−2.5	93	22	38	4	36	3.14	−1.21	0.90	0	10	5	23	2		A. M. McKown
Summersville ††	Nicholas	1,894	5																	J. H. Rohrabaugh
Sutton	Braxton	850	23	69.2	−3.6	93	22†	40	4	39	3.00	−2.03	1.20	0	8	22	0	8		C. B. Eakle
Union°	Monroe	2,250	25	68.1	+0.4	89	19†	36	4	43	5.01	+0.69	1.09	0	9	5	15	5		W. M. H. Young
Wayne	Wayne	598	2								4.30		1.29	0	9					Mrs Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	19	^{a}66.0	−2.0	89^{a}	21	36	3	42^{a}	3.20	−1.36	0.60	0	10	23	2	5		H. E. Green
Williamson	Mingo	673	29	^{a}73.2	+1.0	94^{a}	19†	45	4	34^{a}	7.89	+3.26	2.01	0	10	20	0	10	se.	Mrs. T. W. Lowe
State averages and	extremes			68.2	−1.2	100	22	28	4	50	3.50	−0.73	2.67	0	8	16	9	5	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for June, 1929

Stations	Drainage basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard ‖	Potomac	.14							1.41	T.				T.	.03			.17					1.61	2.67	1.04	.45	.12	T	1.27	.11	T.		8.92
Brandywine	do			.25				T	*	1.05				*	.45	.25		T.		T.				.15	.25	[illegible]			.15				[illegible]
Harpers Ferry ‖	do						T.		.39	.27					.22	.64					.17	.20					.67			.32			2.88
Martinsburg ‖	do	.55							.22	.55				.02	.12	1.00							T.		.02	.15	.40			[illegible]			[illegible]
Moorefield	do								.40						.62	.15			.17					.12	.57	.06			.26				2.41
Perry	do								.17								.19							.02		.23			.29				1.10
Piedmont	do								1.04										.01				.12	1.52		.30			.52				3.41
Romney ‖	do								.73							.65								[illegible]						.60			[illegible]
Stony River Dam	do								.55	.06						.07			.02	.80				.05	.10		.07			.60			2.42
Upper Tract	do				.03				1.80	.20	T.		.22				.80	T.				.15			.30				.10				3.40
Wardensville ‖	do																																......
Northern Division																																	
Aberdeen	Monongahela								.37					.32		.02		.03			T.			.89	.08	.18			.67	.01	T		2.57
Alma (near)	Ohio							.08	1.37					.02	.50				.25							.70			1.05		.07		4.04
Bens Run	do							.85						.11	.30					.02					.24	.25			1.60		.20		3.57
Brownsville	Monongahela			T.					.41					.04						.04				.35	.10	.12	.07		.50	.06	T.		1.69
Bruceton Mills	do							T.	1.31				T.						.83	T.				T.	.30			1.39	T.		T.		3.83
Buckhannon	do								.40				.10					.14						.85	.20	.65			.90		T.		3.24
Cairo	Little Kanawha							.03	.25				T.	.80	.03			.06						T.		1.46			1.22		.16		4.01
Clarksburg ‖	Monongahela								.50					.02					.07		.35				1.56	.29	.28		.56	.72			4.35
Cortland ‖	do								.35	.10					.06									.50					1.00				2.01
Crawford ‖	Little Kanawha								.23				.21			.03				.04	.04		T.	.53	.05	.79			.72		.01		2.65
Creston	Monongahela								.45	.06					.12									.31		.11	.26			.61			1.92
Dam 10, Mon. R. ‖	Ohio	T.							.92	.42					.02				.22						.80		.36		.04	.94			3.72
Dam 12, O. R. ‖	do						.02		1.83						1.03						T.				T	.93	.09		.78	.25			4.93
Dam 13, O. R. ‖	Monongahela								1.20						.96						.85				.05	.08	.17		.54	.35			4.20
Dam 15, Mon. R. ‖	do								1.06	.12				.05										.02	.34		.16		.04	1.17			2.96
Davis	do	.50							.53	.07				.03		.15		.05						.48	.22	.43	.37		.07	.90			3.80
Elizabeth (D'in 3 L K)	Little Kanawha								.18						.18									.30			.10		.95	.24	.25		2.20
Elkins ***	Monongahela			.01				T.	.42				.01	T.	T.	.04		.50	.64				1.35	.36	.01	.57			.71		T.		4.62
Fairmont ‖	do								1.03	.02				.04	T.				T.					T.	.61		*		.30	.88			2.88
Glenville ‖	Little Kanawha								.72	.11				T.							T.			.55			.92			.63			2.93
Grafton ‖	Monongahela							.63			T.													.28					1.07				1.98
Horner	do							.50					.16											.29		.35			.50		.10		1.90
Horton	do			.10					.66	.07					T.	.24		.22							1.88	.05			.54				3.76
Janelew (near)	do								.25					.20										.32		.32			.65				1.74
Lost Creek	do								.50				T.								.86		T.	1.13		.33			1.48		T.		4.30
Mannington	do							.09	1.08						.26			.53						.34	.01	.20			.86				3.37
Morgantown	do								1.00						T.			.22	T.					.61		.35			1.25				3.43
New Cumberland ‖	Ohio						.06		.40					.35				.15			.40				.05	.15	.08		.60	.05			2.29
New Martinsville	do							.10	.70					.50	.30											.20			.90		.10		2.80
Parkersburg ***	do		T.					.66	.37				.04	.02	.47		T			T.			.06	.04	T.	.26			1.06		.33		3.31
Parsons	Monongahela						1.35		.46					.55				*	*	*	*	*	*	*	*	*	*	*	*	*	.91		3.27
Parsons No. 2	do								.72					.04		.12		.66	T.					.46	.04	.40	.05		1.01				3.50
Philippi	do																																......
Philippi No. 2	do								.65					.20		.02			.03	1.01				.05	.02	.65	.75		.02	.60			4.00
Pickens	do					.40			.15	.63				.08				.55			.14		T	1.60	1.00	.14			1.95				6.64
Roanoke	do								.76	.01										.70				.10	.05	.15	.04		.63				2.44
Rowlesburg ‖	do								.58	.04									.05	.32				.34			.48			.77			2.58
Saint Marys ‖	Ohio						T.		.93					.03	.60			T.			.33			T.	.52	T.	.23		.62	.52			3.78
Terra Alta	Monongahela						T.		.45					T.				.47					.16	.52	.02	.47	.07		.71	T.			2.87
Valley Chapel	do								.39												.43			.04		.42			.50	.02			1.80
Vandalia	do								.43					.23									.18	.29		.33			.88				2.34
Wellsburg	Ohio					T.			.68						.64			1.18			T.			.05		.22			1.12				3.89
West Milford	Monongahela								.41															1.50					1.65		.02		3.58
Weston	do								.36					.05										.10	.20		.50		.05	.75			2.01
Wheeling ‖	Ohio						.01		1.64						1.50						.02				T.	T.	.05		1.01	.25			4.48
Woodlands ‖	do								.50	.02					.60						.46			.02		.01	.13		2.00	.42			4.16
Southern Division																																	
Arbovale	Great Kanawha		.01	.12					.16	.14			.30	1.64		.33		.02		.27				.14	.04	.33			.30				3.80
Bancroft ‖	do												.67	.13				.10						.38			.28			.48			2.04
Bluefield	do	.46		1.27					.46		1.20			.05	.01	.24		.06	.01	.03		.08	.01		.60	.70	.27		.34	.01			5.80
Camden-on-Gauley ‖	do								1.02									.80			.44							.23					2.49
Charleston ‖	do			.16					.05	.18				.34	.04			.08			.04				.04		.50			.60			2.06
Clay ‖	do			.11					.24	.09				.12										.04	.09		.67		.02	1.12			2.50
Dam 6 G. K. ‖	do			.15						.20				.24							.54			.48			.51		.05	.62			2.79
Dam 19 O. R. ‖	Ohio		T.						1.21					.06	.26						.14			.09	.04	T.	.44		.63	.90			3.77
Dam 20 O. R. ‖	do	T.							.40					.05	.42			.02			.04			.28		.70	.28		.58	.56			3.33
Dam 25 O. R. ‖	do								.26	.06				.10	.13			.02			.06				.04	.13	.32		.23	.21			1.56
Dam 26 O. R. ‖	do		.02	.04					.01	.06				.20	.25			.35			.23						.20			.75			2.11
ary ‖	Big Sandy	.72		1.35	.02					1.34				.16	.11	.77				.35		.15			.17		1.88	.03		.38			7.43
inton ‖	do	.74		1.33										.30	.80	.62				.94					.05	.02	.16			.80			5.76
untington ‖	Ohio		.14	.01					.15	.04			1.37		.30			.03		1.43				.13		.39			.53		.26		4.78
anawha Falls ‖	Great Kanawha			.26						.25	.16			.08											.50		.70			.85			2.80
ayford ‖	do	T.		.66					.03	.88	.01			.15							.01			1.01	1.00		1.10			.96			5.81
ermit ‖	Big Sandy			.65						.60			.52	.22	.02												.60			1.05			3.66
ewisburg	Great Kanawha	.02		.67					.18	.40			.44	.42	.08	.27								.04		.15	.04		.31		.05		3.07
ogan ‖	Guyandotte			.40					.18	.90				.55	.02									.55	.11		.46			1.08			4.25
arlinton	Great Kanawha		.28	.06				.28	.32	.21			.68	.30	T.	.58								1.22		.52	.12		.38		T.		4.95
rgan Cave	do																																......
oint Pleasant ‖	Ohio		T.	T.					.51	.12				.10	.30						.30						.15		T.	.50	T.		1.98
avenswood (Dam 22	Ohio								.15						1.00									.08	.04		.15		.53	.20			2.15
obertsburg ‖	Great Kanawha		.03											.68	.29			.48						.01			.35		.40	.47			2.72
yan	do								.25				1.03					.04					.29	.78		.55			.75		.25		3.94
arples ‖	Coal River			.68						.60				.10											.10	.60	.63			.94			3.55
encer ‖	Great Kanawha								.02	.09				.66	.06	.10								.23		.43	.62		.03	.90			3.14
mmersville	Gauley																																......
tton	do		.20	.15					.25											.20						.75	.10		1.20		.15		3.00
ion	do	.92		1.09					.16		.70			T.		.47					.12					.95	.19		.41				5.01
ayne ‖	Big Sandy			.21					T.	.42				.55	.18						1.29					.05	.43		1.06	.11			4.30
hite Sulpr. Spgs. ‖	Great Kanawha		.60						.50				.60	.25	.35			.10	.05						.20	.15			.40				3.20
illiamson ‖	Big Sandy	.36		.57					.05	.90				1.35	.22						.05			2.01		.83			1.55				7.89

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for June, 1929

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	79	68	62	68	71	73	80	78	68	73	83	84	84	83	78	80	81	87	88	84	89	87	84	82	78	75	79	79	74	76	..	78.5
	Minimum	48	42	39	29	31	38	37	55	51	37	36	44	55	57	57	41	51	47	50	51	50	49	56	58	60	57	43	51	50	44	..	47.1
Brandywine	Maximum	80	74	65	75	75	80	81	70	68	75	80	85	89	89	85	84	88	87	88	87	89	90	89	85	86	85	82	75	76	78	..	81.3
	Minimum	56	52	42	32	40	47	46	50	52	42	40	49	50	52	62	54	55	56	56	58	52	60	55	62	60	52	48	58	52	54	..	51.5
Martinsburg§	Maximum	80	72	67	75	79	80	88	65	76	80	85	89	92	92	85	87	99	92	94	92	94	92	90	92	88	82	82	81	85	..	..	84.3
	Minimum	59	45	47	40	52	50	52	60	54	45	50	53	65	65	64	59	60	60	62	64	62	61	61	66	69	65	53	59	64	49	..	57.2
Moorfield	Maximum	71	70	58	64	71	72	77	74	69	66	87	95	93	90	85	90	90	91	94	94	94	93	93	87	91	86	84	82	79	88	..	82.6
	Minimum	56	57	46	38	42	49	48	50	51	44	44	52	62	63	64	52	58	62	59	60	64	62	62	67	67	64	53	62	63	49	..	55.7
Piedmont	Maximum	77	72	66	73	77	79	84	76	73	76	84	91	88	86	82	87	85	87	93	88	90	85	88	85	84	79	78	77	74	82	..	81.5
	Minimum	55	52	45	37	43	49	48	60	55	48	47	51	62	61	62	52	57	55	60	60	60	58	63	65	62	58	51	58	60	59	..	55.1
Romney§	Maximum	81	72	68	81	..	83	88	73	78	..	87	93	80	88	..	89	92	92	96	92	93	93	91	87	81	84	78	..	79	..	..	84.4
	Minimum	56	51	44	37	43	..	46	51	54	43	..	45	60	63	62	..	52	59	65	62	61	60	62	66	69	61	52	59	..	49	..	55.0
Upper Tract	Maximum	77	77	76	76	76	79	80	82	78	..	84	..	..	88	87	86	87	86	86	88	88	90	85	86	85	84	80	79	85	84	..	82.9
	Minimum	43	44	45	38	35	38	48	48	46	..	50	..	..	50	49	49	50	50	51	54	55	56	60	61	61	61	61	48	47	48	..	49.9
Wardensville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..	....
Northern Division																																	
Bens Run	Maximum	79	69	70	77	78	83	84	84	85	83	87	80	89	82	85	87	92	95	95	92	89	95	90	90	76	85	85	87	80	79	..	84.4
	Minimum	58	52	42	40	48	50	51	52	53	52	52	59	62	62	57	58	61	65	65	64	67	55	67	66	68	60	60	56	59	56	..	57.2
Buckhannon	Maximum	76	65	61	66	71	71	76	71	73	73	77	81	86	79	76	80	82	84	85	82	85	87	84	85	80	75	72	74	71	72	..	76.5
	Minimum	53	52	45	38	42	50	50	61	57	48	47	53	60	65	61	52	57	59	62	60	61	60	65	62	65	62	52	64	59	52	..	55.8
Cairo	Maximum	78	72	67	75	76	82	83	70	79	81	87	84	86	80	83	85	89	92	93	90	89	92	89	92	77	82	87	76	77	73	..	82.4
	Minimum	57	54	44	38	42	46	50	62	54	48	47	55	58	61	58	53	58	62	62	62	63	55	66	64	66	54	58	62	53	52	..	55.5
Clarksburg§	Maximum	78	65	65	75	74	80	81	70	78	78	86	88	87	82	85	89	86	93	93	89	91	95	91	93	78	79	87	75	75	76	..	82.2
	Minimum	56	52	43	39	42	46	48	60	58	47	46	52	58	63	60	52	56	62	62	62	61	56	64	72	69	63	52	63	60	50	..	55.8
Creston	Maximum	80	76	68	80	78	82	88	69	79	76	85	84	85	82	88	85	91	93	94	91	91	92	92	89	80	82	85	77	76	78	..	83.2
	Minimum	55	54	44	33	41	47	49	60	54	49	46	54	57	60	58	51	57	61	61	60	61	56	64	63	66	59	52	61	51	50	..	54.5
Elkins	Maximum	72	62	60	67	71	73	79	67	72	74	80	85	82	79	77	82	80	83	85	82	85	88	85	80	75	75	78	73	69	77	..	76.6
	Minimum	52	51	42	34	39	47	46	59	53	44	43	48	60	63	56	49	54	58	56	56	57	57	60	62	62	54	49	60	53	47	..	52.4
Fairmont§	Maximum	81	70	69	79	78	84	89	70	80	84	89	90	86	86	86	90	86	96	95	92	94	95	91	91	80	84	87	76	..	81	..	84.4
	Minimum	58	50	41	39	43	49	50	62	56	49	50	57	61	65	62	55	60	61	64	63	64	57	69	65	70	62	54	64	60	..	..	57.2
Glenville	Maximum	89	78	71	77	78	88	88	72	81	83	87	87	89	87	85	89	92	94	95	94	93	96	95	92	89	69	89	87	80	78	..	86.4
	Minimum	55	54	43	38	41	47	47	59	54	47	46	52	56	59	59	52	56	62	62	60	60	55	61	64	67	62	50	60	51	51	..	54.3
Grafton	Maximum	65	68	70	73	75	85	68	80	82	80	79	85	82	85	83	86	91	87	89	90	90	92	86	89	86	73	70	75	82	83	..	80.7
	Minimum	49	51	43	35	35	46	61	48	54	60	56	48	61	58	61	65	64	..	54	56	54	51	61	64	70	60	54	56	60	..	..	54.9
Lost Creek	Maximum	80	75	68	74	74	79	84	73	76	78	84	88	85	82	83	87	87	93	93	87	89	92	88	87	81	78	84	84	75	74	..	82.1
	Minimum	55	51	42	34	38	44	45	60	55	50	43	50	57	61	59	49	54	59	59	59	59	55	62	64	67	61	50	61	57	49	..	53.6
Mannington	Maximum	75	70	63	70	73	76	81	70	75	75	79	83	83	80	78	83	81	87	88	85	86	87	85	85	81	78	81	78	74	75	..	78.9
	Minimum	54	50	40	35	43	45	46	60	50	45	48	51	60	60	58	53	57	60	61	61	60	51	64	63	65	58	50	61	59	48	..	54.0
Morgantown	Maximum	80	67	64	72	73	79	85	77	78	78	82	85	86	83	81	86	83	90	92	89	91	93	92	91	80	80	84	82	76	77	..	81.9
	Minimum	59	46	39	38	46	45	52	59	54	52	50	59	62	64	60	55	59	59	64	62	..	56	65	65	66	60	54	61	59	52	..	55.9
New Cumberland§	Maximum	70	63	61	72	71	79	79	80	81	81	83	86	84	83	82	88	89	95	94	62	64	82	86	96	79	84	88	81	79	..	..	80.1
	Minimum	55	43	36	36	48	43	50	56	49	50	50	58	63	60	55	55	63	64	61	55	42	45	52	56	58	46	45	54	51	52	..	51.7
New Martinsville	Maximum	82	69	67	76	78	82	87	74	82	81	86	85	87	82	84	86	90	96	94	91	91	94	91	92	87	85	89	86	79	76	..	84.3
	Minimum	55	52	41	41	45	48	49	61	53	51	50	56	64	63	57	56	60	64	65	63	64	55	67	65	68	61	54	61	61	54	..	53.5
Parkersburg	Maximum	77	63	65	73	76	81	85	70	77	78	84	81	87	80	82	85	89	90	91	89	88	90	88	90	75	81	84	75	77	76	..	80.9
	Minimum	59	53	44	45	49	52	55	62	55	54	52	63	62	64	61	59	60	65	66	66	66	60	68	67	66	59	59	60	59	56	..	58.9
Parsons	Maximum	..	..	..	..	..	..	80	79	84	84	82	86	79	84	86	86	..	..	..	..	..	..	..	..	..	85	86	80	76	75	..	82.1
	Minimum	..	..	..	..	..	..	40	45	40	37	45	50	50	50	50	49	..	..	..	..	..	..	..	..	..	56	58	60	50	49	..	48.6
Pickens	Maximum	77	65	60	67	65	75	76	67	73	74	80	83	80	79	81	81	82	83	86	81	84	89	84	81	72	73	76	72	62	72	..	76.0
	Minimum	52	42	34	28	35	42	42	52	48	40	42	45	54	54	44	43	49	48	50	50	53	51	56	55	59	52	43	52	47	50	..	47.1
Terra Alta	Maximum	77	67	54	65	68	72	77	73	66	73	77	80	79	78	75	78	79	85	85	81	83	87	85	80	75	72	77	75	69	72	..	75.5
	Minimum	66	..	39	31	35	40	42	55	51	42	40	46	58	63	57	44	54	49	54	56	53	58	59	59	62	54	44	56	53	46	..	50.6
Wellsburg	Maximum	73	69	64	72	72	80	80	74	80	80	85	84	87	80	80	84	84	90	91	88	86	89	84	88	77	82	85	78	76	77	..	80.6
	Minimum	51	43	35	36	48	41	48	58	45	44	47	55	64	60	55	55	60	61	60	62	63	58	61	64	62	50	56	61	59	49	..	53.8
Weston	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	83	85	88	89	91	89	92	91	89	85	80	75	80	75	72	79	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	64	65	58	60	62	64	65	62	64	60	65	63	64	60	65	62	..	....
Wheeling§	Maximum	80	72	70	75	79	82	80	86	77	84	84	86	91	84	83	87	90	98	96	94	92	94	89	96	76	89	89	79	81	80	..	84.8
	Minimum	52	45	38	36	48	44	47	59	56	46	45	44	68	60	54	55	60	61	61	59	62	49	56	64	65	55	52	52	56	50	..	53.3
Southern Division																																	
Bluefield	Maximum	77	..	75	71	73	78	79	77	..	75	80	83	82	79	79	.	82	81	83	83	83	84	..	85	80	75	75	76	70	..	..	78.6
	Minimum	58	..	48	38	50	48	51	60	..	46	48	54	61	62	60	..	54	58	57	59	60	60	..	63	63	59	53	60	57	..	..	55.6
Charleston§	Maximum	91	66	74	80	82	88	93	70	84	90	91	90	88	84	90	94	95	95	98	96	98	100	96	95	78	89	85	82	84	78	..	87.5
	Minimum	58	58	49	43	43	50	54	58	58	57	52	55	62	63	62	56	62	65	65	62	64	62	62	63	69	62	56	60	56	55	..	58.0
Gary§	Maximum	80	66	62	72	74	79	83	70	72	77	81	87	85	81	79	83	86	85	88	88	87	..	91	83	79	78	81	79	..	79	..	79.8
	Minimum	62	54	51	42	45	49	53	57	60	50	51	53	60	61	64	56	58	59	61	63	63	64	..	65	66	63	56	64	57	..	..	57.4
Hinton§	Maximum	85	56	72	80	79	79	86	74	81	82	90	92	84	87	85	89	89	78	94	92	92	95	85	70	68	86	84	81	81	80	..	82.5
	Minimum	62	56	52	44	45	50	56	56	60	51	51	53	59	61	62	57	60	62	61	63	61	65	66	66	68	64	56	58	58	54	..	58.0
Huntington	Maximum	96	84	83	78	79	84	88	83	83	85	88	84	87	83	85	87	94	96	92	91	91	95	92	92	88	88	87	82	81	80	..	86.9
	Minimum	60	55	47	43	46	50	56	63	56	52	50	61	65	61	59	57	60	64	67	63	67	61	67	67	69	59	56	61	58	55	..	58.5
Lewisburg	Maximum	75	69	65	70	71	76	78	75	69	74	78	84	81	78	75	78	81	83	86	81	84	87	84	86	79	75	73	78	72	77	..	77.4
	Minimum	58	52	47	36	41	43	50	57	57	46	46	50	56	57	58	50	54	57	59	57	56	59	63	64	61	62	49	57	56	46	..	53.6
Marlinton	Maximum	72	66	62	66	68	74	76	64	68	76	78	80	78	78	76	80	80	84	82	80	84	86	82	80	76	74	76	74	72	70	..	75.4
	Minimum	52	52	44	32	34	40	44	56	50	42	42	46	54	56	54	48	52	56	54	54	56	64	58	60	62	58	48	56	52	48	..	50.8
Point Pleasant	Maximum	90	90	90	80	72	75	80	80	85	80	85	80	85	85	85	85	97	90	98	98	90	92	97	95	90	80	80	75	70	70	..	85.0
	Minimum	65	70	40	40	42	46	51	60	50	50	45	60	60	60	55	55	57	60	70	60	64	55	60	65	60	55	50	50	49	50	..	55.1
Ravenswood	Maximum	85	80	67	74	77	82	84	71	79	80	85	86	86	78	83	85	83	92	93	91	92	94	94	97	92	87	85	85	79	79	..	84.2
	Minimum	57	53	44	39	41	48	52	62	54	38	37	60	51	51	47	55	48	52	53	60	63	56	66	65	69	57	54	60	55	53	..	53.3
Robertsburg§	Maximum	84	62	69	77	78	85	88	70	74	80	88	78	77	82	86	85	90	93	90	91	88	95	90	91	75	83	87	78	80	80	..	82.5
	Minimum	65	53	45	40	45	48	53	60	55	50	48	55	60	60	58	56	58	61	68	61	66	58	60	66	65	58	54	60	56	54	..	56.5
Ryan	Maximum	80	65	67	66	70	78	85	68	77	80	85	77	85	75	78	85	89	90	92	90	92	92	85	85	75	80	83	72	75	75	..	79.9
	Minimum	54	53	43	32	38	44	58	58	54	45	42	52	55	58	56	49	55	57	57	57	60	54	58	62	65	60	49	65	49	57	..	53.2
Spencer §	Maximum	60	60	62	60	76	81	84	68	78	78	78	85	83	79	80	90	91	88	90	91	88	93	88	89	74	79	83	75	75	76	..	79.4
	Minimum	58	50	41	38	42	49	51	56	51	48	45	54	60	63	61	54	58	62	64	58	62	64	61	65	69	58	53	58	54	52	..	55.3
Sutton	Maximum	86	78	65	75	75	80	87	87	80	80	87	87	89	89	83	88	88	91	91	90	90	93	93	88	82	80	84	84	75	79	..	81.1
	Minimum	57	55	46	40	42	47	49	54	56	51	48	52	52	51	61	53	57	62	60	60	61	60	60	62	57	60	52	61	52	51	..	54.3
Union	Maximum	79	..	77	73	75	79	82	82	..	88	81	86	87	85	81	..	87	87	89	88	88	89	..	88	84	76	77	78	75	..	..	82.4
	Minimum	60	..	47	36	44	44	50	55	..	45	45	50	58	57	61	..	51	56	59	56	57	59	..	63	65	61	51	59	57	..	..	53.8
White Sulphur Spgs§	Maximum	60	62	70	76	80	84	76	70	78	82	88	86	84	80	82	84	85	88	85	88	89	88	84	83	74	78	82	78	78	..	..	80.1
	Minimum	37	46	36	38	42	48	52	54	45	44	46	56	58	58	50	48	56	60	56	56	60	62	64	65	62	50	55	55	48	52	..	52.0
Williamson§	Maximum	87	65	60	77	80	85	87	79	75	82	82	90	88	80	89	90	89	93	94	92	94	94	94	90	84	85	85	85	84	..	..	84.8
	Minimum	63	60	47	45	48	51	58	56	51	50	50	60	66	67	65	66	67	69	69	69	70	69	60	61	60	60	60	77	76	76	..	61.5

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.256	.278	.199	.201	.166	.222	.200	.200	.056	.200	.211	.222	.198	.245	.277	.239	.244	.174	.222	.284	.224	.308	.204	.235	.213	.087	.260	.260	.100	.200	....	6.385
	Wind movement	48	91	100	75	28	85	36	49	53	54	36	27	46	63	66	31	33	37	27	42	23	45	47	17	21	36	37	42	46	45	....	1,391

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 7-30-29—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVII   Parkersburg, W. Va., July, 1929   No. 7

GENERAL SUMMARY

The month averaged cooler and considerably drier than usual, but the rainfall was unfavorably distributed and there were well-marked periods of warm and cool weather. Owing to heavy rain near the close of the month the precipitation was generally in excess over the southern counties. Dry weather prevailed over the northern counties, especially over the mountain and the eastern panhandle, where the streams were low and the drought rather severe. The warmest weather prevailed near the close of the first decade and during the last week. Crops made good to excellent growth, except in localities where the drought was severe. Some fields of corn were knocked down by wind squalls during thunderstorms. Wheat, hay and oats were harvested under generally favorable weather conditions.

TEMPERATURE

The monthly mean for the State, determined from 42 stations, was 72.7°. The departure from the normal for 34 stations having ten or more years of record was —0.8°. The temperature was somewhat below the normal until the 4th, with the lowest reading of the month on the 3d at about half the stations. Warm weather prevailed from the 5th to the 14th and during the last week. The lowest temperature for the month occurred at many stations on the 21st.

PRECIPITATION

The average precipitation for the State, determined from 77 stations, was 4.09 inches. The departure from the normal for 53 stations having ten or more years of record was —0.42 inch. The rainfall was generally much the heaviest over the southern counties. It was lightest over the extreme eastern counties. The bulk of the rainfall was received on the 1st-2d, from the 5th to the 15th, and on the 26-27th. Light showers fell on the 19th and 22d. The greatest amounts were measured on the 12th and 26-27th.

HIGH WIND

About 9 p. m., July 25, a severe wind storm occurred over a small area in North Point Pleasant. A large brick loft of the Marietta Manufacturing Company was blown down, and the roof of a large stone building belonging to the company was considerably damaged. The path of the storm was from 250 to 300 feet in width, extending from the northwest to the southeast. No other damage reported. There were no indications of a marked rotary movement, but no one observed the storm. The damage was probably caused by a wind-rush during a severe rain and thunderstorm.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 24th, 29th, and 30th; Bancroft, 17th, 18th, 21st, and 26th; Elkins, 6th, 13th, 16th, 17th, 28th, 30th, and 31st; Hinton, 2d, 6th, 11th, 18th, 23d, 24th, and 29th; Fairmont, 30th; Marlinton, 3d, 6th, 8th, 9th, 11th, 17th, 18th, 20th, 28th, 29th, and 30th; St. Marys, 3d, 17th, and 18th; Terra Alta, 11th, 13th, and 28th; Wheeling, 13th, 17th, and 30th.

Frost, light: Bayard and Stony River Dam, 20th; Arbovale, 21st.

Frost, heavy: Bayard, 21st.

Thunderstorms (dates and number of stations reporting): 1st, 3; 2d, 2; 5th, 6; 6th, 6; 7th, 6; 8th, 2; 9th, 12; 10th, 8; 11th, 3; 12th, 5; 13th, 2; 14th, 3; 15th, 1; 17th, 1; 18th, 2; 21st, 1; 24th, 1; 25th, 7; 26th, 14; 27th, 6; 28th, 1; 29th, 6.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.06	80	56	63	328.2	73	3,640	4.9	23	sw.	11
Columbus, Ohio	30 06	76	51	59	296.9	65	5,183	7.0	40	nw.	5
Elkins	30.07	84	54	72	292.8	65	2,651	3.6	27	w.	26
Lexington, Ky	30.08	80	60	.....	283.2	58	7,048	9.5	52	nw.	1
Parkersburg	30.08	76	52	64	262.5	58	2,991	4.0	20	nw.	18
Pittsburgh, Pa	30 05	75	52	57	326.1	71	6,198	8.3	33	w.	18
Wytheville, Va	30.07	85	60	74	264.0	59	3,014	4.1	23	w.	1

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	67.5	.....	.....	5.59	.....	.....	......	.....	.....	.....	.....
1892	73.4	98	41	4.20	.....	.....	......	9	.....	.....	.....
1893	73.8	98	42	2.96	5.95	1.37	......	9	20	10	1
1894	73.3	100	36	2.21	4.84	0.50	......	7	10	19	2
1895	70.5	99	39	4.35	7.04	1.65	......	9	11	13	7
1896	73.3	97	46	9.07	15.70	2.91	......	14	9	12	10
1897	74.2	102	46	5.43	9.92	2.85	......	13	11	12	8
1898	75.0	103	40	4 46	8.33	1.53	......	13	12	7	12
1899	73.3	100	33	3.78	7.92	0.20	......	9	14	10	7
1900	74 7	104	41	4 38	7.88	1.72	......	13	15	11	5
1901	77.4	104	47	3.16	6.21	0.69	......	9	14	12	5
1902	74.2	104	45	3.54	8.42	0.96	......	8	14	12	5
1903	72.5	100	37	3.74	8.30	1.82	......	10	16	10	5
1904	71.5	97	42	3.28	6.00	1.04	......	10	14	12	5
1905	73.3	98	43	5.92	10.64	3.00	......	14	12	11	8
1906	72 4	98	45	4.54	7.40	1.50	......	12	12	11	8
1907	72.7	98	42	6.66	13.36	1.99	......	13	12	14	5
1908	74 0	100	41	5.21	9.43	2.08	......	11	14	13	4
1909	70.2	96	36	4.17	10.50	0.60	......	11	14	11	6
1910	73.8	98	41	4.92	13.16	0.54	......	11	13	12	6
1911	73.3	106	40	2.82	6.94	0.40	......	5	16	12	3
1912	72.0	100	45	7.48	15 22	2.67	......	13	12	12	7
1913	74.2	103	40	5.80	10.07	2.14	......	12	15	12	4
1914	73.1	106	38	4.11	7.74	0.98	......	7	16	10	5
1915	71.9	99	38	4 63	11.31	1.82	......	13	12	11	8
1916	74.8	102	42	3.49	9.47	1.06	......	9	16	8	7
1917	72.6	104	44	4.83	8 27	1.25	......	12	14	10	7
1918	70.3	101	38	3.18	6.90	1.04	......	8	17	7	7
1919	74.3	104	41	5.51	13.08	1.96	......	10	18	7	6
1920	70.1	99	40	4.84	8.94	2.34	......	10	16	8	7
1921	75.6	101	44	3.58	8.90	1.08	......	9	16	10	5
1922	72.9	99	43	4.53	8.05	1.33	......	11	15	8	8
1923	71.7	100	37	4.70	9.46	2.22	......	10	16	8	7
1924	70.0	99	36	4.49	7.63	1.65	......	11	16	9	6
1925	72.2	102	31	5.05	7.84	1.08	......	11	13	11	7
1926	72.6	107	37	4.45	8.07	0.83	......	10	15	8	8
1927	72.3	100	36	5.09	12.40	1.65	......	10	15	9	7
1928	73.5	102	35	4.23	8.97	1.10	......	11	15	10	6
1929	72.7	104	32	4.09	10.61	0.80	......	10	15	10	6
1891-1929	72.8	107	31	4.58	15.70	0.20	......	10	14	11	6

Climatological Data for July, 1929

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	28	66.8	−0.8	91	6†	32	21	46	4.57	−0.43	1.23	0	10	18	12	1	sw.	U. G. Clark
Brandywine	Pendleton	1,586	13	70.6	−0.3	94	24	39	21	40	1.25	−2.38	0.50	0	5	25	0	6	n.	Elmer Keister
Harpers Ferry	Jefferson	244	40	......	......	......	......	......	......	......	3.65	+0.19	0.83	0	8	......	......	......	......	J. C. Newcomer
Martinsburg	Berkeley	435	37	^{a}74.9	−0.4	99^{a}	28	45	16†	43^{a}	1.10	−2.68	0.35	0	8	20	11	0	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	33	74.3	0	101	29	42	21	42	2.21	−1.21	1.60	0	5	29	1	1	......	M. S. Henkel
Perry	Hardy	......	1	......	......	......	......	......	......	......	4.34	......	1.15	0	8	15	9	7	s.	R. J. Leibold
Piedmont	Mineral	1,053	16	72.0	0	96	28	42	21	44	1.22	−2.47	0.40	0	8	18	11	2	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	31	^{g}74.0	−0.9	100^{g}	28	41^{f}	21	47^{l}	1.64	−1.98	1.05	0	3	11	16	4	......	George E. Bergdoll
Stony River Dam	Grant	3,300	9	......	......	......	......	......	......	......	1.59	......	1.09	0	5	12	9	10	w.	A. C. Becker
Upper Tract	Pendleton	1,230	30	71.0	−1.0	95	27	40	6†	47	0.80	−2.88	0.80	0	1	19^{e}	1^{e}	6^{e}	w.	J. M. Mallow
Wardensville	Hardy	1,200	12	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	5	......	......	......	......	......	......	......	4.52	......	1.32	0	8	9	19	3	w.	L. Else Bond
Alma (near)	Tyler	......	2	......	......	......	......	......	......	......	3.19	......	0.70	0	12	16	13	2	......	D. N. Furbee
Bens Run	Pleasants	652	27	75.1	+0.1	95	28†	49	3†	37	3.63	−0.92	0.86	0	9	19	10	2	......	J. D. Riggs
Brownsville	Lewis	1,032	6	73.0	......	95	18	39	21	46	3.63	......	1.01	0	13	12	16	3	......	George M. Myers
Bruceton Mills	Preston	1,549	12	......	......	......	......	......	......	......	2.90	−2.40	1.35	0	4	9	18	4	sw.	Mrs Ola Wolf
Buckhannon	Upshur	1,411	32	70.2	−1.8	86	9†	45	3	33	3.74	−1.58	1.20	0	11	20	9	2	......	H. A. Darnall
Cairo ††	Ritchie	680	30	73.3	−0.9	91	7†	45	3	39	4.25	+0.38	1.10	0	12	18	10	2	......	O. C. Hess
Clarksburg	Harrison	1,015	7	73.6	......	95	28	43	21	42	3.18	......	0.99	0	10	15	14	2	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	18	......	......	......	......	......	......	......	3.23	−2.77	1.00	0	9	8	21	2	......	G. W. Harmon
Crawford	Lewis	1,107	6	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	George W. Blair
Creston	Wirt	640	27	73.5	−1.1	94	24†	43	20	42	2.51	−1.51	0.66	0	9	18	0	13	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	8	......	......	......	......	......	......	......	2.22	......	0.65	0	10	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	13	......	......	......	......	......	......	......	3.93	+0.51	1.82	0	11	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	13	......	......	......	......	......	......	......	2.11	−1.74	0.67	0	10	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	8	......	......	......	......	......	......	......	2.39	......	0.72	0	10	......	......	......	......	Lockmaster
Davis	Tucker	3,093	20	......	......	......	......	......	......	......	4.36	−1.20	1.10	0	14	10	19	2	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt ††	615	17	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	28	68.6	−1.7	87	28	41	21	39	5.26	−0.12	1.29	0	15	7	13	11	w.	U. S. Weather Bureau
Fairmont	Marion	883	23	74.7	+0.7	98	28	45	3†	41	2.38	−2.22	0.78	0	10	17	9	5	w.	J. C. Robinson
Glenville	Gilmer	738	35	74.5	−0.5	94	9†	45	3†	45	3.41	−1.88	0.80	0	12	19	8	4	w.	Howard R. Brannon
Grafton ††	Taylor	1,000	36	^{c}70.2	−2.6	93^{c}	28†	35^{b}	20	53^{d}	1.69	−2.06	0.53	0	4	18^{a}	11^{a}	1^{a}	w.	Curtis Boice
Horner ††	Lewis	1,044	6	......	......	......	......	......	......	......	4.43	......	1.25	0	11	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	4	......	......	......	......	......	......	......	3.63	......	2.23	0	8	18	3	10	w.	J. W. White
Janelew (near)	Lewis	1,020	6	73.4	......	93	7†	41	3†	43	3.32	......	1.25	0	7	18	8	5	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	31	72.5	−0.3	93	28	40	3†	43	4.89	+0.11	2.34	0	8	16	9	6	w.	Allen Smith
Mannington	Marion	985	26	70.4	−1.6	89	28†	40	21	41	1.76	−3.21	0.48	0	13	17	6	8	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	36	^{a}73.8	+0.1	95	31	46^{a}	3	34^{a}	1.81	−3.17	0.50	0	7	4	19	8	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	31	^{a}71.8	−1.0	97^{a}	27	41	21	39^{a}	3.90	−0.23	1.19	0	13	13	8	10	s.	Geo. W. Derouin
New Martinsville	Wetzel	631	35	74.5	−0.8	94	28†	45	3	43	3.55	−1.25	0.85	0	8	18	10	3	s.	Wm. Ankrom
Parkersburg	Wood	638	42	74.8	−0.6	93	24	50	3	32	4.35	+0.06	1.63	0	12	10	9	12	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	29	69.7	−0.4	89	9	42	3	40	5.06	−0.06	1.02	0	8	21	7	3	......	J. W. Swisher
Parsons No.2	Tucker	......	3	......	......	......	......	......	......	......	5.37	+0.25	1.38	0	12	16^{a}	12^{a}	2^{a}	......	Robert T. Deem
Philippi	Barbour	1,550	32	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Prof W. W. Thomson
Philippi No.2	Barbour	......	......	......	......	......	......	......	......	......	5.58	+0.60	1.35	0	14	......	......	......	......	H. F. Brittingham
Pickens ††	Randolph	2,697	26	66.2	−2.3	88	28†	35	3	41	7.52	+1.15	2.50	0	9	20	9	2	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	6	......	......	......	......	......	......	......	3.82	......	1.29	0	11	25	5	1	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	42	......	......	......	......	......	......	......	3.27	−1.75	0.78	0	11	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	20	......	......	......	......	......	......	......	3.17	−0.94	0.61	0	15	......	......	......	sw.	Wm. Hughes
Terra Alta	Preston	2,559	28	66.6	−2.5	86	31	37	3	39	4.38	−1.18	1.11	0	16	5	18	8	sw.	J. J. Shanahan, E. M.
Thomas	Tucker	......	0	......	......	......	......	......	......	......	6.65	......	1.61	0	13	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	6	73.5	......	95	28	42	3†	42	3.49	......	0.97	0	8	17	13	1	w.	J. C. Campbell
Vandalia	Lewis	1,120	6	......	......	......	......	......	......	......	4.23	......	1.29	0	8	......	......	......	......	Creed H. McCue
Wellsburg	Brooke	668	22	71.6	−0.2	92	28†	41	3†	45	5.35	+0.04	1.47	0	10	14	15	2	w.	George P. Pfister
West Milford	Harrison	979	4	......	......	......	......	......	......	......	3.17	......	0.80	0	8	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	31	73.6	−0.7	92	25†	44	3	38	3.60	−1.37	0.80	0	12	2	26	3	......	Weston State Hospital
Wheeling	Ohio	645	42	73.5	−1.4	95	28	40	3	46	4.47	−0.03	1.30	0	11	10	12	9	se.	Miss M. B. Forsyth
Woodlands	Marshall	637	2	......	......	......	......	......	......	......	3.22	......	0.90		12	11	11	9	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	3	......	......	......	......	......	......	......	2.30	......	0.52	0	11	18	9	4	w.	H. S. Sutton
Bancroft	Putnam	574	25	74.2	−0.6	93	29	49	21	36	7.22	+3.18	1.65	0	14	21	0	10	ne.	R. E. Dent
Bluefield °	Mercer	2,558	34	70.2	−1.3	87	8†	41	22	35	3.53	−0.94	0.84	0	11	14	9	3	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	14	......	......	......	......	......	......	......	10.61	+5.56	1.64	0	10	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	26	77.3	+0.4	103	12	51	3	41	3.56	−0.72	1.22	0	7	17	0	14	......	R. O. Fields
Clay	Clay	706	13	......	......	......	......	......	......	......	6.81	+2.62	2.03	0	12	......	......	......	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	3	......	......	......	......	......	......	......	4.39	......	1.15	0	13	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	13	......	......	......	......	......	......	......	3.27	−1.08	1.12	0	11	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	13	......	......	......	......	......	......	......	3.06	−0.73	0.78	0	13	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	2	......	......	......	......	......	......	......	5.02	......	2.50	0	13	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	13	......	......	......	......	......	......	......	5.24	......	2.55	0	10	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	13	72.4	......	89	7†	46	21	36	4.95	+0.67	0.76	0	14	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	32	75.2	+1.1	95	7†	50	4†	41	3.94	−0.01	0.88	0	11	17	5	9	......	Mrs M. L. McClung
Huntington	Cabell	558	32	76.5	+0.1	94	25†	50	3	35	5.86	+1.65	1.93	0	14	5	20	6	sw.	H. N. Robinson
Kanawha Falls	Fayette	615	10	......	......	......	......	......	......	......	7.11	......	1.61	0	9	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	13	......	......	......	......	......	......	......	7.24	+2.52	2.27	0	15	......	......	......	......	Cabin Creek Con. Coal Co
Kermit ††	Mingo	579	3	......	......	......	......	......	......	......	4.02	......	1.35	0	10	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	29	69.8	−1.2	90	9	43	21	37	2.71	−1.37	1.26	0	8	19	8	4	nw.	Geo. T. Argabrite
Logan	Logan	700	26	......	......	......	......	......	......	......	5.81	−0.09	1.29	0	12	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	30	66.0	−1.6	88	30	36	21	36	4.42	−0.89	0.98	0	8	6	24	1	sw.	S. L. Brown
Organ Cave	Greenbrier	......	3	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. J. Hedrick
Point Pleasant	Mason	595	36	74.0	−2.4	104	29	42	19	43	5.70	+1.69	2.64	0	12	7	13	11	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	6	74.2	......	95	27	47	21	39	4.09	......	1.30	0	10	18	0	13	sw.	Lockmaster
Robertsburg	Putnam	570	29	74.7	−0.7	94	28	48	21	43	6.22	+2.88	3.34	0	12	14	0	17	......	M. Frazier
Ryan	Roane	700	26	71.0	−2.3	90	6†	43	20	39	3.59	−0.97	2.04	0	8	13	11	7	......	Wm. E. Ryan
Sharples	Logan	......	9	......	......	......	......	......	......	......	5.67	......	1.21	0	11	......	......	......	......	R. W. Howard
Spencer	Roane	789	25	......	......	......	......	......	......	......	......	......	......	0	......	......	......	......	......	A. M. McKown
Summersville ††	Nicholas	1,894	5	69.8^{f}	......	96^{f}	26	42^{c}	3	44^{i}	......	......	......	......	......	......	......	......	......	J. H. Rohrabaugh
Sutton	Braxton	850	23	73.2	−2.8	94	28	47	21	39	6.17	+1.00	2.10	0	12	19	0	12	......	C. B. Eakle
Union ^{d}††	Monroe	2,250	25	70.7	−0.3	91	29†	45	3	35	2.17	−2.45	0.46	0	8	10	11	6	......	W. M. H. Young
Wayne	Wayne	598	2	......	......	......	......	......	......	......	6.16	......	1.66	0	12	......	......	......	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	19	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	H. E. Green
Williamson	Mingo	673	29	^{a}77.8	......	98^{a}	28	59	3	31^{a}	9.46	+5.20	3.75	0	13	15	0	16	se.	Mrs. T. W. Lowe
State averages and	extremes	......	......	72.7	−0.8	104	29	32	21	47	4.09	−0.42	3.75	0	10	15	10	6	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for July, 1929

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard	Potomac		T.			.12		.11					.11	.60	T	1.23	.01										.21	1.08	T.		.71	.05	1.57
Brandywine	...do	T.				T.							.50	.20	.15					.31			.05				T						1.25
Harpers Ferry ‖	...do		T.				.02		.01	.57		.81				.83				T.				.20			.15				.46		3.65
Martinsburg	...do		.15				.29	T	.35	.55	T	.15				.10								.66			.05	T			T.		1.10
Moorefield	...do						.10					.05	1.60		.28												.15						2.21
Perry	...do					1.33			.01		.93		1.15		.06					.01			.01			.04							4.51
Piedmont	...do		.04			.40	.31		.02				.17		.05											.10				.10			1.22
Romney	...do												1.05			.21											.38						1.64
Stony River Dam	...do												1.09	.18	.06												.18	.08					1.59
Upper Tract	...do	T.						.80						T.																			0.80
Wardensville	...do																																......
Northern Division																																	
Aberdeen	Monongahela	T.						.66	T.	.25	.06		.26		1.32								T.				.92	1.01		.01			4.52
Alma (near)	Ohio	.01				.18	.03		.12	.32	.57		.02		.38					.15						.76	.70	.01					3.19
Bens Run	...do					.50	.25		.16	.15	.47				.38				.46							.56	.60						3.63
Brownsville	Monongahela	.05				.05		.45	.21	.10	.06		.44		1.01	.09				T.			T.	.14			.13	.69		.23	T.		3.63
Bruceton Mills	...do	T.				T		1.35		T.	T.	.75		T.		T.										.30	T	T.	T.		.50		2.90
Buckhannon	...do	.10				T.		.28	.04	.15	.10		.30		.85								T.			.50	1.20	.12	.10				3.74
Cairo	Little Kanawha	T.				.30	.46		.25	.42	.05		.55		.14					.49				1.10		.04	.01	.44		T.			4.25
Clarksburg ‖	Monongahela					.21				.05	.22	.89	.10		.29	.49				T.							.60	.26			.07		3.15
Corthland	...do	.08				.10	.38				.50		1.00		.60											.33	.11			.13			3.23
Crawford ‖	Little Kanawha																																......
Creston	Monongahela	.23					.21	.13		.08	.37															.13	.02	.65			.66		2.51
Dam 10, Mon. R. ‖	Ohio					.01	.08	.12		.10		.28	.65			.15									.03		.47				.30		2.22
Dam 12, O. R.	...do		.21			.55		.11	.02	.51	.10	T.		.25	.49					.27							.82	.60					3.93
Dam 13, O. R.	Monongahela		.05			.10		.02		.67	.32				.01					.10						.02	.55	.27					2.11
Dam 15, Mon. R. ‖	...do		.12				.10	.07		.05	.21	.16	.62														.72	.03			.33		2.39
Davis	...do	.14					.23	.50		.03	.29	.05	1.10	.19	.36	.29				.01			T.				.44	.10			.63		4.36
Elizabeth (D'm 3 L K)	Little Kanawha																																......
Elkins ***	Monongahela	.01	.01			T.	1.28	.01	.02	T.	.21	.02	1.02		.76					.01			.02			.20	1.01	.20		.48			5.26
Fairmont ‖	...do	T.	.02			.19		T.			.20	.25	.26		.06	.31								T.			.28	.03			.78		2.38
Glenville ‖	Little Kanawha	.10	.06			T.		.35		.22	.18	.80	.18		.20									.24			.10	.74			.24		3.41
Grafton ‖	Monongahela					T.	.53				.53			T.									T.			.38	.25						1.69
Horner	...do		.20			.40		.50	.10	.15	.20		.50	.25	1.25								.45				.43						4.43
Horton	...do	.11	.09				T.		T.		.11		.77		.20	.07											.05	2.23					3.63
Janelew (near)	...do	.10									.10		.32		1.25												.60	.85		.10			3.32
Lost Creek	...do	.02	T.			.11	T.		T.	1.17	T		.08		.52					T.			T.	T.		.65	1.35	.99		T.			4.89
Mannington	...do	.10				.23		.10	.20	.02	.18		.11		.04					.01						.48	.20	.05		.04			1.76
Morgantown	...do	T.	.07			.29	.27		T.		.50				.36									T.		.21	T.			.11			1.81
New Cumberland ‖	Ohio	.05	.02			1.19		.86	.55	.12	.28			.02	.10					.30								.06		.28	.07		3.90
New Martinsville	...do						.60		.60	.05	.60				.20				.30							.35	.85						3.55
Parkersburg ***	...do	.06				.14	.17	T.	.11	.24	.73		1.63						.12					.06		.08	.86	.15		T.			4.35
Parsons	Monongahela		.92				.28		T.	.70	1.02		.71		.69												.48			.26			5.06
Parsons No. 2	...do	T.	.11			.10	.23	.41	T.	.59	.10		1.29		1.38								T			.05	.21	.65		.25			5.37
Philippi	...do																																......
Philippi No. 2	...do					.10		.75		.05	.67	.20	.06	.05	.76	1.35	.05			.20			T.	T.			.42	.67			.25		5.58
Pickens	...do	.35	.81			T.		1.05	.23	.40			.52		2.50								T.			.55		1.11		T.			7.52
Roanoke	...do	.08				.01		.70		.04	.37		.20		.72						T.					.14	.19	1.29		.08			3.82
Rowlesburg ‖	...do		.03					.32		.05	.28	.25	.78	.09		.35											.50	.44			.18		3.27
Saint Marys ‖	Ohio	.19	.03			.35	.11	.17	.07	.11	.07	.38	.16		.20	.28				.61				.32			.12						3.17
Terra Alta	Monongahela	.07				.39		.07	.12	.17	.29	.07	.79	.01	1.14								.02			.42	.54	.09	.01	.18			4.38
Thomas	...do		.13				.78	.61		.15	.59	.02	1.61	.15	.35	.25											.58	.18			1.25		6.65
Valley Chapel	...do									.15	.05		.25		.40									.72			.97	.90		.05			3.49
Vandalia	...do					.06	.23				.41		.79		.91								.24				1.29			.30			4.23
Wellsburg	Ohio	.05				1.27	.85		1.47	.05	.08		.22						.18							.18	1.00						5.35
West Milford	Monongahela					.12					.60	.35		.15	.43												.80	.60		.12			3.17
Weston	...do		.10					.25		.30		.05	.20		.50	.60								.35		.05	.20	.80			.20		3.60
Wheeling ‖	Ohio		.01			.46		.07	.02	1.35	.13	T.	T.	.14	.10					.22							1.30	.67			T.		4.47
Woodlands ‖	...do	.12	.06			.01			.14	.70	.40	.03	.01		.16					.30							.90	.39					3.22
Southern Division																																	
Arbovale	Great Kanawha	.47	.01			.17	.07			.08	.05		.52	.01	.10											.50		.32					2.30
Bancroft ‖	...do	.25	1.40				.10	.08		.35	.31	.05	.76			.35				.05								1.40	1.65		.42	.05	7.22
Bluefield	...do	.76	.51			.50				.07	.46	.06	.84			.08							.06				.09					.10	3.53
Camden-on-Gauley ‖	...do		1.60					1.00	.44		.66		1.20	.80		1.64											1.00	1.60		.67			10.61
Charleston ‖	...do	.18	1.22													.54											.20	1.12	.16		.14		3.56
Clay	...do	.16	1.33				.03	.31			.06	.03	1.62	.01		.06											.23	2.03	.90		.04		6.81
Dam 6 G. K. ‖	...do	.19	1.17				.61		.44	.02	.02	.32	.18											.10			.15	.93	.18		.10		4.39
Dam 19 O. R. ‖	Ohio	.45	.18			.04		.20		.28	.03	.27	.53							.12				T.			.05	1.12			T.		3.27
Dam 20 O. R. ‖	...do	.48	.12			.02	.36	.58		.20	.08	.30		.08		.03				.14				.10			T.	.78	T.				3.06
Dam 25 O. R. ‖	...do	.41	.11			.19	.08	.07	.20	.85	.20					.09			.02								.12	2.50	.18				5.02
Dam 26 O. R. ‖	...do	.35	.35								.32	.16	.06	.05		.12												2.55	.62		.66		5.24
ary ‖	Big Sandy	.31	.71				.16	.76				.32	.13	.48	.10	.35	.01						.01					.10	.75		.76		4.95
inton ‖	...do	.03	.35				.15	.28				.25	.16	.55					.01								.72	.58			.88		3.94
untington ‖	Ohio	1.93	.07			.10	.17			.74	.02		.79		.21					.20			.01				.08	1.04		.49		.01	5.86
anawha Falls ‖	Great Kanawha	.22	1.45								1.10	.08	.65			1.58							.02				.40	1.61					7.11
ayford ‖	...do	.06	2.27				.32	.43		.05	.31	.05	.53	.01		1.02				T.			.01				.26	1.57	.01		.34	T.	7.24
ermit ‖	Big Sandy		.50				.30	.25			.10		.62	1.35		.45				.22			.06						.17				4.02
ewisburg	Great Kanawha	.42	.17									T.	.43		.12												.41	.85		.24		.07	2.71
ogan ‖	Guyandotte	1.12	1.29				.38				.55	.06	.45	.15		.20				.10			.13						.58		.80		5.81
arlinton	Great Kanawha	.78	.36			.98				T.			.54	.08	.32												.78	.58		T.			4.42
rgan Cave	...do																																......
oint Pleasant ‖	Ohio	1.30	.20			T.	.10	.40	.10	.12	.12		.12			T.				.20							.12	2.64	.28				5.70
avenswood (Dam 22	Ohio	.36	.43			.19	T.	.72		.05	.12	.05																1.30	.70		.17		4.09
obertsburg ‖	Great Kanawha	.28	.38				.07	.01			.33	.02	.22							.25				T.		.02	T.	3.31	1.07		.23		6.22
van	...do	.79				.01	.04			.02			.54		.06								T.				T.	2.04		.09			3.59
arples	Coal River	.43	1.21				T.	.65			.95	.04	.68			.91				T.			.08				.21	.11			.40		5.67
encer	Great Kanawha																																......
mmersville	Gauley																																......
tton	...do	.10	1.15					.55	.15	.65	.10	.25	.30		.15												.45	2.10		.22			6.17
ion	...do	.14	.28			.46	.01			.07			.45	T.		T.											.35	.38					2.17
ayne ‖	Big Sandy	1.40	1.66								.10		1.12	.23	.02	.20				.10				.05				.28	.51		.49		6.16
hite Sulpr. Spgs. ‖	Great Kanawha																																......
illiamson ‖	Big Sandy	.35	.30				.17	.10			.55		.15	3.75		1.37				.15			.17					.05	2.25		.10		9.46

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for July, 1929

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	76	70	69	83	82	91	86	87	87	79	81	80	87	85	76	79	82	84	83	73	76	79	75	85	84	82	81	91	88	85	88	81.7
	Minimum	62	60	36	37	53	53	55	63	60	57	52	58	53	61	50	46	45	50	56	35	32	46	41	45	60	61	60	54	61	56	48	51.8
Brandywine	Maximum	85	74	81	80	85	90	91	90	92	90	89	87	85	82	80	78	86	87	80	75	76	75	82	94	90	89	88	90	91	92	89	85.3
	Minimum	48	46	44	41	57	62	63	64	60	60	62	60	61	58	59	55	52	57	58	42	39	54	52	54	60	61	60	59	60	62	60	55.8
Martinsburg§	Maximum	87	85	80	79	92	93	95	96	97	90	87	88	88	89	77	84	85	92	80	81	82	75	91	95	92	93	97	99	96	94	..	88.6
	Minimum	59	67	64	60	49	65	67	73	67	69	63	63	65	68	54	45	47	58	66	48	45	60	57	60	65	65	68	67	72	60	60	61.2
Moorfield	Maximum	88	84	72	74	80	78	96	97	98	97	89	87	91	90	83	83	88	92	88	79	80	80	92	97	95	95	95	99	101	99	97	89.2
	Minimum	68	62	43	45	63	60	64	66	65	65	61	65	62	68	60	53	52	60	64	44	42	58	55	59	64	64	65	63	65	61	55	59.4
Piedmont	Maximum	84	74	73	87	87	88	91	90	90	85	84	78	84	86	74	79	84	88	80	76	86	80	90	91	90	89	88	96	84	92	94	85.2
	Minimum	66	58	44	46	57	63	62	63	64	66	61	65	64	67	54	50	49	59	64	45	42	54	60	62	65	64	65	64	66	58	58	58.9
Romney§	Maximum	75	..	92	92	93	96	..	95	..	99	89	86	..	89	85	80	91	93	81	81	85	90	..	..	94	93	96	100	97	97	..	90.2
	Minimum	65	43	..	45	60	63	67	..	64		69	60	62	..	55	49	50	58	66	42	41	57	55	..	..	63	64	64	68	60	57	57.9
Upper Tract	Maximum	85	84	84	82	79	87	88	89	90	89	88	87	87	80	79	75	82	86	86	87	87	88	89	89	88	89	90	95	94	94	90	86.7
	Minimum	63	62	61	56	48	40	56	56	59	58	60	61	56	63	59	59	53	52	50	40	42	46	51	50	51	60	62	60	61	63	52	55.2
Wardensville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Northern Division																																	
Bens Run	Maximum	77	83	80	87	78	90	92	89	93	84	92	89	90	88	82	86	91	91	77	84	80	91	91	92	88	86	88	95	91	95	94	87.5
	Minimum	64	64	49	53	62	65	62	68	68	67	64	69	68	69	63	64	61	60	61	51	49	54	67	64	69	68	65	67	70	60	60	62.7
Buckhannon	Maximum	78	74	70	80	80	85	84	85	86	79	82	80	83	80	75	79	81	82	77	75	78	80	81	82	85	84	79	85	86	83	84	80.7
	Minimum	65	65	45	48	57	60	66	67	67	63	49	64	62	68	57	57	59	59	64	49	46	57	58	60	60	65	63	62	65	68	59	59.8
Cairo	Maximum	78	77	79	87	87	88	91	86	90	81	86	87	88	86	80	86	87	87	77	80	85	87	87	89	88	85	85	91	90	88	..	85.4
	Minimum	63	67	45	49	70	61	63	66	67	65	65	64	66	72	64	59	59	56	62	47	46	49	66	60	63	53	66	64	68	61	..	61.2
Clarksburg§	Maximum	80	74	76	86	87	94	93	87	91	85	92	88	90	83	79	87	90	89	76	79	85	91	88	92	87	90	88	95	92	92	93	87.1
	Minimum	65	66	44	47	63	60	62	65	68	64	62	67	64	70	63	55	58	56	62	49	43	51	60	60	65	64	62	63	68	64	57	60.2
Creston	Maximum	75	76	79	87	85	88	90	87	90	85	88	89	89	87	84	89	90	92	82	82	86	89	89	94	93	92	90	94	93	91	91	87.6
	Minimum	64	67	46	47	62	60	61	63	67	63	65	64	65	69	59	58	56	54	60	43	44	47	60	57	60	62	65	63	64	66	60	59.4
Elkins	Maximum	77	76	70	82	82	86	86	83	86	79	81	80	83	79	76	80	82	82	71	73	76	81	82	85	83	83	80	87	86	84	85	80.6
	Minimum	63	56	42	43	58	57	60	63	64	60	60	63	59	61	59	53	55	55	50	43	41	62	53	57	63	60	59	60	64	60	54	56.7
Fairmont§	Maximum	78	77	79	92	88	96	96	88	93	83	94	90	93	88	82	91	94	81	81	81	86	89	93	94	88	87	90	98	94	94	94	88.8
	Minimum	62	64	45	51	51	63	64	68	68	65	64	69	63	64	61	56	59	64	53	49	45	53	63	63	67	65	63	65	70	62	60	60.6
Glenville	Maximum	78	78	80	90	90	89	91	93	94	84	91	91	91	89	86	91	92	93	91	91	90	92	93	94	94	90	85	94	94	93	94	89.9
	Minimum	62	65	45	45	59	58	61	63	65	61	63	67	62	67	60	58	61	56	54	50	48	51	56	58	63	61	62	63	65	66	58	59.1
Grafton	Maximum	72	85	85	85	86	..	..	86	80	82	83	82	80	80	81	85	83	80	82	88	89	90	92	85	84	82	87	93	92	93	..	84.0
	Minimum	56	59	41	59	58	59	..		60	62	64	57	66	65	50	50	55	59	39	35	47	54	55	59	62	56	60	63	63	65	59	56.4
Lost Creek	Maximum	77	75	78	86	84	91	90	87	90	81	90	87	88	82	80	89	89	90	80	78	83	90	89	91	90	85	85	93	90	91	88	86.0
	Minimum	65	65	40	45	63	60	59	63	67	64	60	67	62	67	61	55	55	55	60	47	40	50	58	60	67	64	61	62	67	65	55	59.0
Mannington	Maximum	75	73	73	83	80	87	87	85	88	80	84	83	85	85	79	82	84	86	74	77	81	84	85	88	86	83	84	89	87	87	89	83.0
	Minimum	60	63	41	46	61	59	61	64	66	63	61	65	62	66	61	52	54	53	60	43	40	48	59	55	61	63	64	64	67	55	55	57.9
Morgantown	Maximum	76	75	75	86	84	90	89	88	90	78	87	85	89	85	80	85	88	89	75	81	82	86	90	90	90	86	86	94	92	92	95	85.8
	Minimum	64	61	46	52	64	64	65	69	68	67	63	65	62	69	59	58	60	58	..	47	54	60	62	67	64	64	63	67	72	58	65	61.9
New Cumberland§	Maximum	78	71	77	87	85	91	88	85	89	83	87	89	89	84	80	84	87	89	73	77	78	84	89	89	83	90	97	90	87	91	..	85.0
	Minimum	54	58	48	55	55	54	61	69	68	67	57	64	62	68	51	52	56	50	56	44	41	51	60	60	71	63	66	69	69	56	58	58.5
New Martinsville	Maximum	79	79	79	87	86	93	91	86	92	82	92	88	89	87	84	90	91	91	75	85	90	91	91	92	89	86	89	94	90	94	93	87.9
	Minimum	63	62	45	50	67	63	64	68	69	66	61	66	62	67	63	56	60	56	61	49	47	52	67	63	65	64	65	66	70	58	60	61.1
Parkersburg	Maximum	78	75	77	87	83	90	90	87	92	85	86	85	89	86	78	85	89	90	74	78	82	85	89	93	90	92	84	93	90	92	90	85.9
	Minimum	66	58	50	55	69	65	69	70	69	66	66	67	66	69	65	62	61	58	59	52	55	57	66	64	71	67	67	69	69	62	63	63.6
Parsons	Maximum	77	72	73	84	85	88	88	88	89	88	84	81	84	75	76	81	82	83	83	82	80	82	85	85	84	83	84	87	82	87	87	82.9
	Minimum	49	57	42	44	58	60	60	60	60	60	60	63	63	67	50	56	55	55	55	45	43	50	60	60	59	59	60	60	63	63	56	56.5
Pickens	Maximum	79	69	68	80	82	86	83	83	85	82	83	78	83	77	80	81	82	81	80	82	80	81	84	82	83	80	80	88	88	83	82	81.1
	Minimum	56	53	35	40	50	56	56	56	55	50	52	58	54	57	50	47	50	49	47	41	53	49	48	50	58	55	56	53	55	56	50	51.3
Terra Alta	Maximum	71	66	67	79	78	84	83	81	82	78	78	77	82	79	72	75	81	81	75	68	71	76	80	81	81	79	77	85	84	85	86	78.1
	Minimum	61	59	37	40	64	55	60	63	63	62	54	61	55	65	52	47	48	52	59	39	39	54	47	60	62	61	59	60	64	51	51	55.0
Wellsburg	Maximum	77	73	76	86	84	91	89	89	88	83	86	85	88	86	82	80	86	88	76	78	86	90	88	88	82	88	88	92	88	92	91	85.3
	Minimum	66	56	41	49	63	59	64	69	65	69	56	61	63	65	54	50	48	55	55	41	42	45	59	65	65	62	63	64	70	54	56	57.9
Weston	Maximum	75	78	76	85	84	90	89	85	90	85	88	89	91	88	85	83	89	88	86	79	82	85	89	90	92	90	88	92	91	88	89	86.4
	Minimum	50	64	44	47	63	58	64	66	68	63	64	68	69	68	65	59	60	58	62	49	45	55	60	60	64	65	64	68	69	68	59	60.8
Wheeling§	Maximum	79	79	80	90	86	94	92	86	90	86	96	91	91	91	86	89	91	94	79	81	90	92	93	90	86	90	91	98	93	98	96	89.3
	Minimum	59	58	40	48	60	61	64	65	66	64	59	64	64	64	57	50	55	54	54	45	44	46	52	65	64	61	60	54	72	62	59	57.7
Southern Division																																	
Bluefield	Maximum	81	80	73	..	83	83	..	87	87	85	81	76	82	..	83	78	81	85	83	73	..	76	82	83	80	85	84	..	87	87	85	81.9
	Minimum	49	63	51	..	53	57	..	63	61	59	61	64	62	..	62	56	59	60	60	55	..	41	54	56	64	64	64	..	57	67	61	58.6
Charleston§	Maximum	85	80	88	92	87	94	95	93	102	101	94	103	91	88	81	94	97	94	85	85	88	90	92	96	96	95	87	97	99	93	81	91.7
	Minimum	60	63	51	53	63	64	65	66	67	60	66	67	67	70	63	60	62	62	64	53	53	58	60	63	66	66	66	67	70	70	65	62.9
Gary§	Maximum	82	75	75	86	84	88	89	87	89	84	87	78	84	82	81	82	85	86	78	79	79	77	84	86	83	88	78	88	89	87	87	83.5
	Minimum	63	66	55	50	61	60	64	61	62	62	64	67	64	66	66	56	60	62	62	55	46	58	56	59	63	65	65	61	65	69	64	61.2
Hinton§	Maximum	83	80	82	91	84	87	95	94	94	91	88	85	91	86	75	88	88	93	84	87	90	87	93	93	92	94	89	95	94	94	91	89.0
	Minimum	57	66	54	50	54	63	64	63	63	63	65	67	68	67	67	57	59	64	65	56	50	53	59	61	62	67	62	64	65	68	64	61.5
Huntington	Maximum	86	80	81	88	84	92	92	91	93	87	90	88	89	90	86	87	92	91	85	86	87	85	89	92	91	93	87	94	94	93	91	88.8
	Minimum	66	69	50	53	68	67	68	67	67	67	66	67	69	70	64	61	64	62	65	53	52	55	63	63	67	67	67	68	72	65	68	64.2
Lewisburg	Maximum	81	74	72	82	82	86	85	85	90	85	80	77	83	82	75	79	82	83	80	75	78	77	85	86	84	85	82	87	87	86	84	81.9
	Minimum	61	64	44	45	58	58	63	57	59	59	61	65	63	62	64	51	53	57	58	49	43	60	53	54	61	62	61	59	60	63	58	57.6
Marlinton	Maximum	74	70	68	76	76	80	74	82	84	84	78	72	76	78	70	74	76	78	76	75	72	74	80	82	80	82	80	86	84	88	82	77.9
	Minimum	62	48	42	40	52	56	60	56	58	56	56	60	58	56	54	54	52	56	54	42	36	54	54	54	56	58	58	58	60	62	52	54.0
Point Pleasant	Maximum	80	70	80	90	90	90	90	91	91	90	93	93	85	98	98	90	95	90	70	75	70	85	88	92	94	98	91	96	104	94	91	88.5
	Minimum	50	49	48	64	64	61	68	69	65	61	65	60	60	74	55	53	70	55	42	46	44	50	55	60	64	64	64	68	70	64	63	59.5
Ravenswood	Maximum	89	78	80	85	86	88	87	89	90	74	88	89	87	87	88	88	90	91	88	80	84	89	89	91	92	94	95	93	92	91	91	87.9
	Minimum	64	65	48	52	52	63	64	67	67	65	64	54	65	70	64	59	58	56	52	51	47	50	67	60	62	64	67	67	70	64	62	60.6
Robertsburg§	Maximum	83	75	78	86	85	90	91	92	93	81	86	92	89	86	81	89	90	92	80	87	91	87	90	91	90	92	89	94	90	92	91	87.3
	Minimum	64	67	49	52	58	65	65	60	70	65	65	66	66	70	64	58	59	57	60	49	48	51	61	62	63	65	65	65	69	65	68	61.6
Ryan	Maximum	75	75	75	85	85	90	90	87	80	78	82	80	85	85	85	85	88	89	85	82	83	80	85	88	88	85	80	90	85	90	86	84.1
	Minimum	61	60	44	47	58	60	59	61	60	59	61	64	60	65	58	56	55	51	67	43	52	49	60	55	56	60	63	61	62	63	58	57.8
Spencer§	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Sutton	Maximum	79	72	75	87	87	93	93	92	85	83	85	85	88	88	82	87	88	90	90	80	86	87	88	92	92	88	87	94	90	90	90	86.9
	Minimum	60	61	49	48	60	63	62	63	62	60	62	65	63	62	63	58	61	59	61	49	47	49	55	59	62	63	61	63	66	64	60	59.4
Union	Maximum	79	76	76	84	84	77	..	89	90	86	77	78	85	..	86	82	85	87	86	80	..	77	86	88	88	85	88	..	91	91	91	84.3
	Minimum	46	64	45	46	58	55	..	57	57	62	64	65	62	..	63	52	55	56	60	53	..	46	51	54	64	63	61	..	57	66	59	57.1
White Sulphur Spgs§	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Williamson§	Maximum	87	79	85	91	83	92	94	95	96	88	94	82	85	85	75	77	78	80	75	80	78	80	85	96	97	95	97	98	95	93	..	87.2
	Minimum	69	69	59	60	70	70	71	70	72	69	70	70	70	67	68	67	67	69	68	59	60	63	65	67	70	73	72	74	75	74	72	68.4

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.101	.111	.266	.222	.243	.222	.241	.274	.144	.232	.156	.176	.148	.219	.211	.153	.171	.224	.255	.251	.280	.259	.167	.216	.213	.253	.127	.156	.238	.166	.242	6.337
	Wind movement	51	52	58	35	53	44	35	53	63	41	34	18	17	34	53	42	20	23	44	73	54	45	28	29	50	74	32	22	25	28	23	1,253

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 8-22-29—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXVII PARKERSBURG, W. VA., AUGUST, 1929 No. 8

GENERAL SUMMARY

August was cool and dry. With the exception of four or five days, the temperature averaged below the normal and decidedly cool weather for August prevailed during three short periods. The rainfall was unfavorably distributed, the amounts over the eastern panhandle counties and most of the mountain regions being insufficient for plant growth and an adequate water supply. The conditions were also droughty in many other localities, although the rainfall was slightly in excess at about one-fourth of the stations for the State, owing to hard local showers. Crops made poor growth, except corn. The condition of corn was generally good at the close of the month. The potato crop was severely reduced by drought. The ground was too dry for fall plowing in many localities.

TEMPERATURE

The monthly mean for the State, determined from 45 stations, was 69.1°. The departure from the normal for 36 stations having ten or more years of record was —2.9°. The temperature was slightly above the normal on the 1st, 11-12th, and 23d-24th. Cool weather prevailed during the other portions of the month and the temperature was much below the normal on the 4-6th and 15-16th and from the 27th to the close of the month, the lowest readings being noted generally on the 16th and 31st.

PRECIPITATION

The average precipitation for the State, determined from 80 stations, was 3.31 inches. The departure from the normal for 56 stations having ten or more years of record was —0.66 inch. The rainfall was generally the heaviest over the western and southern counties and was lightest over the eastern panhandle counties. Nearly all the rainfall was received on the 3d-4th, 11-12th, 14th, 19th, and 22d-23d, but there were scattered showers on the 6-7th, 27-28th and 29-30th.

LIGHT HAIL

Light hail fell in sections of Berkeley, Hampshire and Lewis counties.

HEAVY HAIL

Moderately heavy hail fell over the central portion of Hampshire County on August 27. The storm was most severe near Hoy. The storm came from the northwest, was about one mile in width, and moved from three to four miles. The stones were about three-fourths of an inch in diameter. The esti-nated crop-damage was $15,000.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 30th and 31st; Bancroft, 5th, 8th, th, 10th, 12th, 13th, 16th, 18th, and from the 25th to the 1st; Clay, 5th, 9th, 12th, 19th, and from the 27th to the 1st; Hinton, 2d, 5th, 8th, 10th, 12th, 13th, 19th, 24th, 26th, 8th, and 31st; Huntington, 16th and 31st; Marlinton, 1st, 2d, 5th, 12th to the 22d, and from the 24th to the 31st; New Cumberland, 17th, 26th, and 31st; Parkersburg, 16th; Parsons, 9th; Pt. Pleasant, 12th, 16th, 17th, 27th, and 31st; Terra Alta, 9th, 19th, and 30th; Wheeling, 9th, 13th, 17th, 21st, and from the 26th to the 31st.

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Frost, light: Bayard, 31st; Bruceton Mills, 19th; Davis, 30th; Horton, 31st.

Thunderstorms (dates and number of stations reporting): 1st, 5; 2d, 3; 3d, 7; 11th, 5; 12th, 1; 13th, 3; 14th, 7; 18th, 1; 19th, 4; 22d, 8; 23d, 13; 24th, 4; 26th, 1; 27th, 8; 28th, 4.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.04	82	52	56	294.6	70	3,345	4.5	22	nw.	13
Columbus, Ohio	30.05	77	51	57	266.5	63	4,899	6.6	30	nw.	13
Elkins	30.06	90	54	74	227.3	54	2,385	3.2	24	nw.	27
Lexington, Ky	30.05	77	52	....	282.6	67	7,017	9.4	38	n.	23
Parkersburg	30.06	77	52	64	244.4	58	2,714	3.6	22	nw.	14
Pittsburgh, Pa	30 04	79	50	54	295.2	58	5,055	6.8	27	nw.	4
Wytheville, Va	30.02	88	58	74	257.0	61	2.799	3.8	18	w.	3

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 01 inch or more	Clear	Partly Cloudy	Cloudy
1891	69.8	.....	.....	5.48	.....	.....	.....	.....	.....	.....	.....
1892	72.1	96	41	2.55	.....	.....	.....	7	.....	.....	.....
1893	70.8	98	41	3 38	.....	.....	.....	.....	.....	.....	.....
1894	71.5	103	38	2.07	5.15	0.27	.....	6	14	12	5
1895	73.3	104	40	3.01	7.69	1.15	.....	8	15	11	5
1896	72.6	97	40	2.82	5.69	0.88	.....	7	15	12	4
1897	70.9	100	42	2.91	5.93	0.77	.....	9	13	14	4
1898	73.7	96	44	7.51	11.57	4.40	.....	12	12	12	7
1899	73.5	100	34	2.64	6.37	0.34	.....	6	15	11	5
1900	76.0	100	45	3.15	7.20	1.03	.....	8	17	10	4
1901	73.6	98	43	5.14	13.70	1.64	.....	12	10	13	8
1902	70.4	98	35	2.40	6.05	0.97	.....	7	15	13	3
1903	71.4	105	38	2.64	5.85	0.99	.....	8	12	13	6
1904	70.7	95	32	2.88	6.71	0.67	.....	9	15	10	6
1905	71.3	96	40	4.25	8.32	1.32	.....	9	14	11	6
1906	75.4	98	47	5.15	10.72	2.18	.....	13	10	13	8
1907	69.4	93	41	4.64	10.12	1.55	.....	11	13	10	8
1908	70.9	101	37	2.82	5.63	0.84	.....	7	15	10	6
1909	70.8	99	37	3.03	5.79	0.81	.....	6	16	10	5
1910	70.8	98	39	2.03	5.58	0.70	.....	5	17	10	4
1911	73.5	105	40	6.71	12.14	2.38	.....	12	13	10	8
1912	69.3	95	35	3.64	11.70	0.25	.....	11	10	13	8
1913	72.7	102	37	3.18	8.20	0.79	.....	6	19	7	5
1914	71.8	100	40	4.86	9.29	1.38	.....	10	15	9	7
1915	69.4	99	36	4.84	8.36	2.46	.....	14	10	11	10
1916	72.9	104	40	4.76	15.35	1.46	.....	10	14	9	8
1917	71.6	102	39	3.53	8.80	0.94	.....	8	17	8	6
1918	76.0	110	43	3.96	9.15	0.63	.....	9	17	8	6
1919	70.2	100	40	4.54	8.67	0.95	.....	11	16	9	6
1920	71.1	95	42	4.27	9.28	1.69	.....	14	9	10	12
1921	69.7	98	37	5.20	9.46	2.13	.....	9	16	8	7
1922	68.9	98	31	3.87	7.51	1.20	.....	10	14	9	8
1923	71.0	99	33	4.39	12.42	1.60	.....	10	15	8	8
1924	71.7	104	34	4.63	9.34	0.69	.....	9	18	8	5
1925	70.7	100	33	1.86	4.92	0.20	.....	7	18	8	5
1926	74.0	105	38	6.94	15.36	2.95	.....	13	13	7	11
1927	67.1	94	34	4.33	8.03	1.34	.....	11	12	9	10
1928	74.0	103	39	5.36	8.43	1.85	.....	14	11	8	12
1929	69.1	101	33	3.31	5.75	0.14	.....	7	16	8	7
1891-1929	71.6	110	31	3.97	15.36	0.14	.....	9	14	10	7

Climatological Data for August, 1929

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.: Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation, in inches: Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	No. of days: Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Panhandle Division																				
Bayard	Grant	2,375	28	63.8	−2.2	86	10	33	31	46	4.64	+0.12	1.34	0	9	14	12	5	w.	U. G. Clark
Brandywine	Pendleton	1,586	13	70.1	0	94	15	38	31	47	1.35	−1.73	0.50	0	3	26	0	5	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	40	....	....	....	....	....	....	....	1.25	−2.62	0.76	0	3	....	....	....	....	J. C. Newcomer
Martinsburg	Berkeley	435	37	^{a}71.6	−1.4	95^{a}	12†	43	31	41^{a}	2.07	−1.74	1.25	0	6	26	4	1	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	33	73.8	+0.2	101	14	40	31	52	1.57	−1.59	0.64	0	5	29	2	0	....	M. S. Henkel
Perry	Hardy	....	1	....	....	....	....	....	....	....	3.67	....	1.18	0	8	10	11	10	sw.	R. J. Leibold
Piedmont	Mineral	1,053	16	68.6	−1.8	94	1	42	31	41	1.79	−1.80	0.55	0	6	23	4	4	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	31	^{c}71.2	−1.7	99^{e}	1	42^{d}	31	49^{i}	1.14	−2.85	0.39	0	4	8	14	9	....	George E. Bergdoll
Stony River Dam	Grant	3,300	9	....	....	....	....	....	....	....	1.22	....	0.83	0	2	13	8	10	w.	A. C. Becker
Upper Tract	Pendleton	1,230	30	^{a}71.2	0	93^{a}	1†	41^{a}	16	42^{a}	0.77	−2.58	0.32	0	3	20	0	11	w.	J. M. Mallow
Wardensville	Hardy	1,200	12	^{a}70.3	....	98^{a}	9	35	20†	53^{a}	0.14	....	0.10	0	2	....	....	....	....	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	5	....	....	....	....	....	....	....	2.25	....	1.05	0	8	12	13	6	w.	L. Else Bond
Alma (near)	Tyler	....	2	....	....	....	....	....	....	....	4.38	....	2.16	0	8	19	5	7	....	D. N. Furbee
Bens Run	Pleasants	652	27	70.6	−3.2	92	1†	50	16†	38	4.97	+0.73	2.08	0	6	17	12	2	....	J. D. Riggs
Brownsville	Lewis	1,032	6	68.8	....	91	2†	42	16	43	4.35	....	1.43	0	10	17	7	7	....	George M. Myers
Bruceton Mills	Preston	1,549	12	....	....	....	....	....	....	....	4.72	+0.07	1.70	0	5	17	10	4	sw.	Mrs Ola Wolf
Buckhannon	Upshur	1,411	32	66.4	−3.9	84	12	41	31	32	2.14	−1.96	1.05	0	6	24	3	4	....	H. A. Darnall
Cairo ††	Ritchie	680	30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	O C. Hess
Clarksburg	Harrison	1,015	7	68.6	....	93	13	45	31	41	2.59	....	0.77	0	9	11	15	5	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	18	....	....	....	....	....	....	....	1.91	−2.23	0.60	0	7	6	21	4	....	G. W. Harmon
Crawford	Lewis	1,107	6	....	....	....	....	....	....	....	4.40	....	2.03	0	9	14	13	4	w.	George W. Blair
Creston	Wirt	640	27	69.6	−3.8	90	1†	44	16	42	3.35	−0.10	0.83	0	8	22	0	9	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	8	....	....	....	....	....	....	....	4.58	....	1.06	0	8	....	....	....	....	Lockmaster
Dam 12 O. R.	Ohio	660	13	....	....	....	....	....	....	....	2.86	−1.91	1.03	0	7	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	13	....	....	....	....	....	....	....	2.09	−2.44	0.60	0	6	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	8	....	....	....	....	....	....	....	3.53	....	1.75	0	10	....	....	....	....	Lockmaster
Davis	Tucker	3,093	20	....	....	....	....	....	....	....	2.41	−2.57	0.86	0	9	7	21	3	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt ††	615	17	....	....	....	....	....	....	....	4.08	−0.29	1.86	0	8	....	....	....	....	Lockmaster
Elkins	Randolph	1,947	28	65.3	−3.8	85	1	37	17	37	1.81	−2.05	1.20	0	7	8	11	12	nw.	U. S. Weather Bureau
Fairmont	Marion	888	23	70.0	−2.7	94	12	46	31	40	4.67	+0.98	1.35	0	8	10	10	11	w.	J. C. Robinson
Glenville	Gilmer	738	35	72.8	−0.2	94	1	45	31	39	2.78	−1.13	1.10	0	6	17	7	7	w.	Howard R. Brannon
Grafton ††	Taylor	1,000	36	....	....	....	....	....	....	....	4.35	+0.45	....	0	....	....	....	....	....	Curtis Boice
Horner	Lewis	1,044	6	....	....	....	....	....	....	....	4.05	....	2.10	0	3	....	....	....	....	Foster R. Hardman
Horton	Randolph	2,840	4	....	....	....	....	....	....	....	2.03	....	0.76	0	5	19	0	12	w.	J. W. White
Janelew (near)	Lewis	1,020	6	69.2	....	91	12	43	16†	42	3.42	....	1.22	0	6	19	5	7	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	31	68.0	−3.0	91	10	41	16†	43	3.56	−0.48	1.42	0	7	17	10	4	w.	Allen Smith
Mannington	Marion	985	26	66.2	−4.7	87	1	43	20†	38	3.32	−0.60	1.38	0	8	14	11	6	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	36	^{a}68.9	−3.4	90	1†	46^{a}	31	35^{a}	4.30	+0.12	1.22	0	8	1	17	13	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	31	^{a}67.2	−3.7	90^{a}	11	44	20	38^{a}	2.00	−1.48	0.44	0	6	13	11	7	n.	Geo. W. Derouin
New Martinsville	Wetzel	634	35	70.1	−4.0	92	13	48	5	39	4.60	+1.10	1.70	0	5	21	4	6	s.	Wm. Ankrom
Parkersburg	Wood	638	42	70.2	−3.7	90	1	49	16	34	3.87	+0.36	1.63	0	10	13	9	9	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	29	67.1	−2.1	86	1	45	29†	36	3.69	−0.10	1.78	0	8	20	5	6	....	J. W. Swisher
Parsons No. 2	Tucker	....	3	....	....	....	....	....	....	....	3.62	−0.17	1.50	0	10	15	11	5	....	Robert T. Deem
Philippi	Barbour	1,550	32	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Prof. W. W. Thomson
Philippi No. 2	Barbour	....	....	....	....	....	....	....	....	....	3.41	−0.64	0.95	0	10	....	....	....	....	H. F. Brittingham
Pickens	Randolph	2,697	26	62.2	−4.5	90	22	35	15†	41	5.65	+0.54	2.43	0	7	20	4	7	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	6	....	....	....	....	....	....	....	4.76	....	2.17	0	7	25	4	2	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	42	....	....	....	....	....	....	....	4.03	+0.16	1.39	0	9	....	....	....	....	Walter H. Bolyard
Saint Marys	Pleasants	577	20	....	....	....	....	....	....	....	3.34	−1.42	0.67	0	9	....	....	....	....	Wm. Hughes
Terra Alta	Preston	2,559	28	63.0	−4.9	83	1†	36	31	40	5.21	+0.22	1.20	0	9	4	12	15	sw.	J. J. Shanahan, E. M.
Thomas	Tucker	....	0	....	....	....	....	....	....	....	3.21	....	1.00	0	8	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	6	68.7	....	92	4†	38	5	54	2.92	....	1.50	0	6	20	9	2	w.	J. C. Campbell
Vandalia	Lewis	1,120	6	....	....	....	....	....	....	....	3.56	....	1.68	0	4	....	....	....	....	Creed H. McCue
Wellsburg	Brooke	668	22	66.4	−4.0	89	10	42	31	41	3.00	−0.87	0.98	0	6	19	8	4	w.	George P. Pfister
West Milford	Harrison	979	4	....	....	....	....	....	....	....	3.60	....	1.74	0	7	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	34	69.6	−3.4	91	1	45	31	40	3.07	−0.86	0.80	0	7	1	30	0	....	Weston State Hospital
Wheeling	Ohio	645	42	68.4	−5.0	94	13	43	20	47	3.39	−0.29	1.20	0	7	13	17	1	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	2	....	....	....	....	....	....	....	4.41	....	0.97	0	8	9	17	5	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	3	....	....	....	....	....	....	....	2.84	....	1.00	0	8	21	4	6	w.	H. S. Sutton
Bancroft	Putnam	574	25	70.8	−2.8	90	1†	50	16†	37	3.57	−0.85	1.05	0	8	23	0	8	ne.	R. E. Dent
Bluefield ^{d}	Mercer	2 558	34	68.1	−2.8	85	10	44	31	34	3.42	−1.00	0.69	0	12	13	5	9	....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	14	....	....	....	....	....	....	....	5.18	+0.39	1.44	0	5	....	....	....	....	Miss Katie Jarvis
Charleston	Kanawha	600	26	74.6	−1.0	98	12†	51	31	43	1.32	−3.20	0.42	0	5	17^{a}	0^{a}	13^{a}	....	R O. Fields
Clay	Clay	706	13	....	....	....	....	....	....	....	3.95	−1.47	0.93	0	9	....	....	....	....	Chilton Wilson
Dam 6 G. K.	Kanawha	598	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	13	....	....	....	....	....	....	....	4.31	+0.22	1.30	0	8	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	13	....	....	....	....	....	....	....	3.04	−1.57	0.70	0	8	....	....	....	....	Lockmaster
Dam 25 O. R.	Mason	565	2	....	....	....	....	....	....	....	5.04	....	1.45	0	8	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	13	....	....	....	....	....	....	....	2.84	....	1.15	0	7	....	....	....	....	U. S. Engineer Office
Gary	McDowell	1,426	13	70.2	....	89	2	48	31	32	5.02	+0.35	1.43	0	13	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	32	71.9	−1.8	92	1†	49	31	38	2.40	−1.46	0.76	0	10	13	2	16	....	Mrs M. L. McClung
Huntington	Cabell	538	32	73.2	−1.6	94	12	49	31	37	2.90	−0.94	1.01	0	9	10	14	7	n.	H. N. Robinson
Kanawha Falls	Fayette	618	10	....	....	....	....	....	....	....	2.37	....	0.96	0	6	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	13	....	....	....	....	....	....	....	3.41	−0.45	1.34	0	9	....	....	....	....	Cabin Creek Con. Coal Co
Kermit	Mingo	579	3	....	....	....	....	....	....	....	2.69	....	0.55	0	9	....	....	....	....	E. B. Kirk
Lewisburg	Greenbrier	2,250	29	66.9	−3.0	86	13	40	31	36	3.66	+0.10	1.60	0	5	21	5	5	nw.	Geo. T. Argabrite
Logan	Logan	700	26	....	....	....	....	....	....	....	2.63	−1.02	1.15	0	8	....	....	....	....	J. R. Wampler
Marlinton	Pocahontas	2,131	30	63.2	−3.2	84	1	38	5†	36	4.26	−0.64	1.62	0	9	4	26	1	sw.	S. L. Brown
Organ Cave	Greenbrier	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	J. J. Hedrick
Point Pleasant	Mason	595	36	^{i}74.6	0	98	13	48^{i}	31	41^{i}	4.14	+0.88	1.32	0	8	17	10	4	w.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	6	71.0	....	94	2	41	31	41	3.66	....	0.95	0	8	17	0	14	nw.	Lockmaster
Robertsburg	Putnam	570	29	70.6	−3.8	92	1†	47	16†	41	3.77	+0.52	1.00	0	7	18	0	13	....	M. Frazier
Ryan	Roane	700	26	67.4	−5.7	90	1	41	31	39	3.11	−0.75	1.00	0	10	15	7	9	....	Wm. E. Ryan
Sharples	Logan	....	9	....	....	....	....	....	....	....	....	....	....	0	....	....	....	....	....	R. W. Howard
Spencer	Roane	789	25	68.6	−4.1	91	12	46	16†	40	5.60	+2.04	2.00	0	9	11	14	6	....	A. M. McKown
Summersville ††	Nicholas	1,894	5	68.1^{j}	....	89^{j}	1†	42^{j}	16†	44^{j}	2.76	....	0.86	0	4	21^{f}	0^{f}	4^{f}	....	J. H. Rohrabaugh
Sutton	Braxton	850	23	70.2	−5.6	90	1†	47	31	40	5.75	+2 01	1.95	0	8	23	0	8	....	C. B. Eakle
Union ^{d}	Monroe	2,250	25	69.7	−0.9	90	19	40	31	41	3.76	−0.09	0.96	0	6	12	9	6	....	W. M. H. Young
Wayne	Wayne	598	2	....	....	....	....	....	....	....	2.55	....	0.73	0	7	....	....	....	....	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	19	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	H. E. Green
Williamson	Mingo	673	29	....	....	....	....	43	30	....	5.44	+1.90	1.44	0	13	12	0	19	ne.	Mrs. T. W. Lowe
State averages and	extremes	....	....	69.1	−2.9	101	14	33	31	54	3.31	−0.66	2.43	0	7	16	8	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for August, 1929

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖‖	Potomac			1.17	.43							.31	T.		.04	.54				.07				.71	1.34	.03				T.			4.64
Brandywine	do			.50											.50									.35									1.35
Harpers Ferry‖‖	do				.76								.04			.45													T.				1.25
Martinsburg‖‖	do				1.25							T.		T.		.02				.10				.10	.05				.55				2.07
Moorefield	do			.46	.10																		.20	.64	.17								1.57
Perry	do			.30	.30								.52		.99	.01							.13	.21				1.18					3.67
Piedmont	do			.55	.14							.45				.12				.13				.40									1.79
Romney‖‖	do			.15	.38															.39				.22									1.14
Stony River Dam	do																							.39	.83								1.22
Upper Tract	do			.25												.20									.32								0.77
Wardensville‖‖	do														T.									.04	.10				T.				0.14
Northern Division																																	
Aberdeen	Monongahela		.26	.56	.01		T.				T.	T.			T.	T.				.09			.03	1.05				.21		.04			2.25
Alma (near)	Ohio			.99			.01					.14			.03					.77			.07	2.16						.21			4.38
Bens Run	do			1.23											.51					.75			.33	2.08						.07			4.97
Brownsville	Monongahela	.44	.81	.75	.44		T.				T.	T.	T.		T.					.11			.05	1.43				.17	.12	.03			4.35
Bruceton Mills	do	T.		.82								.80							1.20				.20	1.70				T.					4.72
Buckhannon	do	.25		.50																.32			.01	1.05				.01					2.14
Cairo	Little Kanawha																																
Clarksburg‖‖	Monongahela		.02	.19	.24							.21			.12					.34				.77	.48				.22		T.		2.59
Cortland‖‖	do			.55								.12	.01							.05			.55	.60						.03			1.91
Crawford‖‖	Little Kanawha		1.04	.85							.02				.08					.02			.12	1.91				.22		.14			4.40
Creston‖‖	Monongahela			.68	.08								.09		.19					.17				.72	.83				.59				3.35
Dam 10, Mon. R.‖‖	Ohio			.16	.90							.56	.10			.38				.45				.33	1.70								4.58
Dam 12, O. R.‖‖	do			.05	1.03								.27		.87	T.				.30				.26	.08								2.86
Dam 13, O. R.‖‖	Monongahela			.12	.21		T.								.60					.25				.39	.52								2.09
Dam 15, Mon. R.‖‖	do		.03	.14	.74		.02					.09				T.				.33				.28	1.75				.12		.04		3.53
Davis‖‖	do			.07	.86			T.				.15	.07		.15					.09				.24	.72						.06		2.41
Elizabeth (D'm 3 L K)	Little Kanawha		.06	.64	.18								.10		.17					.21				.86	1.86								4.08
Elkins***	Monongahela			.56			T.				T.	.02			T.					.01			.34	.86	T.			.01		.01			1.81
Fairmont‖‖	do		.80	.25	.83		T.	T.					T.		T.	T.				.63				.72	1.35				.07		.02		4.67
Glenville‖‖	Little Kanawha			.31	.56																			.46	.64				.76		.05		2.78
Grafton‖‖	Monongahela																																
Horner	do			2.10																				1.65				.30					4.05
Horton	do			.76	.39							T.			.15								.04	.69									2.03
Janelew (near)	do		.35	.60																.30			.10	1.22				.85					3.42
Lost Creek	do			.82	T.		T.					.10			.06					.26			.02	1.40	T.			.90		T.			3.56
Mannington	do			.99	.20		T.					.05			.25					.41			.05	1.33						.04			3.32
Morgantown	do	T.		1.05	.50							.55			.38					.35			.15	1.22				.10					4.30
New Cumberland‖‖	Ohio			.11	.35								.41		.44									.31	.38								2.00
New Martinsville	do			1.65											.75					.40			.10	1.70									4.60
Parkersburg***	do	.12		1.63			T.				T.	.04		.01	.34				.26	.14			.70	.62				.01		T.			3.87
Parsons	Monongahela			*	1.10							.47			.05					.06			.06	1.78				.17					3.69
Parsons No. 2	do			.58	.70							.45			.03					.04			.30	1.20	.01			.20		.11			3.62
Philippi	do																																
Philippi No. 2	do		.08	.20	.40							.37	.03			.02				.18				.58	.95				.60				3.41
Pickens	do		.36	1.01								1.17			.48					T.			.18	2.25				.20					5.65
Roanoke	do		1.45	.77	.26																		.12	2.05				.10	.01				4.76
Rowlesburg‖‖	do		.02	.03	1.08			.04				1.39	.25							.20				.42	.60								4.03
Saint Marys‖‖	Ohio			.67	.40							T.	.01		.53	.04				.63				.50	.54						.02		3.34
Terra Alta	Monongahela			.97	.68	T.	T.		T.			.70	.96		T.					.62			.02	1.20	.05			.01					5.21
Thomas‖‖	do				1.00							.28	.12		.12					.11				.20	.68						.70		3.21
Valley Chapel	do		.04	.68									.34		.18					.18				1.50				T.					2.92
Vandalia	do			1.68																				1.53				.16		.19			3.56
Wellsburg	Ohio			.98			T.					.47			.43					.16			.32	.64									3.00
West Milford	Monongahela			.52	.20										.12					.29			.05	1.74					.68				3.60
Weston	do		.20	.15	.80															.12				.80	.30				.70				3.07
Wheeling‖‖	Ohio			.05	1.15		T.				T.	T.	.37		.87		T.			.12				.43	.40								3.39
Woodlands‖‖	do			.48	.72		.03					.15			.97					.90				.78	.38								4.41
Southern Division																																	
Arbovale	Great Kanawha			.70	.08							1.00	.07		.07								.01	.51	.40								2.84
Bancroft‖‖	do			1.05	.33							.58	.78		.08					.05				.65	.05								3.57
Bluefield	do	.23	.17	.25		.37		.16	.21				.08		.45					.01				.69	.27		.53						3.42
Camden-on-Gauley‖‖	do				1.02							1.44												.88				1.00		.84			5.18
Charleston‖‖	do			.40	.38																			.42	.10				.02				1.32
Clay‖‖	do			.05	.83							.93			.13	.05								.70	.25	.80			.21				3.95
Dam 6 G. K.‖‖	do																																
Dam 19 O. R.‖‖	Ohio		.02	.88	.68		T.				T.		.06		.42	T.				.30			T.	1.30	.65								4.31
Dam 20 O. R.‖‖	do			.65	.44							.02	.12		.55					.18				.70	.38								3.04
Dam 25 O. R.‖‖	do			.81	1.25								1.45		.33					.15			.10	.80					.15				5.04
Dam 26 O. R.‖‖	do		.18	1.15	.18							.38	.35		.05									.55									2.84
ary‖‖	Big Sandy	1.43	.05	.01	.75				.07	.07			1.00	.01			.01							.55	.47	.28			.32				5.02
inton‖‖	do	.02	.06		.76				.41				.08			.04								.72	.11	.16			.04				2.40
untington‖‖	Ohio	.70	.01	1.01	.20							.18			T.								.66	.01	.11			.02					2.90
anawha Falls‖‖	Great Kanawha			.10	.96								.73											.24	.16				.18				2.37
ayford‖‖	do		1.34	.03	.69			T.	T.			.02	.48											.35	.40	.01	.10						3.41
ermit‖‖	Big Sandy	.20		.39								.55	.25		.55								.30	.30	.05			.10					2.69
ewisburg	Great Kanawha			.65					.61			.27											.53	1.60									3.66
ogan‖‖	Guyandotte	.25		.25	.28								.18	T.										1.15	.17	.05			.30				2.63
arlinton	Great Kanawha			.74	.98				.08			.38	.08		.12								.14	1.62				.12					4.26
rgan Cave	do																																
oint Pleasant‖‖	Ohio		.70	.76	.56								.80		.11									1.02		T.			.14		.05		4.14
avenswood (Dam 22	Ohio			.47	.20							.78	.95		.28					.18				.72	.08	T.							3.66
obertsburg‖‖	Great Kanawha		.94	1.00	.20							.25	.55										T.	.81	.02								3.77
yan	do	.14	.02	.97								1.00								.11			.30	.11	.12			.13		.21			3.11
arples‖‖	Coal River			T.	1.10																		.30		T.								‡‡‡
encer‖‖	Great Kanawha		2.00										.17		.05					.13				.62	1.33	.41		.81			.08		5.60
mmersville	Gauley			.80								.86								.56				.54									2.76
tton	do			1.35								1.95			.15					.35				1.15	.15				.55		.10		5.75
ion	do				.96	.35			.61				.05											.86			.93						3.76
ayne‖‖	Big Sandy		.60	.47	.20										.06									.73	.18	.31							2.55
hite Sulpr. Spgs.‖‖	Great Kanawha																																
illiamson‖‖	Big Sandy	.05	.15	.49	.40					.05			1.44			.44				.03	.08			.87	.66	.59			.19				5.44

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖‖ Precipitation measured in the morning: amount then recorded is forthe preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ‡‡‡ Probably incomplete

Daily Temperatures for August, 1929

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	84	83	81	79	66	79	76	78	85	86	84	83	85	84	76	77	85	84	81	74	83	82	74	77	78	83	81	73	72	68	78	79.3
	Minimum	54	51	53	61	41	52	48	51	47	55	59	57	51	50	46	40	39	49	53	36	38	45	60	63	46	40	46	40	48	42	33	48.2
Brandywine	Maximum	90	90	85	80	75	72	76	74	87	88	90	91	90	90	94	89	92	93	88	82	85	86	80	83	82	84	83	85	80	79	85	84.8
	Minimum	55	57	60	54	42	54	55	60	55	60	62	63	61	62	60	65	62	61	59	54	57	55	61	58	56	50	49	46	43	42	38	55.4
Martinsburg§	Maximum	94	87	73	75	80	76	84	76	88	93	92	95	93	95	80	82	90	93	81	89	85	92	80	87	86	81	95	80	74	77	..	85.1
	Minimum	66	62	65	65	56	62	55	58	57	64	70	62	62	63	62	53	49	58	63	50	45	53	60	67	60	50	54	53	58	52	43	58.0
Moorfield	Maximum	99	98	95	90	84	80	84	80	90	99	95	94	97	101	96	94	98	100	91	82	92	93	78	87	89	92	95	97	90	76	88	91.1
	Minimum	63	58	65	63	48	58	55	64	67	64	67	61	58	58	63	44	46	68	60	44	44	56	64	67	55	49	50	52	55	47	40	56.5
Piedmont	Maximum	94	86	82	76	76	75	79	75	87	91	87	89	89	90	76	79	89	88	78	76	85	86	80	82	83	87	88	79	74	75	82	82.7
	Minimum	64	55	60	48	47	57	53	57	58	59	65	63	60	59	53	50	48	57	61	45	45	53	63	60	53	50	55	48	55	51	42	54.6
Romney §	Maximum	99	..	90	80	77	78	83	92	94	93	95	94	96	81	85	..	96	94	80	90	93	75	84	79	..	90	..	93	74	78	..	87.0
	Minimum	67	56	..	59	53	58	53	60	56	61	68	60	59	59	55	50	..	48	60	43	44	54	62	67	52	..	49	..	49	50	42	55.3
Upper Tract	Maximum	93	88	85	..	80	79	79	87	88	90	91	93	93	91	86	78	84	90	89	89	85	85	80	81	83	83	84	86	88	89	90	86.2
	Minimum	58	56	67	..	47	47	54	55	55	64	65	55	57	57	56	41	44	56	55	56	47	43	62	62	64	64	63	61	60	59	59	56.3
Wardensville	Maximum	92	92	92	94	89	89	94	90	98	90	91	89	90	91	80	89	80	79	76	79	89	90	91	89	90	91	92	82	74	75	..	87.6
	Minimum	63	69	62	63	61	65	63	48	50	57	64	65	68	66	64	62	60	56	57	35	38	37	48	45	38	40	40	35	45	39	40	53.0
Northern Division																																	
Bens Run	Maximum	92	82	83	76	79	78	78	90	92	90	82	91	91	83	75	82	89	89	79	80	88	78	82	85	84	88	82	74	72	78	88	83.2
	Minimum	64	63	64	56	51	61	60	55	59	66	70	65	58	63	55	50	54	64	60	50	50	59	61	77	50	58	59	51	52	52	50	58.0
Buckhannon	Maximum	83	79	76	74	70	73	76	78	83	83	80	84	80	83	70	73	81	83	79	70	76	74	75	74	77	76	75	69	62	65	73	75.9
	Minimum	65	61	61	53	49	58	58	58	62	64	69	64	65	62	55	44	49	59	60	50	51	57	63	67	58	51	55	51	50	51	41	56.8
Cairo	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Clarksburg §	Maximum	90	85	80	70	74	77	79	89	90	90	82	89	93	84	69	80	89	88	78	77	88	83	79	82	81	89	85	74	67	74	85	81.9
	Minimum	64	57	63	56	46	57	56	58	57	61	68	64	58	60	50	46	50	57	61	48	47	55	62	66	56	50	54	48	48	50	45	55.4
Creston	Maximum	90	85	84	80	78	76	81	88	89	88	86	90	89	86	81	82	90	88	89	88	88	85	78	80	85	86	83	76	72	75	80	83.7
	Minimum	63	57	63	62	45	58	57	57	55	62	65	62	57	60	50	44	48	57	60	46	47	55	62	66	56	50	55	50	51	52	46	55.4
Elkins	Maximum	85	79	76	67	68	70	76	79	84	82	78	83	84	83	68	75	83	82	75	74	81	78	76	77	79	81	81	71	67	67	75	76.9
	Minimum	62	59	61	53	51	54	54	62	56	59	64	62	57	56	52	42	46	56	54	44	45	54	60	60	53	47	52	49	50	47	43	53.7
Fairmont§	Maximum	93	85	80	72	76	75	83	90	92	92	86	94	93	86	68	82	91	91	78	81	89	81	79	81	86	89	83	76	67	74	85	83.2
	Minimum	64	58	63	55	48	59	56	57	58	62	69	68	59	64	53	51	50	60	61	49	49	58	60	66	55	53	57	49	49	53	46	56.7
Glenville	Maximum	94	93	89	84	80	77	85	91	93	92	89	92	93	91	90	91	89	88	90	91	89	88	85	82	88	90	89	79	78	78	83	87.5
	Minimum	62	59	65	55	48	56	54	56	57	60	64	63	64	62	61	62	60	59	61	63	61	60	63	64	58	51	55	51	49	50	45	58.0
Grafton	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Lost Creek	Maximum	90	83	80	73	74	74	79	87	90	91	90	89	90	88	76	80	88	87	81	80	88	80	77	83	84	88	84	75	68	75	82	82.4
	Minimum	64	57	62	55	45	56	55	57	57	56	61	60	60	57	50	41	46	57	60	46	45	54	61	65	54	48	51	45	45	46	41	53.5
Mannington	Maximum	87	83	79	74	73	73	78	83	84	85	81	86	86	82	76	75	85	86	80	75	82	78	77	79	80	82	79	71	68	71	77	79.2
	Minimum	58	53	62	53	44	57	54	52	52	62	67	63	55	59	49	50	48	55	59	43	44	53	61	63	50	49	53	45	46	49	43	53.3
Morgantown	Maximum	90	86	77	76	75	74	81	86	88	89	84	88	89	86	77	77	88	90	82	76	85	80	76	78	83	85	81	74	72	74	81	81.5
	Minimum	..	55	61	55	50	58	55	57	56	62	67	66	57	64	53	54	53	61	59	49	52	54	65	64	56	53	58	48	47	53	46	56.3
New Cumberland§	Maximum	84	84	78	70	75	72	82	85	87	88	90	84	88	81	67	78	87	88	77	78	86	77	84	83	85	88	77	67	69	75	..	80.5
	Minimum	62	51	56	54	47	58	54	51	52	58	63	62	56	57	54	51	51	55	59	44	48	55	62	58	52	55	56	48	50	48	46	54.0
New Martinsville	Maximum	91	83	82	77	77	77	82	90	90	91	86	89	93	84	79	81	89	88	84	80	88	85	82	83	84	89	81	76	70	75	84	83.5
	Minimum	62	57	66	55	48	59	57	55	55	63	68	65	57	62	51	50	53	59	60	50	49	57	65	64	56	55	57	50	51	52	49	56.7
Parkersburg	Maximum	90	80	83	72	75	75	78	88	89	87	81	89	89	82	67	78	88	88	78	77	87	80	80	81	82	87	79	72	70	74	82	80.9
	Minimum	67	61	64	57	52	63	61	60	58	66	70	66	60	63	54	49	54	64	61	55	54	63	67	67	60	58	59	54	55	54	49	59.5
Parsons	Maximum	86	81	79	78	79	80	81	84	84	83	80	85	85	84	68	75	85	83	82	82	80	80	76	78	79	81	80	73	73	75	76	79.8
	Minimum	61	60	60	56	46	57	59	60	58	60	58	59	60	56	55	46	49	56	56	46	54	52	56	64	55	50	48	53	45	45	45	54.4
Pickens	Maximum	85	81	79	66	70	68	78	80	82	81	75	83	84	83	67	69	83	80	83	75	74	90	75	69	80	80	80	72	72	68	75	77.0
	Minimum	55	54	55	50	49	39	45	55	52	51	56	55	51	52	35	35	42	51	50	40	43	50	55	54	52	42	42	47	40	40	37	47.5
Terra Alta	Maximum	83	79	73	79	75	70	68	74	83	81	78	81	82	80	71	73	81	81	78	74	80	75	71	76	77	82	78	70	64	67	76	76.1
	Minimum	58	48	56	50	46	52	46	52	49	54	64	61	54	51	49	46	41	52	56	40	42	48	62	61	49	43	50	38	45	46	36	49.8
Wellsburg	Maximum	86	80	75	74	76	73	82	86	86	89	87	85	87	81	70	77	87	86	80	78	84	78	84	83	84	86	87	78	67	63	83	80.7
	Minimum	59	49	60	53	45	58	53	48	49	58	63	60	54	62	49	50	48	55	57	51	43	51	62	57	48	50	52	45	48	47	42	52.1
Weston	Maximum	95	90	82	75	73	75	78	85	88	85	82	88	89	85	80	78	88	89	82	79	88	80	78	78	82	85	86	82	70	72	75	82.0
	Minimum	68	60	65	58	49	59	58	62	59	62	67	65	59	62	54	59	50	60	61	50	48	58	64	67	58	51	49	50	50	48	45	57.3
Wheeling§	Maximum	93	85	75	74	79	78	90	86	90	93	93	92	94	87	71	82	93	88	82	82	87	82	80	89	90	93	84	74	72	79	92	84.8
	Minimum	58	49	67	49	45	51	54	50	48	60	60	61	52	54	47	47	51	56	56	43	46	47	58	59	58	53	53	46	46	45	45	52.1
Southern Division																																	
Bluefield	Maximum	81	84	82	..	80	79	80	71	82	85	..	83	83	83	72	79	84	..	84	77	82	78	79	73	..	79	78	77	76	71	73	79.1
	Minimum	64	64	63	..	47	56	62	63	62	61	..	63	60	58	56	45	58	..	61	53	57	58	62	61	..	52	52	59	53	48	44	57.1
Charleston§	Maximum	96	94	84	83	86	76	84	92	90	96	90	98	98	91	80	85	96	96	88	88	95	82	83	86	90	92	94	87	77	84	92	88.8
	Minimum	67	66	68	64	53	55	60	60	65	65	66	67	67	65	58	52	53	59	65	56	56	58	64	68	62	59	59	59	54	53	51	60.5
Gary §	Maximum	86	89	84	70	77	82	82	78	85	87	84	83	88	85	73	81	87	87	79	81	84	85	84	76	81	83	82	76	72	73	80	81.4
	Minimum	67	68	66	63	49	52	62	67	60	62	64	66	65	61	56	51	55	61	63	55	53	56	62	65	63	53	54	56	57	51	48	59.1
Hinton §	Maximum	92	90	88	76	82	80	80	77	80	91	88	91	92	90	75	89	92	89	84	86	89	83	82	81	85	89	65	83	78	74	86	84.1
	Minimum	66	68	67	64	51	52	61	64	64	62	63	64	65	63	57	53	54	58	63	58	54	57	60	65	64	58	58	58	57	53	49	59.7
Huntington	Maximum	91	84	86	83	83	75	82	90	92	91	89	94	93	85	85	84	92	90	86	85	90	85	86	81	88	90	85	83	75	82	86	86.2
	Minimum	69	62	68	60	54	63	61	60	60	68	72	66	62	65	57	50	55	64	64	53	53	62	66	67	57	55	57	55	56	53	49	60.1
Lewisburg	Maximum	84	85	79	79	74	79	82	74	81	85	82	81	86	85	71	77	85	84	78	76	81	80	75	78	77	78	80	76	73	71	74	79.1
	Minimum	63	62	64	60	43	43	55	63	59	56	63	60	60	56	54	42	50	58	55	52	49	53	61	63	62	48	50	55	52	44	40	54.7
Marlinton	Maximum	84	80	76	68	74	70	74	68	78	80	78	80	82	78	76	74	80	78	76	74	76	72	74	72	76	78	76	78	72	66	72	75.5
	Minimum	56	58	64	52	38	52	52	58	60	54	56	56	54	52	48	38	44	54	58	46	44	50	58	56	54	46	48	50	48	40	38	51.0
Point Pleasant	Maximum	95	95	96	93	86	87	84	94	94	95	91	96	98	94	91	84	95	95	94	88	85	85	88	87	91	90	88	85	84	83	86	90.2
	Minimum	..	..	..	..	..	..	..	..	..	64	70	64	60	60	55	50	54	60	61	50	60	65	68	66	68	68	56	50	54	49	48	59.1
Ravenswood	Maximum	93	94	82	82	81	77	82	89	90	89	87	90	90	89	81	82	90	89	87	80	88	89	80	81	84	85	88	85	74	77	82	85.1
	Minimum	64	59	65	49	48	60	58	55	55	65	66	66	57	62	51	46	51	62	62	60	49	61	65	67	56	54	53	51	53	49	41	56.8
Robertsburg§	Maximum	92	83	83	74	80	73	80	88	92	89	85	89	91	83	70	84	90	86	84	85	90	78	84	82	86	88	83	76	72	76	88	83.4
	Minimum	65	61	62	58	52	60	62	58	58	62	68	65	60	63	54	47	50	64	63	51	50	59	65	67	63	50	54	54	54	50	47	57.9
Ryan	Maximum	90	87	76	75	75	75	80	85	86	85	80	88	87	86	75	76	86	86	80	80	85	75	78	72	85	85	80	75	68	75	80	80.5
	Minimum	61	58	62	58	46	57	57	55	56	60	58	60	60	60	50	42	48	58	57	46	47	55	60	64	56	50	57	49	46	50	41	54.3
Spencer §	Maximum	88	89	88	89	77	78	79	84	85	83	78	91	86	83	69	79	86	86	78	89	84	77	77	76	82	84	84	73	67	73	78	81.3
	Minimum	52	54	58	49	54	60	58	59	60	59	66	63	60	61	54	46	51	57	62	50	50	55	66	67	53	54	53	52	51	52	46	55.9
Sutton	Maximum	90	90	78	75	73	74	79	86	87	88	88	87	90	90	77	80	88	88	86	81	87	87	78	87	87	87	87	75	73	75	84	83.3
	Minimum	63	62	64	52	49	58	57	62	60	61	62	64	63	61	53	51	48	60	59	53	52	56	60	62	61	54	56	55	52	53	47	57.1
Union	Maximum	88	89	..	89	82	80	83	83	83	88	..	89	89	89	81	83	89	..	90	83	84	84	83	78	..	83	85	86	82	76	81	84.4
	Minimum	64	61	..	64	43	56	58	64	58	57	..	59	56	56	56	42	54	..	56	55	50	54	66	63	..	49	49	56	52	46	40	55.0
White Sulphur Spgs§	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Williamson §	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	65	60	58	57	53	58	55	59	62	58	60	60	52	53	55	47	48	59	53	51	53	55	54	54	51	55	56	51	49	43	44	54.5

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.195	.190	.150	.061	.243	.167	.079	.133	.164	.181	.190	.088	.222	.253	.234	.111	.155	.222	.229	.166	.179	.177	.159	.110	.123	.222	.166	.113	.183	.039	.132	5.036
	Wind movement	20	38	25	81	56	33	19	39	25	28	33	28	32	40	69	53	26	40	72	68	42	29	42	38	54	40	21	34	59	60	31	1,275

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 9-28-29—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXVII PARKERSBURG, W. VA., SEPTEMBER, 1929 No. 9

GENERAL SUMMARY

The weather elements for September averaged practically normal, although the precipitation was unfavorably distributed over the State. There were also well-marked periods of high and low temperature. A severe drought prevailed over the extreme eastern counties and the conditions were droughty in most of the mountain regions and over the southeastern counties. The temperature was low on the 19th, giving light to killing frosts. The day temperature was high during the first week. As an average, there were 15 clear days, which is also the September average for the past 36 years. Crop yields were less than expected, owing to drought. Pastures were also short.

TEMPERATURE

The monthly mean for the State, determined from 46 stations, was 66.5°. The departure from the normal for 38 stations having ten or more years of record was +0.8°. Moderately warm weather prevailed from the 2d to the 10th and from the 24th to the 29th, the highest temperature being general from the 2d to the 6th. With the exception of a day or two, the temperature was below the normal from the 11th to the 22d, with the lowest readings on the 19th, when 22 stations recorded a temperature of 32° or below.

PRECIPITATION

The average precipitation for the State, determined from 83 stations, was 2.95 inches. The departure from the normal for 56 stations having ten or more years of record was —0.21 inch. The rainfall was greatest over the central and western counties and least over the extreme eastern and southeastern counties. Nearly all the rainfall was measured from the 7th to the 10th, the 13th to the 17th, and on the 29th and 30th. There were widely scattered light showers on the 4th, 5th, 6th, 25th, 26th, and 27th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 1st, 2d, 5th, 9th, and 10th; Bancroft, 1st, 2d, 3d, 5th, 7th, 11th, 16th, 19th, 20th, 22d, 23d, 25th, and 28th; Bayard, 1st, 13th, and 28th; Elkins, 1st, 2d, 3d, 5th, 19th, 26th, and 29th; Fairmont, 24th; Glenville, 5th; Huntington, 7th, 15th, and 21st; Mannington, 1st, 2d, 3d, 5th, 7th, 15th, 24th, and 29th; Marlinton, 1st, 2d, 3d, 5th, 6th, 10th, 11th, 15th, 19th, 20th, 22d, 26th, 27th, 28th, and 29th; New Cumberland, 2d and 5th; Parkersburg, 7th, 8th, and 15th; Terra Alta, 1st, 6th, and 30th; Wellsburg, 24th.

MISCELLANEOUS PHENOMENA (Continued)

Thunderstorms (dates and number of stations reporting): 6th, 5; 7th, 11; 8th, 10; 9th, 9; 10th, 3; 12th, 1; 16th, 1; 29th, 4; 30th, 2.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a.m.	local noon	8 p.m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.08	89	58	68	248.2	67	3,347	4.6	20	sw.	16
Columbus, Ohio	30.09	83	58	68	202.5	54	5,034	7.0	32	nw.	5
Elkins	30.12	92	55	78	196.6	53	2,135	3.0	24	w.	14
Lexington, Ky	30.08	82	65	....	200.0	54	6,983	9.7	24	n.	29
Parkersburg	30.11	80	53	71	203.8	55	2,497	3.5	28	nw.	29
Pittsburgh, Pa	30.10	78	53	57	222.1	59	4,739	6.6	32	w.	10
Wytheville, Va	30.09	92	65	80	190.0	51	2,384	3.3	16	sw.	14

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	66.8	......	......	1.66	......	......	......	......	......	......	......
1892	64.4	92	32	2.57	......	......	......	6	......	......	......
1893	65.0	91	29	2.28	4.50	1.05	......	6	......	......	......
1894	67.8	98	31	2.50	4.75	1.25	......	6	12	11	7
1895	70.3	107	29	1.70	4.25	0.42	......	4	17	8	5
1896	65.2	95	22	4.59	9.04	1.58	......	7	14	9	7
1897	66.4	103	27	1.14	4.00	0.02	.....	3	22	6	2
1898	67.6	97	33	2.42	4.75	0.80	......	6	16	10	4
1899	64.0	100	26	3.65	6.35	1.65	......	8	14	9	7
1900	71.1	100	35	1.92	5.50	0.34	......	6	14	19	6
1901	64.8	95	27	3.35	7.64	1.46	......	8	13	8	9
1902	64.8	98	25	2.98	4.81	1.23	......	9	12	9	9
1903	64.7	97	25	1.30	2.78	0.10	......	4	21	6	3
1904	67.0	95	25	1.76	4.55	0.53	......	6	16	10	4
1905	65.6	97	29	2.21	4.21	0.54	......	4	18	8	4
1906	69.9	97	38	3.25	5.44	0.57	......	9	12	10	8
1907	66.3	93	30	4.41	7.10	2.00	......	11	12	10	8
1908	65.9	99	24	0.95	2.54	0.26	......	3	21	6	3
1909	63.7	95	28	2.74	8.75	0.63	......	6	15	9	6
1910	68.4	97	32	3.50	6.04	0.50	......	10	12	11	7
1911	68.8	100	32	4.67	8.30	1.80	.....	11	12	11	7
1912	68.6	98	30	3.85	9.18	1.13	......	8	17	7	6
1913	64.2	100	25	2.88	6.38	0.86	......	8	14	7	9
1914	63.2	97	24	1.58	5.65	0.17	......	5	18	6	6
1915	67.6	100	31	3.84	7.18	2.00	.....	9	16	8	6
1916	63.0	99	27	3.71	7.88	1.01	......	7	18	6	6
1917	62.4	98	28	2.79	6.62	1.16	T.	7	17	7	6
1918	60.5	93	24	2.92	4.73	1.37	T.	8	15	7	8
1919	66.0	96	31	2.11	4.37	0.12	......	5	18	7	5
1920	66.7	96	34	3.14	5.38	1.34	......	8	16	7	7
1921	70.9	97	39	4.76	9.07	1.65	......	12	12	10	8
1922	67.2	100	25	2.14	5.64	0.10	......	4	21	5	4
1923	66.5	96	29	3.31	5.36	1.00	......	7	16	8	6
1924	60.7	100	26	5.96	8.97	2.80	T.	12	11	7	12
1925	70.9	102	34	2.29	5.89	0.50	......	8	14	9	7
1926	68.6	98	31	5.35	10.57	1.44	......	13	10	8	12
1927	67.0	100	24	2.15	5.29	0.23	......	5	19	7	4
1928	61.3	100	24	2.71	6.45	0.81	T.	7	14	6	10
1929	66.5	102	24	2.95	6.25	0.57	......	8	15	7	8
1891-1929	66.2	107	22	2.92	10.57	0.02	T.	7	15	8	7

Climatological Data for September, 1929

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	28	61.5	+1.5	91	2†	24	19	49	3.99	+0.24	1.38	0	7	12	9	9	w.	U. G. Clark
Brandywine	Pendleton	1,586	13	66.5	+1.5	94	3	28	19†	47	1.40	−1.18	0.90	0	5	21	0	9	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	40								1.32	−1.47	0.46	0	5					J. C. Newcomer
Martinsburg	Berkeley	435	37	^{a}68.6	+2.5	98^{a}	2†	35	19	47^{a}	1.95	−0.92	0.40	0	9	25	5	0	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	33	68.2	+1.5	102	3	30	19	53	2.01	−0.67	0.82	0	6	29	0	1		M. S. Henkel
Perry	Hardy		1								2.49		1.34	0	6					R. J. Leibold
Piedmont	Mineral	1,053	16	66.6	+1.5	95	2†	32	19	40	1.63	−0.73	0.60	0	4	14	5	11	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	31	^{b}67.4	+1.3	100^{b}	2†	30^{a}	19	53^{c}	1.92	−0.84	0.65	0	6	12	10	8		George E. Bergdoll
Stony River Dam	Grant	3,300	9								1.89		0.43	0	9	8	9	13	w.	A. C. Becker
Upper Tract	Pendleton	1,230	30	^{a}66.0	+0.5	96^{a}	29†	28^{a}	19	44^{a}	0.71	−1.68	0.40	0	3	22	2	6	w.	J. M. Mallow
Wardensville	Hardy	1,200	12	^{g}63.6		99^{g}	3	24	21	60^{g}	0.57		0.10	0	7	21	7	2		Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	5								3.84		1.05	0	9	12	12	6	w.	L. Else Bond
Alma (near)	Tyler		2								4.90		2.80	0	10	14	9	7		D. N. Furbee
Benson	Harrison	1,080	5	66.2		92	7	31	19	42	4.36		1.34	0	12	12	16	2		John A. Clark
Bens Run	Pleasants	652	27	68.8	+1.1	92	3†	37	19	38	3.48	+1.13	1.46	0	8	16^{a}	10^{a}	3^{a}		J. D. Riggs
Brownsville	Lewis	1,032	6	66.8		92	5†	32	19	43	4.08		1.12	0	9	22	3	5		George M. Myers
Bruceton Mills	Preston	1,549	12								2.17	−1.35	0.75	0	4	11	13	6	sw.	Mrs Ola Wolf
Buckhannon	Upshur	1,411	32	65.2	+1.2	88	26	34	19	35	4.83	+1.70	1.45	0	9	18	5	7		H. A. Darnall
Cairo	Ritchie	680	30																	O. C. Hess
Clarksburg	Harrison	1,015	7	67.0		95	3†	34	19	43	4.21		1.98	0	8	16	9	5	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	18								3.29	−0.19	1.06	0	8	5	20	5		G. W. Harmon
Crawford	Lewis	1,107	6								4.70		1.51	0	10	13^{a}	11^{a}	5^{a}	w.	George W. Blair
Creston	Wirt	640	27	66.6	−0.5	94	7	35	19	41	2.72	+0.14	0.75	0	8	16	0	14	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	8								3.97		2.56	0	7					Lockmaster
Dam 12 O. R.	Ohio	660	13								2.10	−1.64	0.96	0	9					Lockmaster
Dam 13 O. R.	Ohio	655	13								3.90	+0.04	0.92	0	13					Lockmaster
Dam 15 Mon. R.	Monongalia	882	8								2.59		1.07	0	8					Lockmaster
Davis	Tucker	3,093	20								5.52	+1.75	2.53	0	9	10	11	9	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt††	615	17								3.24	+0.55	1.33	0	6					Lockmaster
Elkins	Randolph	1,947	28	62.9	−0.1	87	6	32	19	40	3.28	+0.13	0.94	0	10	10	7	13	nw.	U. S. Weather Bureau
Fairmont	Marion	888	23	^{a}67.6	+0.7	95^{a}	3†	34^{a}	19	49^{b}	2.86	−0.03	1.12	0	7	18^{a}	4^{a}	7^{a}	w.	J. C. Robinson
Glenville	Gilmer	738	35	69.4	+1.7	96	3	34	19	45	2.90	−0.37	1.04	0	8	16	6	8	w.	Howard R. Brannon
Grafton	Taylor	1,000	36					34	19†		3.30	+0.38	1.02	0	6	15	10	5	e.	Curtis Boice
Horner	Lewis	1,044	6								4.40		1.47	0	6					Foster R. Hardman
Horton	Randolph	2,840	4								3.78		2.21	0	7	13	1	16	sw.	J. W. White
Janelew (near)	Lewis	1,020	6	67.1		93	7	32	19	43	3.95		1.25	0	5	18	6	6	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	31	67.0	+2.1	95	8†	30	19	46	2.93	+0.15	0.92	0	7	14	8	8	w.	Allen Smith
Mannington	Marion	985	26	64.7	+0.1	89	6†	32	19	39	2.95	−0.22	0.95	0	10	13	7	10	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	36	^{a}67.6	+0.4	92	7	32^{a}	19	37^{a}	4.12	+0.95	2.40	0	5	3	11	16	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	31	^{a}65.9	+1.0	93^{a}	2	36	19	42^{a}	3.09	+0.01	0.80	0	15	13	5	12	s.	Geo. W. Derouin
New Martinsville	Wetzel	634	35	68.8	+2.2	94	5	36	19	38	2.90	+0.25	1.25	0	5	16	7	7	s.	Wm. Ankrom
Parkersburg	Wood	638	42	68.0	+0.7	92	3	40	19	36	4.12	+1.36	1.91	0	9	11	7	12	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	29	63.7	+0.8	88	6	34	19	40	3.03	−0.09		0	9	14	15	5		J. W. Swisher
Parsons No. 2	Tucker		3								3.74	+0.62	1.03	0	10	17	8	5		Robert T. Deem
Philippi	Barbour	1,550	32																	Prof. W. W. Thomson
Philippi No. 2	Barbour										3.11	−0.03	0.99	0	8					H. F. Brittingham
Pickens	Randolph	2,697	26	61.0	+0.7	87	8	25	19†	47	3.82	−0.11	1.59	0	8	20	4	6	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	6								4.36		1.49	0	8	22	4	4		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	42								3.16	+0.09	0.84	0	9					Walter H. Bolyard
Saint Marys	Pleasants	577	20								3.88	+1.38	1.48	0	8					Wm. Hughes
Terra Alta	Preston	2,559	28	61.3	−1.0	88	7	25	19	40	4.47	+0.84	1.02	0	10	10	9	11	sw.	J. J. Shanahan, E. M.
Thomas	Tucker	1,112	0								3.81		1.69	0	8					H. L. Stiles
Valley Chapel	Lewis	1,011	6	67.0		92	7	34	19	42	3.76		1.32	0	8	15	9	6	w.	J. C. Campbell
Vandalia	Lewis	1,120	6																	Creed H. McCue
Wellsburg	Brooke	668	22	65.2	+1.0	92	3†	31	19	48	2.71	−0.48	1.19	0	8	13	11	6	w.	George P. Pfister
West Milford	Harrison	979	4								3.26		1.13	0	7					Miss Dicie E. Wagner
Weston	Lewis	1,026	34	67.4	+0.6	92	3†	35	19	39	3.15	+0.26	1.30	0	9	6	23	1		Weston State Hospital
Wheeling	Ohio	645	42	^{a}67.2	+0.8	98^{a}	3	31	19	52^{a}	2.49	−0.24	1.05	0	12	14	6	10	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	2								2.79		0.90	0	10	13	12	5	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	3								0.73		0.35	0	7	18	4	8	sw.	H. S. Sutton
Bancroft	Putnam	574	25	67.4	−0.9	93	7	35	19	42	2.12	−0.67	0.54	0	6	22	0	8	ne.	R. E. Dent
Bluefield ^{f}	Mercer	2,558	34	63.8	−1.9	87	6	32	19	33	1.57	−1.09	0.63	0	4	9	10	5		Norfolk & Western Ry.
Camden-on-Gauley††	Webster	2,029	14								3.79	+0.45	1.20	0	5					Miss Katie Jarvis
Charleston	Kanawha	600	26	71.2	+1.1	101	7	41	19	44	2.36	−0.73	0.84	0	8	15	0	15		R. O. Fields
Clay	Clay	706	13								1.76	−1.70	0.92	0	7					Chilton Wilson
Dam 6 G. K††	Kanawha	598	3								2.04		0.65		8					Lockmaster
Dam 19 O. R.	Wood	600	13								3.88	+0.12	1.30	0	9					Lockmaster
Dam 20 O. R.	Wood	600	13								2.29	−1.03	0.82	0	9					Lockmaster
Dam 25 O. R.	Mason	565	2								2.45		0.58	0	9					Lockmaster
Dam 26 O. R.	Mason	564	13								2.27		0.50	0	9					U. S. Engineer Office
Gary	McDowell	1,426	13	67.4		90	7	40	19	36	1.26	−2.19	0.57	0	9					U. S. Coal & Coke Co.
Hinton	Summers	1,431	32	66.4	−1.2	96	2	40	19	44	0.91	−1.85	0.40	0	8	16	6	8		Mrs M. L. McClung
Huntington	Cabell	538	32	71.5	+3.3	97	5	38	19	41	2.74	+0.02	0.57	0	11	6	15	9	w.	H. N. Robinson
Kanawha Falls	Fayette	618	10								2.16		0.60	0	6					J. O. Brown
Kayford	Kanawha	1,335	13								2.74	−1.18	1.37	0	9					Cabin Creek Con. Coal Co
Kermit	Mingo	579	3								2.23		0.90	0	8					E. B. Kirk
Lewisburg	Greenbrier	2,250	29	64.2	+0.1	89	6†	31	19	40	0.70	−2.13	0.35	0	3	16	7	7	s.	Geo. T. Argabrite
Logan	Logan	700	26								1.49	−1.50	0.83	0	7					J. R. Wampler
Marlinton	Pocahontas	2,131	30	59.3	−1.1	84	3	28	19†	40	1.86	−1.24	0.58	0	7	7	19	4	sw.	S. L. Brown
Organ Cave	Greenbrier		3																	J. J. Hedrick
Point Pleasant	Mason	595	36	70.0	+0.8	97	3†	35	19	42	3.59	+1.07	1.02	0	11	16	8	6	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	6	68.6		94	7	34	19	44	2.87		1.20	0	6	21	0	9	sw.	Lockmaster
Robertsburg	Putnam	570	29	68.6	+0.5	96	5	37	19	43	2.87	+0.56	0.73	0	9	16	0	14		M. Frazier
Ryan	Roane	700	26	65.5	−0.5	95	2†	31	19	45	2.64	−0.15	0.75	0	9	13	9	8		Wm. E. Ryan
Sharples	Logan		9								2.58		0.83	0	7					R. W. Howard
Spencer	Roane	789	25	65.6	−0.3	90	6†	35	19	46	2.71	−0.23	1.07	0	8	16	8	6		A. M. McKown
Summersville	Nicholas	1,894	5																	J. H. Rohrabaugh
Sutton	Braxton	850	23	^{d}69.0	+3.9	93	5†	38^{d}	20	40^{d}	6.25	+3.09	3.20	0	7	23	0	7		C. B. Eakle
Union ^{r}††	Monroe	2,250	25	65.8	+0.7	92	3†	34	19	48	1.15	−1.45	0.64	0	2	11	6	8		W. M. H. Young
Wayne	Wayne	598	2								3.27		1.09	0	10					Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	19	^{a}63.1	−1.1	92^{a}	5	32	18†	45^{a}	0.80	−2.33	0.40	0	4	27	2	1		H. E. Green
Williamson	Mingo	673	29	^{a}71.9	+1.6	94^{a}	5	46	19	40^{a}	2.31	−0.71	0.76	0	11	16	0	14	ne.	Mrs. T. W. Lowe
State averages and	extremes			66.5	+0.8	102	3	24	19†	60	2.95	−0.21	3.20	0	8	15	7	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for September, 1929

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard |||	Potomac							.06	1.36	.67	T.			T.	.19			1.38	.01												.29		3.99
Brandywine	do								.45	.45	.05				.15			.30												T.			1.40
Harpers Ferry |||	do						T.				.10				.14	.46		.37	.25												T		1.32
Martinsburg |||	do					.10	.25		.05	.05	.35				.35			.40	.25												.15		1.95
Moorefield	do								.82	.50	.01				.30			.17													.18		2.01
Perry	do						*			.37						.20		.50												.08	1.34		2.49
Piedmont	do						.60	.48								.20												T.		T	.35		1.63
Romney |||	do					.05				.65	.40							.27	.05												.50		1.92
Stony River Dam	do								.87	.38		.07			.10	.18		.43	.12					.08							.16		1.89
Upper Tract	do							T.	T.	.40				.11				.20													T		0.71
Wardensville |||	do								.07	.09	.09					.08		.10	.04												.10		0.67
Northern Division																																	
Aberdeen	Monongahela				T.			.13	.47	1.05	.11			T.	.60		.07	.76												.63	.02		3.84
Alma (near)	Ohio						.03	.03	2.80		.05			.57	.13		.01	.75	.01											.52			4.90
Benson	Monongahela						.07	.19	1.19	.50	.22			.02	.28		.03	1.34												.50	.02		4.36
Bens Run	do								.20		.02			.74	.07		.21	1.46	.02											.76			3.48
Brownsville	do				T.	T.	T.	T.	1.12	.83	.23			.04	.51	.01	.06	.80									T.				.45		4.05
Bruceton Mills	do						T.	.52	T.	T.	T.				.45		.75	T.	T.											.45	T.		2.17
Buckhannon	do				T.			.75	.33	1.45	.15			.35	.30		.50	.30												.70			4.83
Clarksburg |||	do								1.98	.69	.14	.04			.04	.15		.88													.29		4.21
Cortland |||	do							1.06	.71	.41	.21			.17	.08			.33												.32			3.29
Crawford |||	Little Kanawha				T.			.70	.56	1.51	.28			.23	.35		.02	.90												.11	.04		4.70
Creston |||	Monongahela								.63	.10	.32			.47	.12	.15		.75													.18		2.72
Dam 10, Mon. R.|||	Ohio							.02	2.56	.20	.04			.06		.25		.84															3.97
Dam 12, O. R.|||	do							.22	.10	.08	.09			.96	.10			.43	T.								T.	T.	.02		.10		2.10
Dam 13, O. R.|||	Monongahela							.15	.25	.02	.30			.92	.05	.06	.41	.40	.02								.67	.03			.62		3.90
Dam 15, Mon. R.|||	do								.46	.35	.04			.12	.03	.24		1.07													.28		2.59
Davis |||	do							T	2.53	.08	.26	.12			.39	.09		.75	1.02							T.					.28		5.52
Elizabeth (D'm 3 L K)	Little Kanawha								.79					1.08	.25	.09		.96													.07		3.24
Elkins ***	Monongahela				T.			.93	.18	.22	.31			.29	.11		.01	.79										T		.14	.30		3.28
Fairmont |||	do								.65	.40		T.			.03	.21		1.12	.03												.42		2.86
Glenville |||	Little Kanawha								1.04	.05	.26			.22	.08	.36		.74										T.			.15		2.90
Grafton |||	Monongahela							.43	.57	.16	T.				.51		1.02													.61			3.30
Horner	do							1.25			.33				1.47		.50							.50							.35		4.40
Horton	do							.33	2.21	.11	.23				.11			.61													.18		3.78
Janelew (near)	do								.85	1.25					.55			.95													.35		3.95
Lost Creek	do						T.		.53	.90	.16			.03	.09		T.	.92	T.											.30			2.93
Mannington	do						.02		.95	.06	.04			.16	.37		.02	.91								.01				.41			2.95
Morgantown	do								2.40	.30				T.	.22	T.		.80												.40	T.		4.12
New Cumberland |||	Ohio						.02	.08	.08	.04	.12	.04		.80	.48	.21	.03	.55									.10	.02	.04		.48		3.09
New Martinsville	do								.60					.55			.15	1.25												.35			2.90
Parkersburg ***	do						.14	1.91	.01	.07	.01		.62	.56	.17		.39	.08								T.	T.	T.		.16			4.12
Parsons	Monongahela						.12		T.	.10	.07			*	.20			1.00	.14											*	1.40		3.03
Parsons No. 2	do						.04		1.03	.21	.40			.25	.28		.03	.99												.33	.18		3.74
Philippi	do																																......
Philippi No. 2	do							.40	.35	.30	.12				.35	.20		.99	T.												.40		3.11
Pickens	do				T.			.05	.50	1.59	.28			.40	.24															.30	.46		3.82
Roanoke	do								1.49	.54	.19			.07		.05	.81	.65									T.				.56		4.36
Rowlesburg |||	do								.70	.11	.16	.04			.50	.37		.84	.04												.40		3.16
Saint Marys |||	Ohio							T.	.82		.09	.01		.73	.02	.10		1.48													.63		3.88
Terra Alta	Monongahela				T.		T.	.96	1.00	.08	.41			.25	.43		.12	1.02	T.									T.		.12	.08		4.47
Thomas |||	do								1.69	.06	.26	.15			.32	.40		.70	.23														3.81
Valley Chapel	do							.10	.26	1.30	.28			.03	.15			1.32													.32		3.76
Vandalia	do																																......
Wellsburg	Ohio						T.	.02	.08	.26				1.19	.42			.41									.21			.12			2.71
West Milford	Monongahela								.41	.77	.20			.10	.20			1.13													.45		3.26
Weston	do								.40	1.30	.10			.10	.05	.20		.50	.20												.30		3.15
Wheeling |||	Ohio							.30	.13	.02	.13	T		1.05	.12	.06		.55	.01								.01	T.	.01		.10		2.49
Woodlands |||	do							.30	.25	T.	.24			.55	.08	.03		.38									.03	T.	.03		.90		2.79
Southern Division																																	
Arbovale	Great Kanawha						.01			.05	.10			.17	.05		.05	.30															0.73
Bancroft |||	do								.38		.20			.54	.25	.40		.35															2.12
Bluefield	do										.21			.56			.17	.63															1.57
Camden-on-Gauley |||	do		.80						1.20	1.02								.44													.33		3.79
Charleston |||	do							.08	.40	.14	.40			.26		.10		.84													.14		2.36
Clay |||	do								.39	.06	.08	.02			.17			.92													.12		1.76
Dam 6 G. K. |||	do							.10	.18	.13	.65			.28	.03	.10		.57															2.04
Dam 19 O. R. |||	Ohio							.16	1.03	.01	.04			1.08	.12	.12		1.30	T.								.02						3.88
Dam 20 O. R. |||	do					.06		.03	.32		.34			.82	.15	.17		.38									.02						2.29
Dam 25 O. R. |||	do							.17	.21		.30			.51	.08	.13		.58									.03				.44		2.45
Dam 26 O. R. |||	do							.35	.13	.08	.30			.50	.10	.20		.45													.16		2.27
Gary |||	Big Sandy				.01				.01	.35	.14	.08			.01	.07		.57		.02													1.26
Hinton |||	do				T.			.07	.02	.03	.40	.01			T.	.04		.18	.16														0.91
Huntington |||	Ohio						.57	.38	.18	.16	.04			.55	.24		.11	.14								T.	.03			.34			2.74
Kanawha Falls |||	Great Kanawha								.60	.44	.30							.55	.15												.12		2.16
Kayford |||	do					T.			.54	1.37	.06	.06			.01	.10		.16	.33												.11		2.74
Kermit |||	Big Sandy							.48	.25	.03	.26				.25			.90	.05								.01						2.23
Lewisburg	Great Kanawha									T.	.26				.09			.35															0.70
Logan |||	Guyandotte					.05				.15	.10	.07			T.	.19		.83													.10		1.49
Marlinton	Great Kanawha							.58	T.	.48	T.			.34	.18		.08	.12													.08		1.86
Organ Cave	do																																......
Point Pleasant |||	Ohio							.47		.15	.04	1.02			.58	.16	.18	.04	.38									.08			.49		3.59
Ravenswood (Dam 22	Ohio							1.20						.67	.10	.15		.45													.30		2.87
Robertsburg |||	Great Kanawha							.45	.72	.03	.33	.05		.73	.17	.19		.20									T.						2.87
Ryan	do							.19	.75	.43	.02			.23	.46		.27	.27							.02								2.64
Sharples |||	Coal River			T.				.05	.83	.13	.60	.05						.62	T.												.30		2.58
Spencer |||	Great Kanawha							.07	.12	.58	.37			.35	.05			1.07													.10		2.71
Summersville	Gauley																																......
Sutton	do								.40	3.20	.35			.15	.35			1.30													.50		6.25
Union	do														.51			.64													T.		1.15
Wayne |||	Big Sandy							.39	.12	.15				.47	.19	.31	.44	.04									.07				1.09		3.27
White Sulpr. Spgs. |||	Great Kanawha						.10	.25		.05							.40																0.80
Williamson |||	Big Sandy								.10	.39	.10	.02			.03	.76		.29	.03								.01	.20			.38		2.31

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for September, 1929

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	87	91	89	86	86	91	89	84	83	77	71	75	78	71	77	71	69	67	59	59	60	57	67	79	79	80	75	84	83	80	..	76.8
	Minimum	38	44	43	49	46	46	59	62	59	63	43	40	55	54	35	42	60	43	24	30	27	36	47	40	47	51	49	49	48	57	..	46.2
Brandywine	Maximum	90	93	94	89	90	89	90	87	86	85	84	82	78	75	76	78	80	74	75	72	70	60	60	80	85	88	90	91	91	82	..	82.1
	Minimum	57	60	58	55	56	58	62	61	60	65	50	45	58	55	42	44	57	40	28	29	28	36	50	54	58	55	52	51	53	50	..	50.9
Martinsburg§	Maximum	95	98	98	87	88	90	92	90	92	92	75	80	87	85	77	85	80	67	63	65	67	65	93	83	85	86	81	86	93	..	..	83.6
	Minimum	48	54	60	57	62	67	69	70	64	67	57	46	50	62	50	45	46	51	35	39	40	40	48	49	47	50	60	57	55	62	..	53.6
Moorfield	Maximum	96	99	102	96	96	99	99	97	95	91	82	64	70	71	79	89	83	76	55	56	70	66	68	86	85	89	88	93	98	91	..	84.3
	Minimum	46	49	51	56	60	59	66	67	69	68	51	50	59	62	46	45	67	47	30	32	32	39	35	33	54	60	57	54	55	60	..	52.0
Piedmont	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Romney §	Maximum	95	100	100	94	94	97	95	90	..	94	80	85	85	63	75	85	78	65	65	66	68	55	71	88	85	91	84	96	95	..	..	83.5
	Minimum	50	52	53	55	65	66	67	66	68	..	54	45	57	61	47	43	53	50	30	34	33	37	52	49	50	66	61	43	46	39	..	51.4
Upper Tract	Maximum	89	86	83	89	89	89	90	90	89	85	78	78	80	80	78	84	77	72	65	67	66	66	66	75	91	92	93	94	96	..	..	82.0
	Minimum	59	58	54	58	48	64	63	63	62	66	47	48	45	45	41	45	63	45	28	29	30	34	34	52	54	54	53	53	52	..	..	50.0
Wardensville	Maximum	93	95	99	98	96	95	96	93	93	89	82	89	90	85	82	..	..	..	..	..	..	..	76	70	73	85	87	86	85	80	..	87.7
	Minimum	34	35	40	41	43	55	50	51	50	51	47	40	41	45	29	28	40	40	25	25	24	30	31	30	30	45	51	50	49	38	..	39.6
Northern Division																																	
Bens Run	Maximum	88	91	92	90	91	92	72	82	88	83	79	82	73	73	75	77	76	75	65	69	70	72	71	84	83	83	83	89	87	76	..	81.0
	Minimum	52	54	54	62	62	64	70	68	68	70	50	50	65	60	46	46	64	48	37	45	45	44	48	53	59	66	65	63	63	60	..	56.7
Buckhannon	Maximum	80	83	85	78	84	86	82	80	82	83	71	79	77	71	68	76	77	61	57	60	66	68	77	78	79	88	79	81	81	70	..	76.2
	Minimum	45	54	53	58	56	60	61	66	65	68	50	61	63	59	44	49	48	50	34	40	43	38	48	47	62	62	64	62	58	60	..	54.3
Cairo	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Clarksburg §	Maximum	88	91	95	90	95	93	93	85	86	81	70	85	78	75	76	80	74	61	59	67	70	73	80	85	89	80	87	92	88	64	..	81.0
	Minimum	47	52	52	57	58	56	59	65	63	68	49	51	61	60	42	44	48	51	34	40	40	37	47	47	59	62	63	60	57	62	..	53.0
Creston	Maximum	75	89	91	89	88	86	94	85	85	82	79	82	77	71	74	77	75	63	65	68	72	74	84	81	83	83	88	90	85	71	..	80.2
	Minimum	47	48	52	57	56	59	69	66	55	69	50	48	63	57	43	45	53	51	35	39	40	38	45	48	56	62	62	58	57	60	..	52.9
Elkins	Maximum	83	86	87	77	86	87	86	82	82	78	67	78	77	71	74	77	69	55	59	65	64	64	74	79	78	83	78	84	83	64	..	75.9
	Minimum	43	52	50	55	55	52	61	64	62	54	47	51	63	54	43	44	48	36	32	34	36	45	46	44	54	55	57	56	53	52	..	49.9
Fairmont§	Maximum	..	94	95	88	95	93	95	92	92	82	88	89	75	72	74	76	77	64	63	70	71	71	83	88	87	87	81	81	92	64	..	82.0
	Minimum	51	..	58	60	53	58	61	65	65	67	50	40	47	54	43	43	55	51	34	43	41	46	47	49	55	55	64	63	61	60	..	53.1
Glenville	Maximum	91	94	96	94	95	95	95	95	90	84	84	85	87	77	77	79	78	77	67	74	76	78	87	88	90	88	92	93	91	88	..	86.2
	Minimum	46	52	52	55	57	55	66	65	65	67	48	49	62	57	43	44	61	48	34	37	38	36	43	49	57	60	62	57	54	60	..	52.6
Grafton	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	45	48	46	59	52	63	64	62	67	45	46	58	56	40	40	62	48	38	34	34	35	42	43	54	57	59	58	54	54	55	..	50.6
Lost Creek	Maximum	90	91	94	89	94	91	91	95	95	82	77	84	76	71	72	78	74	65	60	70	70	73	83	87	88	88	87	89	88	70	..	82.2
	Minimum	44	52	50	55	55	55	68	62	61	62	46	50	60	58	50	38	60	50	30	38	36	34	41	44	58	60	61	59	55	60	..	51.8
Mannington	Maximum	83	86	88	84	86	89	89	81	84	80	74	79	75	70	68	76	71	63	58	64	66	67	76	79	81	78	80	84	84	68	..	77.0
	Minimum	48	53	49	54	57	55	65	65	63	68	46	46	61	59	41	41	61	47	32	40	36	43	43	45	55	62	62	59	57	59	..	52.4
Morgantown	Maximum	89	90	90	84	91	91	92	87	86	83	74	82	76	72	72	80	73	67	58	66	66	68	78	82	86	84	79	87	86	67	..	79.5
	Minimum	52	58	56	59	59	64	67	64	65	69	50	52	56	57	42	53	60	48	32	41	45	47	52	54	61	65	65	63	..	56	..	55.6
New Cumberland§	Maximum	91	93	88	92	92	91	89	87	87	82	72	82	73	69	72	80	74	60	60	61	67	71	78	84	83	77	78	87	76	..	..	79.2
	Minimum	49	56	52	56	58	59	66	67	67	68	52	46	56	60	43	44	48	43	36	38	39	38	45	49	50	62	61	59	60	52	..	52.6
New Martinsville	Maximum	89	93	93	92	94	91	93	83	87	84	75	81	77	70	76	78	77	72	62	70	72	75	84	85	86	81	87	91	87	71	..	81.9
	Minimum	52	56	55	58	60	61	68	62	66	71	48	50	64	60	45	47	63	45	36	47	44	42	49	53	58	66	64	61	61	55	..	55.6
Parkersburg	Maximum	85	91	92	90	91	90	91	80	87	80	71	81	75	70	70	76	75	60	61	66	69	70	80	81	81	80	84	89	88	67	..	79.0
	Minimum	54	55	59	63	62	66	69	67	69	62	55	55	67	55	44	49	60	46	40	46	45	46	51	54	61	66	66	64	64	54	..	57.1
Parsons	Maximum	85	85	87	78	86	88	87	83	82	78	69	77	79	66	71	79	74	57	60	66	66	67	70	81	79	81	80	84	83	66	..	76.5
	Minimum	45	46	57	55	56	52	63	63	64	58	47	50	56	53	44	45	54	44	34	37	36	40	50	45	55	56	56	55	55	55	..	50.9
Pickens	Maximum	83	86	86	78	84	87	81	82	82	75	68	78	76	70	73	77	65	62	58	65	68	72	80	81	80	82	80	83	83	65	..	76.3
	Minimum	40	45	47	51	52	51	56	56	58	50	38	45	56	45	36	46	48	41	25	25	33	35	42	43	51	51	52	58	51	47	..	45.8
Terra Alta	Maximum	83	86	87	84	86	85	88	83	81	75	69	71	74	68	70	75	68	61	56	54	57	55	64	75	76	75	74	81	80	63	..	73.5
	Minimum	43	46	53	52	48	50	61	60	61	65	45	46	57	52	42	48	58	44	25	34	34	41	47	48	47	54	53	55	52	53	..	49.1
Wellsburg	Maximum	89	91	92	89	92	88	88	80	87	82	72	82	75	68	72	77	74	66	59	64	67	69	78	82	85	77	79	86	78	72	..	78.7
	Minimum	51	52	50	54	54	61	67	65	65	71	52	43	62	56	41	39	61	41	31	40	33	33	40	44	55	64	60	57	56	56	..	51.8
Weston	Maximum	82	86	92	90	88	91	92	89	85	82	76	78	76	72	75	75	78	75	60	65	69	71	78	83	84	88	86	88	86	80	..	80.7
	Minimum	46	54	53	59	58	59	68	67	63	67	50	52	61	58	43	46	62	52	35	40	41	38	47	48	64	61	64	59	48	58	..	54.0
Wheeling§	Maximum	90	97	98	95	96	94	96	80	90	89	79	85	75	79	79	80	81	68	68	71	76	77	88	92	92	80	84	95	80	..	..	84.6
	Minimum	46	49	52	55	55	60	62	64	65	65	45	42	48	60	42	40	45	41	31	33	35	34	42	45	49	55	57	60	59	55	..	49.7
Southern Division																																	
Bluefield	Maximum	..	..	80	79	82	87	85	..	78	78	71	73	73	75	..	73	71	67	59	61	64	..	64	64	68	71	76	82	..	82	..	73.5
	Minimum	..	..	47	60	56	57	65	..	63	65	48	55	62	59	..	43	60	44	32	42	44	..	43	57	58	62	60	60	..	56	..	54.1
Charleston§	Maximum	92	98	98	91	97	98	101	97	95	86	84	84	77	75	81	76	82	75	72	72	80	80	88	80	84	80	93	98	97	72	..	86.1
	Minimum	51	56	60	60	62	62	66	68	69	69	54	54	60	62	48	52	52	54	41	42	46	44	44	52	51	61	64	60	60	66	..	56.4
Gary §	Maximum	85	88	87	80	87	88	90	88	86	81	73	81	77	80	76	78	73	63	66	68	69	71	75	74	78	80	85	88	87	75	..	79.2
	Minimum	50	54	51	54	58	60	65	68	65	67	54	53	62	60	50	51	57	55	40	42	41	41	56	57	60	63	60	54	56	63	..	55.6
Hinton §	Maximum	58	96	74	83	93	86	85	82	84	82	81	81	78	78	82	79	76	67	69	70	72	60	64	74	79	79	87	92	87	71	..	78.3
	Minimum	50	52	54	56	58	60	63	68	66	67	52	52	56	63	47	49	52	51	40	41	41	42	49	59	63	64	58	54	55	52	..	54.5
Huntington	Maximum	91	96	96	94	97	94	95	89	89	84	78	85	79	75	79	77	81	72	71	71	76	77	86	86	80	82	89	91	91	83	..	84.6
	Minimum	49	52	56	63	68	71	74	69	68	72	53	56	68	65	46	50	67	52	38	47	45	42	50	53	63	66	63	62	62	62	..	58.4
Lewisburg	Maximum	81	85	86	80	86	89	86	89	83	81	73	77	78	75	73	79	74	69	60	64	65	65	73	69	75	74	82	84	84	78	..	77.2
	Minimum	42	45	47	56	52	55	63	64	60	63	46	48	61	56	41	45	61	41	31	35	35	42	59	55	60	63	52	51	52	52	..	51.1
Marlinton	Maximum	76	80	84	76	78	80	82	80	78	74	70	68	70	68	66	72	66	58	58	55	60	64	68	66	70	74	78	80	78	68	..	71.6
	Minimum	40	42	44	50	60	48	60	62	62	60	42	44	54	46	38	40	48	40	28	30	28	34	46	50	54	58	50	48	50	54	..	47.0
Point Pleasant	Maximum	88	92	97	96	94	95	97	90	90	84	84	85	85	82	72	80	80	78	69	70	72	75	88	88	85	85	90	96	90	80	..	85.2
	Minimum	48	50	55	61	58	64	68	66	66	69	48	50	63	56	43	46	62	47	35	45	40	39	48	50	60	63	62	61	59	60	..	54.7
Ravenswood	Maximum	88	93	93	93	93	90	94	85	88	82	78	83	79	74	72	75	78	76	62	67	70	72	83	82	86	82	87	90	86	78	..	82.0
	Minimum	48	49	55	60	57	63	66	65	67	70	50	51	65	60	42	46	63	50	34	46	40	39	47	50	60	63	63	62	60	61	..	55.1
Robertsburg§	Maximum	90	94	95	93	96	89	90	85	88	82	79	85	75	72	78	75	77	64	69	72	77	78	87	85	80	82	84	91	82	68	..	82.1
	Minimum	47	55	57	62	58	60	69	66	67	68	51	55	63	62	43	45	54	52	37	40	40	40	47	49	55	62	63	62	60	63	..	55.1
Ryan	Maximum	85	95	95	95	95	94	90	80	80	80	72	82	72	65	80	72	75	65	62	65	72	75	85	75	80	80	88	88	86	70	..	79.9
	Minimum	41	52	50	56	52	54	65	65	60	58	56	51	61	57	39	45	55	48	31	38	37	33	43	46	60	56	59	54	54	58	..	51.1
Spencer §	Maximum	83	88	88	85	88	90	90	88	87	80	70	80	71	68	70	74	73	62	60	66	68	70	80	82	83	80	86	88	87	68	..	78.4
	Minimum	47	49	54	56	58	59	44	67	66	69	51	52	56	64	43	46	59	51	35	36	40	38	47	49	51	60	63	59	59	60	..	52.9
Sutton	Maximum	89	91	91	84	93	93	87	87	90	90	80	83	83	70	75	75	76	76	66	61	72	82	82	82	82	84	84	91	91	88	..	82.6
	Minimum	49	54	55	58	59	58	65	62	65	63	50	52	61	59	45	48	65	56	43	38	42	..	..	..	..	61	61	58	56	57	..	55.5
Union	Maximum	..	90	92	92	89	91	92	..	92	82	77	78	77	80	..	80	79	69	64	66	66	..	70	70	78	75	80	88	..	89	..	80.2
	Minimum	..	42	47	56	51	56	63	..	60	63	44	51	61	57	..	43	61	44	34	37	37	..	41	58	59	63	54	51	..	52	..	51.5
White Sulphur Spgs§	Maximum	88	90	78	88	92	88	84	84	82	78	78	78	78	75	79	74	64	63	64	69	65	72	70	70	75	82	83	84	76	..	..	77.6
	Minimum	44	45	48	54	56	55	64	62	62	45	46	54	56	44	42	44	44	32	33	32	36	36	48	58	62	48	48	50	54	55	..	48.6
Williamson§	Maximum	90	86	84	89	94	92	92	90	91	86	80	85	77	78	80	75	79	69	70	74	75	77	84	81	76	81	90	93	90	..	..	83.0
	Minimum	50	50	52	66	65	67	71	70	70	70	57	61	67	65	62	62	65	55	46	47	52	55	56	57	61	67	65	62	66	64	..	60.8

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.156	.144	.222	.178	.089	.200	.145	.212	.015	.180	.204	.161	.130	.057	.066	.127	.060	.147	.164	.134	.133	.156	.134	.166	.111	.112	.111	.100	.157	.124	....	4.095
	Wind movement	25	20	30	16	26	24	36	36	21	36	24	113	33	37	51	16	40	61	69	70	74	55	63	46	22	21	21	20	18	58	....	1,182

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 10-25-29—900)

NWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

UNIVERSITY ... ILLINOIS

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVII Parkersburg, W. Va., October, 1929 No. 10

GENERAL SUMMARY

October averaged cold and exceptionally wet, with an excess of cloudy weather. The temperature was not exceptionally low at any time but averaged below the normal for about twenty days. With the exception of 1925 the precipitation was the greatest of October State record. The average October precipitation for the State was above five inches in only four years of record, as follows: 1911, 5.28 1919, 5.84; 1925, 7.30; 1929, 6.17. Much corn was washed from low bottoms by excessive rains on the 1st-3d and 22d, when streams and small rivers were at flood stages, the loss occurring mostly over the extreme eastern counties and central and northern mountain regions. The apple-crop was secured under generally favorable weather conditions. Winter grains were good at the close of the month.

TEMPERATURE

The monthly mean for the State, determined from 44 stations, was 52.6°. The departure from the normal for 37 stations having ten or more years of record was —2.4°. The temperature was above the normal on the 12-13th, 19th-22d, 26-27th, and 30th-31st, the highest readings occurring in most sections on the 20th. Cool weather prevailed from the 1st to the 10th and on the 14-15th, 17-18th, 23d-25th, and 28-29th, the lowest readings occurring mostly on the 18th.

PRECIPITATION

The average precipitation for the State, determined from 79 stations, was 6.17 inches. The departure from the normal for 53 stations having ten or more years of record was +3.21 inches. The precipitation was greatest over the eastern and mountain counties and lightest over the western counties. Most of the precipitation was noted from the 1st to the 4th, the 21st to the 25th, and the 29th to the 31st, with excessive amounts on the 3d and 22d; but moderate rain fell on the 12-13th and 16-17th. In most regions only traces of snow were noted, on the 24th, but at several stations in the mountains the amounts were measurable. The greatest amounts were as follows: Stony River Dam, 1.3 inches; Davis, 1.3 inches; Bayard, 1.0 inch.

FLOOD

At Glenville, on the Little Kanawha River, the river reached the flood stage of 23 feet at 7 a. m., October 3, a crest stage of 23.9 at 8 a. m., and fell back to a stage of 23 feet at 11 a. m. The river reached the flood stage for only a short distance below Glenville. In the Glenville district, it is estimated that corn to the value of $5,000 was washed into the river.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 11th; Bancroft, 8th, 9th, 11th, 14th, 15th, 18th, and 21st; Bayard, 1st and 2d; Brownsville, 15th; Charleston, 17th and 18th; Elkins, 8th, 9th, 14th, and 15th; Glenville, 14th, 15th, and 28th; Hinton, 9th, 14th, 15th, 26th, and 28th; Huntington, 15th, 18th, and 19th; Marlinton, 8th, 9th, 11th, 13th, 14th, 15th, 18th, 19th, and 20th; Parkersburg, 9th, 14th, and 15th; Pt. Pleasant, 14th and 15th; Wellsburg, 15th; Wheeling, 6th, 8th, 9th, 10th, 14th, 15th, 18th, 19th, and 28th.

Hail, light: Bruceton Mills, 16th; Parsons, 3d.

Halos, lunar: Parkersburg, 13th; Terra Alta, 14th.

Sleet: Martinsburg, 30th.

Thunderstorms: Bayard, 16th; Davis, 4th and 14th; Huntington, 3d; Mannington, 3d, 16th, and 22d; Parsons, 16th; Terra Alta, 3d, 16th, and 22d; Wellsburg, 22d.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity Miles per hour	Direction	Date
Cincinnati, Ohio	30.08	85	58	65	176.1	51	4,969	6.7	26	sw.	22
Columbus, Ohio	30.07	81	60	73	149.1	43	6,914	9.3	37	w.	16
Elkins	30.11	85	57	75	144.7	42	3,894	5.2	26	w.	16
Lexington, Ky	30.09	79	59	.....	134.1	39	8.791	11.8	33	sw.	22
Parkersburg	30.09	78	55	69	140.9	41	3,810	5.1	18	sw.	22
Pittsburgh, Pa	30.07	81	66	64	159.1	46	7,127	9.6	41	s.	22
Wytheville, Va	30.09	84	67	75	187.0	54	4,549	6.1	26	nw.	2

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	51.5	95	21	1.97	2.91	T.	.....	7	.....	.....	.....
1892	52.6	89	24	0.83	1.45	0.21	.....	4	.....	.....	.....
1893	54.1	86	16	4.74	7.22	1.00	.....	5	21	6	4
1894	54.4	88	22	2.32	3.85	1.17	T.	7	16	8	7
1895	48.1	89	8	1.29	2.25	0.16	T.	5	22	5	4
1896	51.0	82	20	2.08	4.37	0.45	T.	7	14	9	8
1897	58.2	95	22	0.53	2.27	0.07	0	3	18	7	6
1898	55.6	95	19	4.84	8.50	2.48	T.	11	11	10	10
1899	56.8	91	19	1.42	3.81	0.23	0	5	15	7	9
1900	60.9	97	24	2.33	4.80	1.15	0	5	16	8	7
1901	54.3	86	19	0.54	1.95	0.12	0	3	19	6	6
1902	56.5	87	17	2.63	5.50	0.90	T.	6	16	8	7
1903	54.2	96	15	2.55	4.75	0.80	T.	6	17	7	7
1904	54.5	92	16	1.59	3.02	0.37	T.	5	18	8	5
1905	54.2	95	19	4.71	8.26	2.46	T.	6	13	8	10
1906	54.5	86	12	3.09	8.15	1.64	1.3	12	11	6	14
1907	50.3	87	19	2.65	5.12	0.54	0.1	7	15	9	7
1908	55.1	91	16	1.60	6.88	0.33	T.	5	18	7	6
1909	50.0	88	14	2.79	5.27	0.60	0.1	7	16	7	8
1910	58.1	95	15	1.85	2.96	0.80	0.7	6	18	7	6
1911	56.3	88	23	5.28	9.65	3.27	0	11	12	7	12
1912	55.5	93	20	1.34	3.10	0.20	T.	4	18	7	6
1913	54.5	92	12	4.50	8.11	1.78	0.3	11	12	6	13
1914	57.3	91	14	2.94	6.72	1.37	T.	9	12	8	11
1915	56.6	89	20	4.11	5.55	0.74	T.	6	17	7	7
1916	54.1	97	16	2.38	4.35	0.91	T.	7	19	5	7
1917	49.2	89	16	4.35	6.49	1.18	5.5	10	15	6	10
1918	58.2	89	24	3.68	7.53	1.59	T.	8	15	7	9
1919	62.3	102	28	5.84	11.88	2.13	0	14	9	7	15
1920	57.5	90	21	1.15	2.53	0.10	0.1	4	22	4	5
1921	53.7	88	21	2.48	5.76	0.30	0.1	8	18	5	8
1922	55.4	93	18	2.45	4.81	0.39	T.	6	19	5	7
1923	52.1	93	12	1.39	2.41	0.65	T.	6	19	5	7
1924	54.6	87	14	0.40	1.28	0.00	T.	2	23	4	4
1925	49.3	86	14	7.30	13.08	2.19	4.3	16	5	7	19
1926	54.9	92	20	4.79	8.74	1.04	0.3	12	10	8	13
1927	57.0	100	21	4.13	11.10	1.14	0.4	8	19	4	8
1928	56.7	94	12	1.98	3.26	0.58	0.1	7	14	7	10
1929	52.6	89	21	6.17	10.93	3.92	0.1	11	13	6	12
1891-1929	54.7	102	8	2.90	13.08	0.00	0.4	7	16	7	8

Climatological Data for October, 1929

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	28	48.8	0	76	20	24	12†	51	9.41	+5.96	3.54	1.0	12	13[a]	6[a]	11[a]	w.	U. G. Clark
Brandywine	Pendleton	1,586	13	53.1	−0.4	80	6	27	18	48	5.75	+3.83	......	0	5	19	1	11	n.	Elmer Keister
Harpers Ferry	Jefferson	244	40	......	......	......	......	......	......	......	10.93	+7.98	3.24	0	8	......	......	......	......	J. C. Newcomer
Martinsburg	Berkeley	435	37	[a]51.7	−2.9	79[a]	7	30	19	44[a]	9.18	+6.62	3.35	T.	9	25	1	5	w.	Dr. H. S. Gardner
Moorefield[a]	Hardy	900	33	55.4	−0.2	85	12	29	19	48	4.91	+2.73	3.28	0	7	26	0	4	......	M. S. Henkel
Perry	Hardy	......	1	......	......	......	......	......	......	......	7.24	......	2.32	0	9	......	......	......	......	R. J. Leibold
Piedmont	Mineral	1,053	16	50.3	−3.2	76	20	31	9	39	5.22	+2.42	2.25	0	10	16	5	10	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	31	54.0	−1.2	82	21	30	9†	44	6.53	+4.15	3.65	0	7	18	2	11	......	George E. Bergdoll
Stony River Dam	Grant	3,300	9	......	......	......	......	......	......	......	9.55	......	2.00	1.5	12	8	6	17	w.	A. C. Becker
Upper Tract[a]	Pendleton	1,230	30	49.9	−5.6	78[a]	6†	29	9	47[a]	6.35	+4.35	3.60	0	5	11	0	19	e.	J. M. Mallow
Wardensville	Hardy	1,200	12	......	......	68[a]	21	......	......	......	9.05	......	3.13	0	8	17	6	8	w.	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	5	......	......	......	......	......	......	......	6.46	......	3.92	T.	11	10	9	12	w.	L. Else Bond
Alma (near)	Tyler	......	2	......	......	......	......	......	......	......	4.56	......	2.38	0	13	13	9	9	......	D. N. Furbee
Benson	Harrison	1,080	5	52.5	......	75	20†	25	18	44	5.20	......	2.20	0	13	8	17	6	......	John A. Clark
Bens Run	Pleasants	652	27	54.6	−2.1	77	19	32	17	39	5.71	+2.60	2.30	T.	11	16	7	8	......	J. D. Riggs
Brownsville	Lewis	1,032	6	54.2	......	80	20†	26	18	47	5.79	......	2.70	T.	13	17	7	7	......	George M. Myers
Bruceton Mills	Preston	1,549	12	......	......	......	......	......	......	......	10.47	+6.69	5.01	T.	5	7	19	5	ne.	Mrs Ola Wolf
Buckhannon	Upshur	1,411	32	52.0	−1.4	71	20†	29	18	36	5.91	+2.45	3.60	T.	10	11	12	8	......	H. A. Darnall
Cairo	Ritchie	680	30	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	O. C. Hess
Clarksburg	Harrison	1,015	7	51.6	......	79	20†	26	18	46	4.58	......	1.85	0	13	10	8	13	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	18	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	G. W. Harmon
Crawford	Lewis	1,107	6	......	......	......	......	......	......	......	6.00	......	3.60	0	11	15	10	6	w.	George W. Blair
Creston	Wirt	640	27	53.7	−2.1	80	20	29	18	47	5.75	+2.74	1.58	0	9	17	0	14	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	8	......	......	......	......	......	......	......	5.75	......	2.46	0	10	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	13	......	......	......	......	......	......	......	5.14	+1.94	2.08	0	11	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	13	......	......	......	......	......	......	......	4.99	+1.93	2.05	0	13	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	8	......	......	......	......	......	......	......	5.12	......	2.10	0	13	......	......	......	......	Lockmaster
Davis	Tucker	3,093	20	......	......	......	......	......	......	......	9.20	+5.05	2.70	1.3	14	12	9	10	......	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt††	615	17	......	......	......	......	......	......	......	5.50	+1.75	1.60	0	10	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	28	49.4	−2.9	76	19	28	18	47	7.28	+4.37	4.34	T.	12	5	9	17	w.	U. S. Weather Bureau
Fairmont	Marion	883	23	53.4	−1.5	80	20	30	18	46	5.21	+2.35	1.86	T.	12	9	12	10	w.	J. C. Robinson
Glenville	Gilmer	738	35	55.0	−1.0	88	20	27	18	54	5.95	+2.90	1.62	0	11	7	10	14	w.	Howard R. Brannon
Grafton ††	Taylor	1,000	36	[a]50.7	−4.9	78[a]	19	24	17	44[a]	6.17	+3.03	4.65	0	7	25	2	4	w.	Curtis Boice
Horner ††	Lewis	1,044	6	......	......	......	......	......	......	......	6.05	......	3.85	0	6	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	4	......	......	......	......	......	......	......	9.93	......	4.26	T.	10	15	0	16	w.	J. W. White
Janelew (near)	Lewis	1,020	6	54.0	......	80	31	26	18	45	4.93	......	3.20	0	7	16	7	8	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	31	52.6	−2.2	80	31	25	18	48	4.80	+2.07	3.08	0	12	17	5	9	w.	Allen Smith
Mannington	Marion	985	26	51.8	−2.7	76	31	26	18	43	5.01	+2.07	2.40	0	14	11	10	10	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	36	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Prof. E. L. Andrews
New Cumberland	Hancock	671	31	[a]50.2	−4.3	76[a]	19†	28	18	45[a]	4.69	+1.91	1.91	T.	15	10	8	13	n.	C. H. Hesse
New Martinsville	Wetzel	634	35	54.9	−2.1	80	19†	30	18	48	5.72	+2.84	2.65	T.	11	12	9	10	n.	Wm. Ankrom
Parkersburg	Wood	638	42	54.6	−1.5	77	20	33	18	38	4.34	+1.86	1.62	T.	13	7	8	16	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	29	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. W. Swisher
Parsons No. 2	Tucker	......	3	......	......	......	......	......	......	......	5.89	+3.01	2.18	T.	12	19	1	11	......	Robert T. Deem
Philippi	Barbour	1,550	32	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Prof. W. W. Thomson
Philippi No. 2	Barbour	......		......	......	......	......	......	......	......	5.93	+3.05	1.99	0	11	......	......	......	......	H. F. Brittingham
Pickens	Randolph	2,697	26	46.8	−5.6	74	19	21	18	46	9.16	+5.09	4.33	2.0	10	12	6	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	6	......	......	......	......	......	......	......	5.43	......	3.19	0	11	13	9	9	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	42	......	......	......	......	......	......	......	6.84	+3.61	2.80	0	10	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	20	......	......	......	......	......	......	......	5.59	+2.19	1.78	0	12	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	28	46.6	−5.3	72	19†	25	9†	45	8.21	+4.59	4.18	T.	13	5	10	16	sw.	J. J. Shanahan, E. M.
Thomas	Tucker	1,112	0	......	......	......	......	......	......	......	7.77	......	2.25	0	11	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	6	53.2	......	76	20	33	9†	41	5.80	......	2.66	0	10	18	4	9	w.	J. C. Campbell
Vandalia	Lewis	1,120	6	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Creed H. McCue
Wellsburg	Brooke	668	22	51.4	−2.7	74	20†	26	18	44	5.52	+2.66	2.45	0	11	14	6	11	w.	George P. Pfister
West Milford	Harrison	979	4	......	......	......	......	......	......	......	5.56	......	......	0	9	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	34	54.1	−1.3	78	20	30	18	41	6.02	+2.91	2.00	0	10	2	19	10	......	Weston State Hospital
Wheeling	Ohio	645	42	52.2	−3.4	84	19	24	19	60	5.64	+3.05	2.32	T.	14	12	3	16	se.	Miss M. B. Forsyth
Woodlands	Marshall	637	2	......	......	......	......	......	......	......	6.49	......	2.12	0	13	7	8	16	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	3	......	......	......	......	......	......	......	6.05	......	3.50	T.	10	17	4	10	w.	H. S. Sutton
Bancroft	Putnam	574	25	51.5	−2.9	80	12†	32	26	45	4.63	+1.44	1.38	0	10	16	0	15	ne.	R. E. Dent
Bluefield[d]	Mercer	2,558	34	50.2	−5.8	76	21	31	18	41	7.05	+4.17	3.90	0	8	10	8	9	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	14	......	......	......	......	......	......	......	6.07	+3.13	2.10	0	10	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	26	56.9	−2.4	84	12†	34	18†	48	5.31	+2.40	1.72	0	10	12	0	19	......	R. O. Fields
Clay	Clay	706	13	......	......	......	......	......	......	......	6.37	+3.00	1.82	0	12	......	......	......	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	3	......	......	......	......	......	......	......	4.68	......	1.10	0	10	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	13	......	......	......	......	......	......	......	5.38	+1.91	1.26	0	12	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	13	......	......	......	......	......	......	......	5.51	+1.92	1.24	0	11	......	......	......	......	Lockmaster
Dam 25 O. R. ††	Mason	565	2	......	......	......	......	......	......	......	4.50	......	1.48	0	12	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	13	......	......	......	......	......	......	......	4.12	......	1.30	0	12	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	13	53.0	......	79	19†	28	27	47	3.92	+0.25	2.00	0	10	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	32	[a]54.0	−0.6	78[a]	19†	32[a]	25	44[b]	6.85	+4.29	3.78	0	9	15	4	12	......	Mrs M. L. McClung
Huntington	Cabell	538	32	57.7	0	83	17	33	18	47	5.26	+2.88	1.57	0	12	10	7	14	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	10	......	......	......	......	......	......	......	6.88	......	2.40	0	11	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	13	......	......	......	......	......	......	......	10.23	+6.78	4.12	0	13	......	......	......	......	Cabin Creek Con. Coal Co
Kermit	Mingo	579	3	......	......	......	......	......	......	......	5.55	......	2.50	0	7	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2.250	29	51.2	−2.4	75	20	27	9	41	6.54	+3.69	3.68	0	8	17	5	9	s.	Geo. T. Argabrite
Logan	Logan	760	26	......	......	......	......	......	......	......	5.14	+2.39	1.53	0	8	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	30	45.8	−4.0	68	20†	22	18†	42	6.37	+3.26	2.50	T.	11	9	13	9	sw.	S. L. Brown
Organ Cave	Greenbrier	......	3	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. J. Hedrick
Point Pleasant	Mason	595	36	55.9	−1.7	80	12†	30	18	38	4.87	+2.28	1.40	0	11	10	7	14	w.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	6	55.1	......	79	16	30	18	42	4.65	......	0.94	0	12	14	0	17	ne.	Lockmaster
Robertsburg	Putnam	570	29	54.2	−3.2	80	19†	31	18	47	4.29	+1.51	1.15	0	11	15	0	16	......	M. Frazier
Ryan	Roane	709	26	51.8	−3.0	80	20	25	18	49	5.68	+2.23	2.60	0	12	13	8	10	......	Wm. E. Ryan
Sharples	Logan	......	9	......	......	......	......	......	......	......	5.04	......	1.98	0	7	......	......	......	......	R. W. Howard
Spencer	Roane	789	25	[a]53.2	−2.0	78[a]	20	30	18	44[a]	5.50	+2.29	1.23	0	11	12	6	13	......	A. M. McKown
Summersville	Nicholas	1,894	5	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. H. Rohrabaugh
Sutton	Braxton	850	23	54.0	−4.5	81	20†	28	26	48	6.65	+3.56	3.90	0	13	18	0	13	......	C. B. Eakle
Union[d]	Monroe	2,250	25	51.6	−2.5	78	21	28	9†	43	7.70	+4.86	3.66	0	8	13	1	13	......	W. M. H. Young
Wayne	Wayne	598	2	......	......	......	......	......	......	......	6.41	......	1.82	0	11	......	......	......	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	19	[a]48.8	0	78[a]	18	22	25	49[a]	5.20	+2.38	1.90	0	7	22	0	9	......	H. E. Green
Williamson	Mingo	673	29	[a]57.6	−0.9	89[a]	16	37	18	43[a]	5.12	+2.36	1.45	0	10	15	0	16	ne.	Mrs. T. W. Lowe
State averages and	extremes	......		52.6	−2.4	89	16	21	18	60	6.17	+3.21	5.01	0.1	11	13	6	12	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for October, 1929

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard|||	Potomac	.12	1.11	3.51	.61	.04									.19			.30					.32	1.51	.23	T				.38	T.	1.66	9.41
Brandywine	do	*	5.50			.10																	2.90							.15	T		5.75
Harpers Ferry |||	do	.40	3.24	1.82	.17											T.		.10					3.10	1.70							T	.16	10.93
Martinsburg|||	do	.35	3.35	1.05	.05											.08						1.50	2.35								.20	.25	9.18
Moorefield	do	.33	3.28	*	.02													.08					.80								.30	.16	4.91
Perry	do	1.85	2.32	.21	.04												.22						2.22							.20	.11	.07	7.24
Piedmont	do	.60	2.25	.24	.18										.03		.32						1.30		T.					.04	.16	.10	5.22
Romney|||	do		3.65	1.55	.10													.23					.70								.15	.15	6.53
Stony River Dam	do	.24	2.00	1.95	.35									.12				.43					1.98	1.29	.12					.32	.60	.15	9.55
Upper Tract	do	T.	.70	3.60																			1.60				T.	T.	.20		.25		6.35
Wardensville|||	do	1.75	2.95	.80	.17																			3.13						.05	.10	.10	9.05
Northern Division																																	
Aberdeen	Monongahela	.08	3.92	.62	.31		T.							.16				.29				T.	.47	T.	T.	.15				.25	.16	.05	6.46
Alma (near)	Ohio		2.38	.18	.23									.18			.02					.20	.95	.01	.05	.05				.11	.16	.04	4.56
Benson	Monongahela	.05	2.20	.51	.17													.50				.02	1.08	.05	.01	.01				.05	.38	.17	5.20
Bens Run	do		2.30	.20										.29			.07					.48	1.46		.19	.03				.19	.45	.05	5.71
Brownsville	do	.08	2.70	.40	.33									.20				.39					.90	.02	.03	.20				.20	.19	.15	5.79
Bruceton Mills	do	T.	3.50	5.01		.30								T.		T.	1.46					T.		T.	T.					T	T.	.20	10.47
Buckhannon	do	.12	3.60	.36	.45									.21			T.	.20				T.	.50		.05	.27						.15	5.91
Clarksburg |||	do		1.30	1.85	.22	.02								.10				.01					.26	.28	.02	.06				.24	.06	.16	4.58
Cortland |||	do																																
Crawford|||	Little Kanawha	.14	3.60	.34	.08									.19				.30					.61			.17				.24	.28	.05	6.00
Creston |||	Monongahela		1.34	1.58										.11									1.46	.25		.14				.26	.37	.21	5.75
Dam 10, Mon. R.|||	Ohio		1.18	2.46	.46									.06				.55					.06	.70						.18	.06	.04	5.75
Dam 12, O. R.|||	do		.62	2.08	.40							T.					.05	T.					.64	.78	.08	.06				.12	.09	.22	5.14
Dam 13, O. R |||	Monongahela	.05	.75	2.05	.38								.05				.02						.46	.58	.02	.08				.10	.08	.37	4.99
Dam 15, Mon. R.|||	do		1.22	2.10	.48	.04								.17			.04	.06					.08	.53	.02	.06				.22	.04	.06	5.12
Davis	do	.25	2.70	2.29	.50	.01								.09		.04	T.	.72					.91	.72		.10				.56	.08	.23	9.20
Elizabeth (D'm 3 L K.	Little Kanawha		1.60	.70	.13									.03									1.40	.67		.12				.24	.37	.21	5.50
Elkins ***	Monongahela	.58	4.17	.50	.25			T						.11			.25					T.	.53		.13	.09			T.	.31	.26	.07	7.28
Fairmont|||	do	.42	1.24	1.86	.45	.01			T.					.10				T.					.09	.62	T.	.05	T.			.21	.11	.05	5.21
Glenville |||	Little Kanawha		1.25	1.51	.16													.28					1.62	.23	.08	.12				.18	.20	.32	5.95
Grafton|||	Monongahela	*	4.65														.33						.61		.14				.24		.20		6.17
Horner	do		3.85	.50									.45				.50								.40	.35							6.05
Horton	do	.21	3.74	.20	.72									.04				.11					4.26		T.					.36	.22	.07	9.93
Janelew (near)	do	.15	3.20	.38																			.90		.10	.10					.10		4.93
Lost Creek	do	.11	3.08	.22	.10									.06			T.	.11				.03	.68	T	T.	.04				.22	.10	.05	4.80
Mannington	do	.02	2.40	.70	.45			T.						.11			.02					.12	.66	.05	.05	.09				.24	.09	.01	5.01
Morgantown	do																																
New Cumberland|||	Ohio	.02	.50	1.91	.22							.12	.05	.21		.02							.45	.45	.10	.26	T.			.03	.07	.25	4.69
New Martinsville	do		2.65	.30	.35									.12			.20					.25	1.20		.15					.15	.30	.05	5.72
Parkersburg ***	do	.28	1.39	.09							T.		.08	.02			T.					.74	.66	.04	.14	.01			.05	.30	.54		4.34
Parsons	Monongahela																																
Parsons No. 2	do	.13	2.18	.47	.30									.09			T.	.39					1.58	.04	.04	.19				.16		.32	5.89
Philippi	do																																
Philippi No. 2	do	.02	1.99	1.70	.40									.15									.22	.97		.15				.08	.10	.15	5.93
Pickens	do	.50	4.33	.50	.41												T.	.55				T.	1.72		.51	.33				.11	.20	T	9.16
Roanoke	do	.08	3.19	.04										.20				.05				T.	.92	T.	.10	.11				.35	.27	.12	5.43
Rowlesburg |||	do		1.41	2.80	.65	T.												.24					.04	1.31		.04				.10	.20	.05	6.84
Saint Marys |||	Ohio		.94	1.78	.20									.12				.10					1.47	.11	.06	.12				.20	.11	.38	5.59
Terra Alta	Monongahela	.14	4.18	1.45	.55			T.						.10			.46	.09				T.	.70	.05	.09	.10				.10	.20	T.	8.21
Thomas|||	do	.34	2.25	1.83	.61									.12				.70					.61	.68						.32	.09	.22	7.77
Valley Chapel	do		2.66	.60	.27									.02				.12					1.54			.15				.22	.12	.10	5.80
Vandalia	do																																
Wellsburg	Ohio		2.45	.73	.37			T.				.04										.45	.93	.03	.13				.12		.23	.04	5.52
West Milford	Monongahela	*	3.50	.50	.25													.13				.70			.05		.08			.35			5.56
Weston	do		1.50	2.00	.30													.30					.60	.40		.40				.10	.20	.22	6.02
Wheeling|||	Ohio	T.	.62	2.32	.55	.03			T.				.01	.04			.02	T.					.54	.82	.18	.07	T.			.12	.10	.22	5.64
Woodlands |||	do	.03	1.10	2.12	.40									.18			.03						.88	1.10	.03	.16				.12	.09	.25	6.49
Southern Division																																	
Arbovale	Great Kanawha	.27	3.50	.20	.18													.09				.09	1.10		T.	T.				.20	.24	.18	6.05
Bancroft |||	do		1.38	.73	.26									.15				.04					.80	.40		.10					.22	.55	4.63
Bluefield	do	.44	3.90	.05																		.56	1.36							.56	.15	.03	7.05
Camden-on-Gauley|||	do	.92	.44	2.10	.20									.33			.66						.20	.55						.23		.44	6.07
Charleston |||	do		1.72	1.04	.34									.14				.14					.58	.38						.34	.18	.48	5.34
Clay |||	do	.17	1.51	1.82	.37	T.								.13			.23						1.05	.13		.10				.26	.20	.40	6.37
Dam 6 G K. |||	do		1.06	1.10	.27									.10									.70	.37		.03				.30	.18	.57	4.68
Dam 19 O. R. |||	Ohio	T.	1.25	.85	.11									.11				.03				T.	1.26	.50	.08	.11				.30	.10	.68	5.38
Dam 20 O. R. |||	do		1.20	.80	.08									.10									1.24	.70	.12	.08				.39	.24	.56	5.51
Dam 25 O. R. |||	do		1.48	.38	.15									.10				.12	T.				1.11	.21	.04	.05				.25	.25	.36	4.50
Dam 26 O. R. |||	do		1.05	.55	.10									.12				.02					1.30	.20	.02	.03				.12	.40	.21	4.12
ary|||	Big Sandy	.01	2.00	.36	.01		.06																.66	.08						.25	.11	.38	3.92
inton |||	do	.02	3.78	.54	.18		.02											.06					1.21			T.	T.			.51		.50	6.85
untington |||	Ohio	.20	1.30	.42	.04									.07				.05				1.57	.57	.05	T.					.27	.67	.05	5.26
anawha Falls|||	Great Kanawha	.42	2.40	2.10	.22	.12								.20				.08					.60						T.	.24	.06	.44	6.88
ayford|||	do	.10	4.12	3.00	.45				T.					.23				.13					.86	.32		.03	.03			.25	.08	.63	10.23
ermit |||	Big Sandy		1.10	.50																			2.50	.15						.10	.62	.58	5.55
ewisburg	Great Kanawha	.18	3.68		.19																	.08	1.41							.41	.48	.11	6.54
ogan |||	Guyandotte	.10	1.53	.87																			1.10	.45						.22	.25	.62	5.14
arlinton	Great Kanawha	.52	2.50	.08	.22													.12				.06	1.82	.14		T.				.38	.47	.06	6.37
rgan Cave	do																																
oint Pleasant |||	Ohio		1.40	.46	.23													.18					1.31	.27	.09	.06				.24	.35	.28	4.87
avenswood (Dam 22	Ohio		.90	.90	.20									.11				.10				T.	.94	.50	.06	.04				.20	.40	.30	4.65
obertsburg |||	Great Kanawha		1.15	.71	.08									.12									1.07	.24	.03	.02				.12	.45	.30	4.29
an	do	.28	2.60	.05	.20									.40				.39				.54		.05	.02					.48	.53	.14	5.68
arples|||	Coal River		1.98	1.05	.28									T.									.96	.30						.25	.22		5.04
encer |||	Great Kanawha		1.00	1.06	.24									.18				.40					1.23	.32	T.	.07				.25	.39	.36	5.50
mmersville	Gauley																																
tton	do	.10	3.90	.10	.25												.30					.10	.85	.10	.10	.20				.35	.20	.10	6.65
ion	do	.05	3.66		.12																	.19	2.98							.27	.38	.05	7.70
yne |||	Big Sandy		1.82	.62	.08									.10							.03	1.60	.40		.02					.33	.82	.59	6.41
ite Sulpr. Spgs |||	Great Kanawha	1.90	.45																			1.90	.20						.30	.15	.30		5.20
lliamson |||	Big Sandy	.05	1.22	.62			.02							.05								1.45	.26							.25	.50	.70	5.12

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for October, 1929

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	58	47	54	52	63	68	64	67	61	70	64	75	67	63	63	65	60	59	75	76	73	69	67	55	39	59	66	63	48	53	72	62.4
	Minimum	45	43	39	36	28	32	29	33	18	37	35	24	44	40	26	30	37	32	26	28	43	57	41	33	32	35	46	24	32	36	43	35.3
Brandywine	Maximum	75	65	60	64	72	80	75	65	62	66	68	70	74	72	75	76	72	70	76	78	72	65	66	55	60	72	75	72	60	52	65	68.7
	Minimum	50	45	42	44	37	40	40	32	27	34	32	35	36	37	29	34	28	27	28	34	47	55	42	35	42	40	31	29	40	42	49	37.5
Martinsburg §	Maximum	54	53	66	60	63	72	79	61	63	60	65	72	75	76	63	78	60	64	71	78	72	62	54	54	73	78	49	50	45	45	..	63.9
	Minimum	50	49	46	46	34	37	40	40	31	36	31	35	42	55	42	34	38	32	30	34	38	42	40	42	44	44	39	37	38	40	40	39.5
Moorfield	Maximum	72	54	65	69	65	78	77	70	66	66	78	85	80	71	67	76	73	67	77	82	80	74	..	72	51	73	77	72	58	54	61	70.3
	Minimum	50	48	45	46	34	37	49	36	31	36	34	58	54	39	36	32	38	31	29	34	49	62	..	40	39	37	40	31	38	36	45	40.5
Piedmont	Maximum	58	52	56	51	60	73	72	56	62	55	62	68	66	61	59	72	57	60	73	76	74	69	61	46	46	65	69	58	48	45	55	60.8
	Minimum	48	49	44	43	32	37	46	35	31	37	35	35	45	41	38	34	43	32	34	37	42	56	46	39	39	41	47	33	34	37	44	39.8
Romney §	Maximum	60	74	59	82	59	69	78	76	74	71	76	67	78	73	70	65	79	75	66	78	82	78	74	65	58	54	68	75	65	56	49	69.5
	Minimum	53	39	36	34	32	39	46	32	30	37	32	38	45	42	45	33	45	33	39	34	52	55	46	32	30	33	44	32	35	35	32	38.4
Upper Tract	Maximum	50	50	51	56	57	78	78	66	68	59	61	71	75	74	73	66	60	66	72	65	77	70	65	48	49	43	68	71	56	55	..	63.3
	Minimum	47	47	45	45	44	33	34	33	29	34	36	34	33	34	34	33	31	32	33	30	30	58	38	37	37	37	41	30	30	36	..	36.5
Wardensville	Maximum	50	50	47	58	60	60	59	60	50	41	45	47	58	59	58	60	43	60	65	67	68	52	56	50	55	58	60	60	45	47	..	54.9
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Northern Division																																	
Bens Run	Maximum	63	57	65	60	66	73	70	61	64	66	70	74	70	63	64	73	64	74	77	76	69	70	53	47	63	65	70	61	59	59	75	65.8
	Minimum	50	49	45	45	41	44	55	38	37	41	49	45	50	44	38	39	32	35	39	38	51	53	45	36	39	38	47	35	45	50	57	43.5
Buckhannon	Maximum	68	52	58	55	62	68	68	58	60	64	64	70	66	61	56	68	61	56	70	71	68	69	56	53	46	62	68	63	62	61	71	62.4
	Minimum	52	48	45	44	38	41	57	44	33	40	42	44	46	41	33	35	36	29	34	38	52	54	44	38	36	37	38	33	42	50	44	41.5
Cairo	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Clarksburg §	Maximum	59	52	62	57	68	72	68	59	64	69	72	76	68	65	62	71	57	65	77	79	70	70	58	41	50	66	55	55	58	66	79	64.2
	Minimum	52	49	44	44	36	40	42	35	32	32	43	40	44	40	35	31	33	26	31	34	42	42	45	38	37	38	37	30	39	41	51	38.9
Creston	Maximum	61	55	65	60	68	71	65	64	70	72	77	70	72	66	64	76	71	67	78	80	66	65	54	50	55	69	74	65	57	60	78	66.6
	Minimum	52	50	40	45	39	55	35	34	39	41	40	39	53	40	33	35	35	29	31	35	47	51	47	38	40	30	34	33	46	48	52	40.8
Elkins	Maximum	55	49	55	51	61	69	66	55	58	65	68	75	65	58	54	68	52	57	76	75	66	70	58	43	41	62	68	59	50	61	71	60.7
	Minimum	49	41	42	34	32	39	45	33	30	34	35	39	42	38	35	31	33	28	29	33	60	45	42	33	33	37	46	30	43	48	44	38.2
Fairmont §	Maximum	57	51	63	58	70	74	67	60	64	71	73	77	70	65	62	77	57	65	79	80	72	70	60	40	52	68	73	62	55	65	79	65.7
	Minimum	52	49	43	42	38	43	51	34	33	36	46	45	51	43	37	37	37	30	33	36	39	54	45	39	37	37	45	35	36	43	51	41.2
Glenville	Maximum	65	56	65	62	72	81	77	70	67	74	76	77	78	78	66	77	73	70	81	88	82	70	64	60	54	70	75	74	60	66	79	71.2
	Minimum	54	46	42	45	36	42	41	36	33	38	38	39	38	46	34	33	33	27	29	34	45	51	44	37	36	28	31	29	45	45	52	38.7
Grafton	Maximum	60	49	44	65	61	60	62	53	70	75	75	70	61	62	70	59	64	73	78	67	69	60	39	52	63	69	55	52	75	77	..	63.1
	Minimum	51	42	40	34	39	51	34	32	34	40	48	38	32	31	30	34	24	29	34	36	52	44	38	35	33	34	27	41	45	52	53	38.3
Lost Creek	Maximum	60	51	63	59	67	70	73	65	64	69	73	78	69	64	63	72	64	67	77	79	69	68	60	50	50	67	72	61	57	66	80	66.0
	Minimum	50	46	42	43	35	37	41	32	30	36	40	39	51	39	32	32	32	25	29	34	46	52	44	36	35	37	45	28	45	46	55	39.2
Mannington	Maximum	59	52	61	55	63	69	66	64	60	64	66	72	70	63	59	71	70	61	73	75	70	68	56	50	50	65	70	63	54	64	76	63.8
	Minimum	52	48	43	43	36	39	50	32	31	38	45	40	49	40	33	33	32	26	30	33	46	54	45	36	37	32	36	29	42	47	57	39.8
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Cumberland §	Maximum	57	52	64	52	67	71	69	57	60	63	60	70	61	62	64	70	55	61	76	76	74	67	49	43	55	66	65	53	48	59	..	61.5
	Minimum	48	48	46	41	40	36	41	36	35	37	41	42	44	39	35	35	38	28	31	35	41	55	42	35	33	40	42	33	33	37	42	39.0
New Martinsville	Maximum	58	57	65	60	70	74	72	65	65	70	74	78	70	65	66	75	67	68	80	80	69	67	55	50	54	68	71	63	62	59	78	65.9
	Minimum	56	49	44	44	39	42	55	40	35	43	49	44	51	43	38	38	38	30	32	38	51	54	44	36	38	35	41	34	45	49	56	42.9
Parkersburg	Maximum	58	52	64	59	69	72	69	61	63	67	70	75	68	62	64	75	58	67	76	77	68	64	50	43	54	68	70	55	58	58	74	64.1
	Minimum	50	49	45	45	44	46	51	40	39	46	51	51	49	42	38	42	40	33	38	45	58	46	42	37	41	42	50	39	46	51	58	45.0
Parsons	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Pickens	Maximum	53	48	52	53	61	65	66	60	58	66	68	66	66	61	54	65	65	59	74	72	64	65	57	42	35	59	66	60	50	60	71	60.0
	Minimum	43	36	35	30	27	35	35	35	25	32	31	42	38	33	32	27	25	21	28	37	52	36	36	27	28	25	36	25	39	41	49	33.6
Terra Alta	Maximum	54	46	54	49	60	65	62	56	55	51	63	71	63	57	53	65	55	57	72	71	64	67	54	50	41	59	65	56	46	54	72	58.3
	Minimum	44	42	38	34	30	31	38	30	25	31	37	35	48	35	28	31	32	30	27	31	46	49	39	30	30	32	46	25	30	35	47	35.0
Wellsburg	Maximum	58	56	62	56	64	71	69	63	60	62	64	73	69	62	60	72	70	64	73	74	71	67	58	48	65	66	55	50	58	55	74	63.6
	Minimum	48	48	42	41	33	33	48	32	31	35	45	41	49	38	35	34	33	26	29	32	50	53	43	35	38	38	27	39	42	44	51	39.2
Weston	Maximum	60	62	62	65	65	72	70	66	65	66	69	75	74	65	60	70	60	62	75	78	70	68	68	49	48	65	70	65	60	65	75	65.9
	Minimum	55	58	49	45	38	40	58	36	34	40	42	41	53	40	34	35	36	30	31	37	50	50	45	35	37	36	42	34	45	46	55	42.3
Wheeling §	Maximum	57	50	69	60	71	76	76	52	69	70	72	70	71	75	75	72	63	70	84	79	74	70	52	43	59	72	72	60	52	60	75	66.9
	Minimum	47	45	41	48	35	36	40	35	30	33	45	41	32	30	43	43	32	26	21	29	43	50	40	32	32	37	39	28	35	42	45	37.4
Southern Division																																	
Bluefield	Maximum	69	52	52	51	54	..	63	63	55	55	61	73	..	60	59	66	66	62	74	..	76	60	53	53	39	63	..	63	56	56	63	60.0
	Minimum	51	45	40	42	43	..	46	41	33	43	42	43	..	43	33	36	45	31	33	..	35	45	38	35	32	35	..	39	43	42	55	40.3
Charleston §	Maximum	60	56	68	70	68	82	80	72	72	72	72	84	82	76	72	80	72	74	82	84	65	60	66	48	54	76	80	66	56	55	80	70.6
	Minimum	56	52	44	44	44	46	54	42	40	40	46	46	46	44	38	38	41	34	34	36	48	52	45	42	40	34	34	35	38	50	50	43.2
Gary §	Maximum	59	52	58	60	58	74	71	62	63	67	70	78	71	67	63	72	63	68	79	79	67	60	60	51	41	65	72	70	56	61	75	65.0
	Minimum	56	50	41	44	45	49	54	44	35	37	40	37	39	44	35	34	41	30	32	34	52	56	37	38	39	29	28	37	38	49	50	41.1
Hinton §	Maximum	..	54	61	64	62	77	71	64	65	59	69	71	75	70	63	75	62	69	78	78	65	69	65	49	45	69	75	66	52	54	71	65.6
	Minimum	58	..	46	43	43	46	52	43	37	38	39	38	40	46	38	38	41	33	34	55	53	58	40	41	36	32	33	34	40	46	47	42.3
Huntington	Maximum	62	62	66	65	70	79	75	70	70	69	77	79	73	70	76	78	83	80	80	80	69	69	60	49	55	71	75	61	68	61	80	70.4
	Minimum	53	50	44	48	45	49	60	39	37	48	45	41	57	42	37	44	44	33	34	43	57	49	45	39	41	36	44	37	48	52	53	45.0
Lewisburg	Maximum	69	53	57	57	58	69	65	63	59	61	62	70	71	65	60	71	69	66	73	75	66	68	58	52	44	64	71	67	59	50	67	63.2
	Minimum	51	46	42	46	36	43	53	35	27	38	34	35	46	37	29	33	42	28	33	34	57	49	39	38	35	28	36	33	42	42	47	39.2
Marlinton	Maximum	58	50	52	50	54	66	64	56	56	51	58	64	66	60	56	64	58	58	60	68	58	68	52	48	38	58	68	60	50	46	60	57.4
	Minimum	46	42	40	34	30	42	48	30	24	32	30	38	42	36	38	26	32	22	24	26	44	48	34	32	26	22	26	26	38	42	42	34.3
Point Pleasant	Maximum	73	61	65	64	68	75	76	69	70	75	70	80	75	68	65	78	75	65	75	80	75	63	54	48	56	70	74	68	60	60	75	68.8
	Minimum	50	48	42	44	43	45	55	46	36	44	42	45	42	37	48	40	40	30	40	42	55	48	43	36	37	35	41	33	44	48	53	43.0
Ravenswood	Maximum	60	55	56	64	70	77	70	70	70	70	72	74	73	65	65	79	75	65	75	78	75	64	54	50	53	67	72	70	57	58	71	65.9
	Minimum	50	50	51	43	41	44	57	36	35	36	43	60	54	39	35	39	37	30	33	40	55	53	44	37	40	37	40	32	46	49	56	43.3
Robertsburg §	Maximum	65	52	64	69	70	78	71	65	67	70	73	75	72	68	65	72	62	69	80	78	63	60	52	43	55	68	70	58	57	75	80	66.3
	Minimum	55	50	48	48	43	45	50	38	36	42	42	46	48	40	31	38	39	31	33	37	47	55	45	37	38	33	38	33	45	49	41	42.1
Ryan	Maximum	58	51	62	60	65	72	66	63	65	70	73	77	76	70	62	78	68	65	77	80	65	60	60	44	46	66	75	60	55	60	75	65.3
	Minimum	51	48	35	45	36	39	50	30	30	40	39	39	50	34	27	45	32	25	28	36	46	49	44	34	36	26	30	26	45	46	50	35.4
Spencer §	Maximum	58	51	67	60	66	75	72	52	64	71	71	71	71	65	63	75	60	65	77	78	66	64	58	40	52	68	72	58	56	61	..	64.2
	Minimum	52	50	43	45	41	43	53	36	35	49	44	45	45	40	32	40	37	30	33	40	45	52	45	38	38	37	48	32	48	50	52	42.2
Sutton	Maximum	67	62	60	59	70	70	69	60	70	74	74	73	66	65	72	72	63	79	79	81	81	68	61	61	48	68	74	74	58	60	74	68.1
	Minimum	54	49	41	46	38	39	38	35	40	38	39	50	41	35	35	36	29	32	31	37	48	50	45	39	37	28	32	33	47	44	46	39.8
Union	Maximum	75	63	59	61	61	..	74	68	62	65	62	73	..	75	69	71	71	69	75	..	78	65	58	59	42	63	..	70	62	50	65	65.4
	Minimum	52	46	43	39	35	..	43	36	28	38	35	35	..	38	29	29	41	28	32	..	35	51	40	38	35	28	..	33	42	43	47	37.9
White Sulphur Spgs §	Maximum	51	58	56	58	70	68	62	56	56	59	71	69	66	65	69	60	64	78	74	62	67	58	48	48	64	68	66	45	58	67	..	62.1
	Minimum	48	44	44	36	40	48	35	28	30	34	31	35	36	28	28	35	27	29	32	38	44	40	35	35	22	24	30	31	42	44	51	35.6
Williamson §	Maximum	57	53	66	67	76	77	70	69	68	67	74	79	82	75	69	89	71	72	81	80	61	56	65	48	50	75	77	66	57	62	..	65.6
	Minimum	55	51	46	47	50	53	62	47	42	45	47	49	42	45	41	46	47	37	38	41	55	54	48	46	43	40	41	42	45	52	52	47.1

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.087	.034	.317	.105	.108	.057	.059	.078	.099	.101	.089	.078	.126	.123	.094	.069	.129	.132	.090	.100	.068	.025	.081	.151	.025	.046	.133	.145	.030	.047	.083	2.909
	Wind movement	107	117	152	105	46	17	41	50	33	51	32	17	45	49	42	28	114	58	36	28	22	64	131	90	195	80	83	88	100	47	12	2,083

(WBO, Cleveland, 10-27-29—900)

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

NHE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVII Parkersburg, W. Va., November, 1929 No. 11

GENERAL SUMMARY

The temperature for November averaged nearly normal but the precipitation was decidedly above the normal. While the temperature was near normal, as an average, the month opened with the temperature about 20° above the normal and the temperature at the close of the month was by far the lowest of November State record. The lowest temperature at Parkersburg on the 30th, 4°, was 11.6° below the previous November record. The reading at Elkins on the 30th was 3° below zero, or 8° lower than the previous November record. The average precipitation, 4.52 inches, was exceeded in only two years of November State Record. Excessive rain on the 17-18th caused high stages in the rivers. While a flood stage was not reported in the State, the crest stage at Point Pleasant was 39.6 feet, or only four-tenths of a foot below the flood-line. The conditions were somewhat unfavorable for winter grains, owing to excessive rains and to low temperature at the close of the month, when there was lack of sufficient snow-cover.

TEMPERATURE

The monthly mean for the State, determined from 47 stations, was 42.9°. The departure from the normal for 38 stations having ten or more years of record was −0.1°. The month opened warm, with the highest temperature of the month on the 1st. The weather was also warm from the 11th to the 18th, with the highest temperature for that period on the 14th. Cool weather prevailed from the 4th to the 10th and from the 20th to the 26th. Exceptionally low temperature for November prevailed on the 29-30th.

PRECIPITATION

The average precipitation for the State, determined from 83 stations, was 4.52 inches. The departure from the normal for 55 stations having ten or more years of record was +1.71 inches. The precipitation was heaviest over the mountain counties and lightest over the eastern counties. Nearly all the precipitation was recorded on the 2-3d, 11th, 14-15th, 17-18th, 22-23d, and 27-29th, the greatest amounts being measured on the 3d, 15th, and 17-18th. Light to moderate snow fell in most regions on the 21-23d and 28-30th, the greatest amounts being measured on the 28-29th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bancroft, 4th and 16th; Bayard, 14th, 15th, and 18th; Bens Run, 6th; Bluefield, 9th; Clay, 5th, 6th, and 9th; Elkins, 9th, 10th, 12th, and 16th; Fairmont, 16th; Glenville, 4th and 16th; Grafton, 14th and 16th; Hinton, 14th; Huntington, 2d and 12th; Mannington, 16th; Marlinton, 9th and 13th; New Cumberland, 13th; Parkersburg, 14th and 16th; Philippi, 8th; Pickens, 3d; Terra Alta, 3d and 16th; Wellsburg, 12th; Wheeling, 7th, 8th, 9th, 12th, 13th, and 23d.

MISCELLANEOUS PHENOMENA (Continued)

Halos, lunar: Huntington, 11th; Parkersburg, 11th and 15th; Ryan, 25th.

Sleet: Martinsburg, 28th; New Cumberland, 20th; Stony River Dam, 28th.

Thunderstorm: Lewisburg, 1st.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind (Three-cup Anemometer)				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity Miles per hour	Direction	Date
Cincinnati, Ohio	30.13	85	69	76	117.2	39	4,975	6.9	31	sw.	27
Columbus, Ohio	30.11	86	69	78	109.7	37	6,124	8.5	37	nw.	27
Elkins	30.13	86	72	79	77.1	26	3,738	5.2	31	w.	28
Lexington, Ky	30.14	90	75	....	80.0	26	7,729	10.7	56	nw.	27
Parkersburg	30.14	83	67	74	80.3	27	3,740	5.2	28	sw.	27
Pittsburgh, Pa	30.10	82	65	83	109.9	37	6,273	8.7	34	w.	28
Wytheville, Va	30.11	83	69	77	87.0	28	3,878	5.4	30	w.	28

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 01 inch or more	Clear	Partly Cloudy	Cloudy
1891	42.5	80	8	3.04	......	......	......	8	......	......	......
1892	41.7	81	3	3.10	......	......	......	......	......	......	......
1893	41.4	74	3	2.12	3.22	0.47	......	8	13	6	11
1894	39.8	82	5	2.11	3.47	0.25	......	8	12	6	12
1895	44.6	87	12	2.35	4.00	0.20	......	9	12	8	10
1896	48.1	80	10	3.50	5.07	1.56	......	8	10	8	12
1897	45.0	76	13	4.45	7.15	0.30	......	13	9	9	12
1898	41.4	75	−3	2.84	4.74	1.00		10	9	11	10
1899	45.6	76	14	1.93	3.49	0.20	T.	8	11	9	10
1900	45.5	86	9	5.20	8.88	2.71	2.8	10	8	8	14
1901	38.0	79	7	2.51	5.35	1.23	4.3	7	8	6	16
1902	50.3	83	12	3.27	4.56	1.23	0.7	7	11	6	13
1903	38.0	80	4	2.46	4.98	0.67	4.6	9	11	8	11
1904	41.2	75	9	0.64	3.05	0.07	1.4	4	12	7	11
1905	41.8	74	10	2.44	5.67	0.67	T	9	13	7	10
1906	44.2	84	13	2.39	5.50	0.35	2.2	6	15	5	10
1907	41.8	74	13	3.40	7.05	1.41	1.0	9	10	8	12
1908	43.3	81	0	1.14	2.73	0.48	5.2	5	15	8	7
1909	49.1	84	12	1.34	3.85	0.23	0.2	7	14	7	9
1910	37.3	75	5	1.95	4.41	0.66	1.8	9	8	7	15
1911	40.5	83	7	2.74	5.54	1.27	2.0	8	10	7	13
1912	42.8	78	2	1.69	4.08	0.40	0.9	6	14	7	9
1913	44.5	82	−1	4.49	7.50	0.61	13.4	10	12	5	13
1914	42.6	84	2	1.32	2.27	0.50	2.9	5	16	6	8
1915	45.2	85	11	3.06	5.99	1.15	1.1	9	13	8	9
1916	43.8	81	8	1.77	3.07	0.75	0.3	6	16	5	9
1917	39.6	78	0	0.89	3.65	0.05	1.5	10	16	4	10
1918	42.9	79	12	1.89	4.60	0.64	0.2	6	13	5	12
1919	44.4	80	10	4.51	7.53	0.85	0.3	10	12	6	12
1920	41.6	80	5	3.21	5.69	1.47	4.1	10	9	4	17
1921	46.1	85	11	5.99	8.81	2.52	0.8	13	7	6	17
1922	43.8	80	2	1.15	2.49	0.17	1.3	6	12	4	14
1923	42.3	73	10	3.49	5.35	1.70	0.7	11	13	3	14
1924	42.9	87	9	2.05	4.11	0.45	4.1	9	10	6	14
1925	40.6	78	6	3.66	6.62	0.65	0.9	9	11	5	14
1926	40.7	82	4	3.59	6.67	1.59	0.6	9	10	5	15
1927	48.1	82	7	4.35	7.61	0.91	1.6	12	7	7	16
1928	44.0	81	9	3.31	9.41	0.65	2.9	12	6	6	18
1929	42.9	83	−9	4.52	8.10	1.74	3.6	13	7	5	18
1891-1929	43.1	87	−9	2.82	9.41	0.05	2.2	8	12	6	12

Climatological Data for November, 1929

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	28	39.8	+1.6	78	1	− 6	30	38	7.81	+4.97	1.46	10.0	19	6^{b}	6^{b}	16^{b}	w.	U. G Clark
Brandywine	Pendleton	1,586	13	43.5	+1.5	77	2	1	30	36	3.90	+2.11	......	3.0	7	11	0	19	s.	Elmer Keister
Harpers Ferry	Jefferson	244	40	......	......	......	......	......	......	......	2.60	+0.33	1.06	0.5	10	......	......	......	......	J. C. Newcomer
Martinsburg	Berkeley	435	37	^{a}44.8	+2.1	80^{a}	1†	9	30	41^{a}	3.68	+1.42	1.80	0.8	12	14	10	6	w.	Dr. H. S. Gardner
Moorefield ^{a}	Hardy	900	33	45.3	+1.6	80	1	4	30	38	2.60	+0.96	1.25	......	5	20	4	5	......	M. S. Henkel
Perry	Hardy	......	1	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	R. J. Leibold
Piedmont	Mineral	1,053	16	41.2	+1.4	74	1	2	30	28	2.55	+0.55	0 79	1.2	12	4	6	20	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	31	^{b}43.6	+0.9	81^{b}	1	3^{a}	30	48^{c}	1.74	−0.22	1.32	......	4	9	8	13	......	George E. Bergdoll
Stony River Dam	Grant	3,300	9	......	......	......	......	......	......	......	4.44	......	1.20	13.0	15	1	9	20	w.	A. C. Becker
Upper Tract	Pendleton	1,230	30	^{c}42.8	−0.8	76^{c}	2	0^{c}	30	41^{c}	2.34	+0.81	1.60	3.0	4	10^{h}	0^{h}	12^{h}	......	J. M. Mallow
Wardensville	Hardy	1,200	12	^{f}46.0	......	76^{f}	4	1^{e}	30	47^{g}	3.20	......	1.70	0.2	6	8^{h}	12^{b}	2^{h}	......	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	5	......	......	......	......	......	......	......	4.83	......	1.08	2.5	16	4	9	17	w.	L. Else Bond
Alma (near)	Tyler	......	2	......	......	......	......	......	......	......	3.97	......	1.65	1.5	17	5	5	20	......	D. N. Furbee
Alpena	......	......	...	38.6	......	71	1	− 5	30	44	4.46	......	0 90	8.0	13	4	10	16	w.	......
Benson	Harrison	1,080	5	43.3	......	76	1	− 2	30	40	5.08	......	1.85	1.2	15	8	13	9	......	John A. Clark
Bens Run	Pleasants	652	27	43.2	−0.1	76	1	3	30	30	5.10	+2.25	1.44	1.0	13	9	6	15	......	J. D. Riggs
Brownsville	Lewis	1,032	6	45.6	......	80	1	− 1	30	41	6.39	......	1.42	1.0	15	10	8	12	......	George M. Myers
Bruceton Mills	Preston	1,549	12	......	......	......	......	......	......	......	4.42	+1.77	1.00	7.0	13	4	9	17	nw.	Mrs Ola Wolf
Buckhannon	Upshur	1,411	32	43.4	+2.0	78	1	0	30	38	4 74	+1.28	1.30	4.0	13	8	2	20	......	H. A. Darnall
Clarksburg	Harrison	1,015	7	41.3	......	78	1	1	30	42	4.88	......	1.94	2.5	17	6	6	18	w.	Clarksburg Water Board
Cortland	Tucker	3,300	18	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	G. W. Harmon
Crawford	Lewis	1,107	6	......	......	......	......	......	......	......	4.52	......	0.97	3.0	17	4	8	18	nw.	George W. Blair
Creston	Wirt	640	27	44.0	+0.3	78	1	1	30	38	4.50	+2.00	1.24	2.0	10	9	0	21	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	8	......	......	......	......	......	......	......	4.13	......	1.10	T.	11	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	13	......	......	......	......	......	......	......	4.11	+1.27	1.40	......	9	......	......	......	......	Lockmaster
Dam 13 O R.	Ohio	655	13	......	......	......	......	......	......	......	3.64	+0.92	1.15	......	11	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	8	......	......	......	......	......	......	......	3 68	......	1.08	3.0	13	......	......	......	......	Lockmaster
Davis	Tucker	3,093	20	......	......	......	......	......	......	......	5.39	+2.18	1.37	14.1	13	3	5	22	w.	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	17	......	......	......	......	......	......	......	4.71	+2.24	1.04	......	11	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	28	40.8	+0.5	75	1	− 3	30	41	4.55	+1.77	1.51	8.0	17	4	3	23	w.	U. S. Weather Bureau
Fairmont	Marion	883	23	42.0	−0.4	82	1	1	30	49	3.59	+0.72	1.10	8.5	13	5	4	21	w.	J. C. Robinson
Glenville	Gilmer	738	35	44.6	+1.0	82	1	0	30	39	5.18	+2.20	1.72	5.5	13	5	5	20	w.	Howard R. Brannon
Grafton	Taylor	1,000	36	^{a}40.0	−2.4	68^{a}	13	− 3	30	44	2.39	−0.70	1.22	1.2	7	9	9	12	w.	Curtis Boice
Horner	Lewis	1,044	6	......	......	......	......	......	......	......	8.10	......	3.00	......	13	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	4	......	......	......	......	......	......	......	3.98	......	1.10	11.5	15	5	1	24	w.	J. W. White
Janelew (near)	Lewis	1,020	6	41.2	......	79	1	0	30	46	5.39	......	1.15	2.8	12	8	4	18	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	31	42.2	0	80	1	− 1	30	43	4.78	+2.28	1.24	2.8	15	5	4	21	w.	Allen Smith
Mannington	Marion	985	26	41.8	+0.5	78	1	1	30	38	4.30	+1.80	1.01	2.0	18	5	4	21	w.	Jas. A. Morgan
Morgantown ††	Monongalia	1,250	36	42.4	−1.0	78	1	− 1	30	33	3.18	+0.30	0.90	......	9	5	1	24	sw.	Prof. E L. Andrews
New Cumberland	Hancock	671	31	^{a}40.0	−1.3	77^{a}	1	0	30	35^{a}	4.38	+2.26	1 99	4.0	15	8	2	20	n.	C. H. Hesse
New Martinsville	Wetzel	634	35	43.4	−1.1	77	1	2	30	32	4.65	+2.01	1.05	T.	11	7	5	18	s.	Wm. Ankrom
Parkersburg	Wood	638	42	43.2	−0.6	76	1	4	30	29	4.16	+1.59	1.56	0.2	16	5	3	22	sw.	U. S. Weather Bureau
Parsons ††	Tucker	1,649	29	41.6	+0.7	75	1	− 1	30	39	6.74	+4.20	......	8.0	......	4	5	21	......	J. W. Swisher
Parsons No. 2	Tucker	......	3	......	......	......	......	......	......	......	5.62	+2.37	1.12	5.0	16	6	5	19	......	Robert T. Deem
Philippi	Barbour	1,550	32	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Prof W. W. Thomson
Philippi No. 2	Barbour	......	......	......	......	......	......	......	......	......	4.82	+2.03	1.45	0.2	16	......	......	......	......	H. F. Brittingham
Pickens	Randolph	2,697	26	37.6	−5.0	73	1	− 9	30	46	6.73	+2.88	1.01	18.0	16	4	6	20	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	6	......	......	......	......	......	......	......	4.94	......	1.45	3.6	16	7	6	17	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	42	......	......	......	......	......	......	......	5.08	+2.00	1.48	5.0	16	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	20	......	......	......	......	......	......	......	4.51	+2.03	1.13	T.	14	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	28	38.6	−2.9	77	1	− 7	30	39	4.43	+1.35	1.00	9.5	15	3	2	25	sw.	J. J. Shanahan, E. M.
Thomas	Tucker	1,112	0	......	......	......	......	......	......	......	5.99	......	1.74	......	13	......	......	......		H. L. Stiles
Valley Chapel	Lewis	1,011	6	45.0	......	76	1†	0	30	38	4.43	......	1.44	1.5	12	9	6	15	w.	J. C. Campbell
Vandalia ††	Lewis	1,120	6	......	......	......	......	......	......	......	3.45	......	0.90	1.5	9	......	......	......	......	Creed H. McCue
Wellsburg	Brooke	668	22	40.2	−1.1	75	1	2	30	35	4.03	+1.62	0.91	T.	11	12	4	14	w.	George P. Pfister
West Milford	Harrison	979	4	......	......	......	......	......	......	......	5.14	......	1.44	......	10	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	34	45.3	+2.0	78	1	0	30	40	4.84	+1.61	1.50	1.5	11	0	4	26	......	Weston State Hospital
Wheeling	Ohio	645	42	39.0	−3.1	77	1	− 2	30	46	4.35	+1.84	1.35	2.4	12	8	10	12	sw.	Miss M. B Forsyth
Woodlands	Marshall	637	2	......	......	......	......	......	......	......	3.66	......	1.00	T.	11	4	14	12	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	3	......	......	......	......	......	......	......	4.38	......	1.97	5.5	16	7	8	15	w.	H. S Sutton
Bancroft	Putnam	574	25	43.6	−0.9	80	1	2	30	34	4.42	+2.02	1.18	1.2	13	11	0	19	ne.	R. E Dent
Bluefield ^{e}	Mercer	2 558	34	42.6	−1.8	72	2†	− 5	30	31	4.31	+2.03	......	6.0	14	5	6	14	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	14	......	......	......	......	......	......	......	4.83	+1.13	2.00	T.	5	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	26	46.1	−2.1	80	1	6	30	46	5.14	+2.02	1.44	2.0	11	6	0	24	......	R. O. Fields
Clay	Clay	706	13	......	......	......	......	......	......	......	4.10	+1.01	1.13	3.6	15	......	......	......	......	Chilton Wilson
Dam 6 G. K	Kanawha	598	3	......	......	......	......	......	......	......	4.61	......	1.65	......	10	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	13	......	......	......	......	......	......	......	4.25	+0.89	1.25	0.1	12	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	13	......	......	......	......	......	......	......	4.91	+1.85	1.30	T.	13	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	2	......	......	......	......	......	......	......	4.35	......	1.08	......	11	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	13	......	......	......	......	......	......	......	4.23	......	1.35	......	12	......	......	......	......	U. S. Engineer Office
Gary	McDowell	1,426	13	45.2	......	79	1	2	30	39	4.05	+1.11	1.00	4.0	15	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	32	^{a}43.3	−0.7	80^{a}	1	1^{a}	30	44^{i}	4.29	+2.09	1.60	3.8	12	8	13	9	......	Mrs M. L. McClung
Huntington	Cabell	538	32	47.4	+3.8	80	1	4	30	38	3 60	+0.81	1.31	2.5	14	4	5	21	w.	H. N. Robinson
Kanawha Falls	Fayette	618	10	......	......	......	......	......	......	......	4.33	......	1.70	......	11	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	13	......	......	......	......	......	......	......	5.19	+2.16	1.64	10.1	17	......	......	......	......	Cabin Creek Con. Coal Co
Kermit	Mingo	579	3	......	......	......	......	......	......	......	4.57	......	1.20	......	7	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	29	43.0	+1.5	75	1	− 1	30	35	4.71	+2.25	1.50	4.0	12	5	7	18	nw.	Geo. T. Argabrite
Logan	Logan	700	26	......	......	......	......	......	......	......	4.74	+1.87	1.57	3.5	9	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	30	38.0	+0.4	70	2	− 4	30	32	5.96	+3.03	2.24	6.5	18	3	14	13	n.	S. L. Brown
Organ Cave	Greenbrier	......	3	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. J. Hedrick
Point Pleasant	Mason	595	36	45.2	+0.2	78	1	2	30	36	4.87	+2.07	1.23	0.6	18	6	4	20	w.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	6	44.2	......	76	1†	4	30	36	4.67	......	1.15	T.	11	6	0	24	nw.	Lockmaster
Robertsburg	Putnam	570	29	42.6	−0.6	80	1	4	30	47	4.14	+1.77	1.10	1.0	10	7	0	23	......	M. Frazier
Ryan	Roane	700	26	41.8	−1.1	77	1	0	30	50	4.24	+1.76	1.10	1.9	16	7	5	18	......	Wm. E. Ryan
Sharples	Logan	......	9	......	......	......	......	......	......	......	4.65	......	1.65	5.0	11	......	......	......	......	R. W. Howard
Spencer	Roane	789	25	43.8	+0.4	78	1	3	30	38	4.42	+1.94	1.20	3.5	13	3	7	20	......	A. M. McKown
Summersville	Nicholas	1,894	5	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	J. H. Rohrabaugh
Sutton	Braxton	850	23	45.2	+1.4	79	1†	3	30	43	4.95	+0.99	1.20	5.0	15	14	0	16	......	C. B. Eakle
Union ^{d}††	Monroe	2,250	25	43.2	+2.2	77	2	− 1	30	41	6.62	+4.63	3.10	1.0	13	4	4	18	......	W. M. H. Young
Wayne	Wayne	598	2	......	......	......	......	......	......	......	4.73	......	0.96	3.0	15	......	......	......	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	19	^{a}40.2	−2.7	75^{a}	1	− 1	30	43^{a}	3.90	+1.49	1.90	......	9	14	0	16	......	H. E. Green
Williamson	Mingo	673	29	^{a}48.6	+3.4	83^{a}	2	8	30	35^{a}	5.91	+3.32	1.40	3.5	15	5	1	24	ne.	Mrs. T. W. Lowe
State averages and	extremes	......	...	42.9	−0.1	83	2	− 9	30	50	4.52	+1.71	3.10	3.6	13	7	5	18	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record. but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for November, 1929

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard|||	Potomac	.67	.03	1.08	.63	.11									1.03	.56	.08	T.	1.46	.71		.12	.09	T.	.36	.09	.04	.16	.32	.08	.19		7.81
Brandywine	...do			1.05					T.			.20		T.	T.			*	2.25					.20					.20				3.90
Harpers Ferry |||	...do	.01		1.06	.11				T.			.06		.07		.06		.18	.95					.03	.07			T.					2.60
Martinsburg|||	...do		.15	.75	.25							.20			.05	.05		.18	1.80			.08		.10	.02				.05	T.	T.		3.68
Moorefield	...do			.67										.32				.30	1.25				T.	.06									2.60
Perry	...do																																....
Piedmont	...do		.21	.35	.01									.18	.10	.15		.56	.79		.04		.02						.12	.02			2.55
Romney ||	...do											.10				.10		.22	1.32														1.74
Stony River Dam	...do			.82	.36	.06						.12			.14	.28		.29	1.20	.05		.04		.20				.08	.24	.08	.48		4.14
Upper Tract	...do			.50															1.60	T.	T.		T.	.08	.16								2.34
Wardensville |||	...do			.45	.85							.14				.04			1.70			*	*	*	*	*	.02						3.20
Northern Division																																	
Aberdeen	Monongahela		.35	1.08	.01							.14		.10	.12	52	.88	.83		.09	.04	T.	.11	T.			.05	.06	.38	.07			4.83
Alma (near)	Ohio		.38	.32								.12		.28	.43	.42	.01	1.05	.51	.01	.12	.01	.02				.02	.18	.08	.01			3.97
Alpena	Monongahela		.26	.80	.40				T.			.30		.15	.16	.28		.37	.90	T.	T.	T.	.16	T.			T.	.20	.16	.32			4.46
Benson	...do		.21	1.85					T.			.07		.11	.10	.51		.90	.82	.09	.05	T.	.05				.09	.03	.15	.05			5.08
Bens Run	...do		.35	.20								.16		.34	.68	.85		1.44	.49		.21		T.				.02	.15	.15		.06		5.10
Brownsville	...do	.30		1.42								.22		.18	.23	.56		.95	.96		.02	T.	.08	T.	.95		.05	.04	.07	.36			6.39
Bruceton Mills	...do		.30	.60	T.						.22			.15	.34	T		.70	1.00	T.	.08	.16	.04				T.	.55	.16	.12			4.42
Buckhannon	...do		.36	1.30								.12		.14	.45	.48	.05	.45	.83		.08		.16				T.	.16	T.	.16			4.74
Clarksburg |||	...do	.02	.01	1.94	.05							.13			.20	.42	.01	.43	1.14	.03		.10		.08				.06	.22	.03	.01		4.88
Cortland |||	...do																																......
Crawford|||	Little Kanawha		.57	.78							.01	.13		.13	.11	.55	.06	.70	.97		.03		.12			.09	.10	.06	.03	.08			4.52
Creston |||	Monongahela		.06	1.24								.14			.28	.76		.41	1.11			T.		.10					.27	.10			4.50
Dam 10, Mon. R.|||	Ohio			.70	.06							.15			.32	.44	.06	.46	1.10		.18	.20							.46	T	T.		4.13
Dam 12, O. R.|||	...do	T.	.04	.56								.16			.25	1.05		.22	1.10		.04			T.					.39	T.			4.11
Dam 13, O. R.|||	Monongahela		.03	.50								.06			.15	1.00		.22	1.15	.04	.05	.04							.40				3.64
Dam 15, Mon. R.|||	...do			.74	.09							.14			.30	24		.40	1.08	.06	.11	.08		.06				.12	.16	T.	.06		3.68
Davis |||	...do		T.	1.37	.28	T.				T.				.17	.26	.55		.31	1.32		T.		.02	.12				.08	.34	.45	.12		5.39
Elizabeth (D'm 3 L K	Little Kanawha			1.04			.10					.18			.40	.80		.83	.90		.11			.10					.10	.15			4.71
Elkins ***	Monongahela		.29	.86	T.	T.			T.		.18	.05		.15	.23	.24	.01	1.14	.48	.02	.02	T.	.13				.04	.37	.26	.08			4.55
Fairmont |||	...do	T.		.81	.06	T.						.09			.31	.35		.50	1.10	.02	.07	.08		.08				.04	T.	T.	.08		3.59
Glenville |||	Little Kanawha		.04	1.72								.12			.33	.55		.28	1.28		T.	.06		.28				.08	.21	.14	.09		5.18
Grafton|||	Monongahela											.09			.13	.36		.49	1.22		T.		T.	.04					.06				2.39
Horner	...do		.40	3.00									.20		.65			1.35	.40	.30			.25		.80	.20	.15		.25		.15		8.10
Horton	...do		.29	.59					.05			.28		.10	.08	.10		.23	1.10		T.	.04	.14	T.			.05	.11	.37	.45			3.98
Janelew (near)	...do		.20	1.15										.15	.25	.25		.95	.90				.10	.04				.10	.05	.15			5.39
Lost Creek	...do		.30	1.24	T.							.06		.10	.05	.46		.94	.80	.05	.04	T.	.11	T.			.09	.07	.42	.05	T.		4.78
Mannington	...do		.36	41	.01							.09		.18	.36	.32		1.01	.80	.02	.17	.02	.04	T.			.04	.15	.24	.05	.03		4.30
Morgantown	...do		.30	.30	T.							.10		.23		.25		.90	.65	T.	.20		T.				T.	T.	.25	T.			3.18
New Cumberland|||	Ohio	.06	.37	.38	.02	.03						.15			.41	.44		.45	1.54	.07	.10	.02					.04	T.	.30				4.38
New Martinsville	...do		.25	.20								.20		.25	1.00	.50		1.05	.60		.15	T.	T.	T.				.15	.30	T.			4.65
Parkersburg ***	...do		.35	.26	T.						.07			.34	1.14	.04	.04	1.40	.25	.02	.12		.01				.01	.07	.03	.01			4.16
Parsons	Monongahela		.55	.60	T.				T.			*	*	*	*	*	*	4.50	.25	T.			.08				T.	.20	.16	.40			6.74
Parsons No. 2	...do		.31	1.12	.04							.12		.15	.16	.56		.80	.90	.05	.04	T.	.10	T.			.03	.10	.57	.11	T.		5.16
Philippi	...do																																......
Philippi No. 2	...do		.03	1.05	.12							.15		.15	.18	.60		.42	1.45	.03		.03		.02				.10	.45	.02	.02		4.82
Pickens	...do		.72	.70		T.			T.		T.	.25		.28	.12	.33	.09	1.01	.92	T.	.08	.08	.24				.45	.42	.24	.80			6.73
Roanoke	...do		.28	1.45								.13		.04	.30	.38		.95	.91		.01	T	.09	.01			.08	.20	.06	.04	.01		4.94
Rowlesburg |||	...do			1.05	.19							.21		.03	.22	.54	.12	.37	1.48	.14		.05		.08				.09	.35	.10	.06		5.08
Saint Marys |||	Ohio	T.	.10	.57	.02							.08			.34	1.13	.02	.83	.98	.02	.14	.02		.01					.25	T.	T.		4.51
Terra Alta	Monongahela		.25	1.00	T.	T.						.26		.07	.32	.65		.38	.02	.02	.24	.02	.08	T.	T.		T.	.14	.26	.12			4.43
Thomas|||	...do			.25	.32							.15			.27	.65	.36	T.	1.74	.40	T.	.02	T.	.17			.20			.40	.08		5.99
Valley Chapel	...do		.12	1.44								.12			.10	.37		.95	.80	.02			.04				.06	.02	.31	.08			4.43
Vandalia	...do										.10			.41		.51	.37	.90	.50					.12						.20	.34		3.45
Wellsburg	Ohio		.30	.18							T.			.52	.62	.08		.91	.90	.21	.03							.16	.12				4.03
West Milford	Monongahela		.49	1.44								.15			.25		.45		.84	.80	.17			.10					.45				5.14
Weston	...do			1.40	.20							.22			.26	.50		.30	1.50					.05				.10	.21	.10			4.84
Wheeling |||	Ohio	02	.02	.57		T						.16			.27	1.15		.22	1.35	T.	.09	.05		T.				T	.44	T.	.01		4.35
Woodlands |||	...do		.02	.30								.17			.21	1.00		.31	1.00	.08	.12	.10						T.	.35	T.	T.		3.66
Southern Division																																	
rbovale	Great Kanawha		.41	.72							.04	.29	.01	.10	.06	.04		1.50	.47			.04	.24	.04				.30	.04	.08			4.38
ancroft |||	...do		.14	.82								.09		.71		.27		.64	1.18	.10	.05		.02	.06					.32	.02			4.42
uefield	...do			*	1.62				.05			.14	.15		.05	.35	.11	*	1.26				.24				.04	.06		.24			4.31
amden-on-Gauley |||	...do	1.20									.84					.41	.35	2.00	T.		T.	T.	T.							T.	T.		4.83
harleston |||	...do			1.44								.16			.42	.18		1.02	1.38				T.	.16				.04	.20	.06	.08		5.14
lay |||	...do			.60	.15							.12			.27	.24	.10	.60	1.13	.12			T.	.16		.03	.05	.10	.08	.15	T.		4.10
am 6 G. K. |||	...do			1.30	.05										.60	.15		.60	1.65	.10			T	T.				.05	.09	.02			4.61
am 19 O. R. |||	Ohio	T.	.08	.44	.02							.05			.40	1.23		.50	1.25	.06	.10	T.		T.				T.	.10	T.	.01		4.25
am 20 O. R. |||	...do		.10	.64	T.							.16			.41	1.30		.76	1.26	.04	.08	.03		.02				.02	.12	T.	T.		4.94
am 25 O. R. |||	...do		.19	.51	T.							.07			.45	1.08		.86	.90	.02	.07		T.					.01	.19	T.			4.35
am 26 O. R. |||	...do		.10	1.35	.12							.03			.45	.55		.45	.95		.04	.02		.05					.12	T.			4.23
ary |||	Big Sandy			1.09	.16				.10			.12		.02	.29	.29	.02	.45	.72	.02				.32	.34				.10	.10	T.		4.05
inton |||	...do			1.02	.09				.11			.16		T.	.16	.25		.44	1.60	T.		T.	T.	.35				.03	.07	.01			4.29
untington |||	Ohio	T.	.54	.33								.10		.32	.22	.27		1.31	.31	.01	.01		.12	T.			T.	.05	.07	.03			3.60
anawha Falls |||	Great Kanawha			1.10	.12							.14			.20	.18		.40	1.70	.05				.23				.06	.15				4.33
ayford |||	...do			1.64	.08				.02			.16		.02	.18	.21	.10	.40	1.54	.05		.01		.46		T.		.03	.05	.19	.05		5.19
ermit |||	Big Sandy			1.20												.52		1.20	.80					.60						.10	.05		4.57
ewisburg	Great Kanawha		.46	.95					.06			.15		.13	.09	.12	.16	.59	1.50				.32					.38		T			4.71
ogan |||	Guyandotte		T.	1.57	.03										.35	.14	T.	.73	1.53					.15						.15	.09		4.74
arlinton	Great Kanawha		.65	.75					.12		T.	.25	.14	.16	.14	.10	.11	.82	1.42			T.	.25	.10	.16	T.	.16	.24	.26	.10			5.96
oint Pleasant |||	Ohio	.03	.22	.72	.03							.09		.04	.25	1.25		.78	.97	.07	.08	T.	T.	.11	.02			.05	.12	.05	.01		4.87
avenswood (Dam 22	Ohio		.05	.80	T.							.21			.40	.87		.78	1.15	.08	.05	.08							.20	T.	T.		4.67
obertsburg |||	Great Kanawha		.04	.94								.03			.62	.51		.72	1.10		.02		T.	.06				T.	.10	T.			4.14
ran	...do		.38	.60	.02						T.		.12	.54	.09	.29	.08	1.10	.60	.02	T.		.14				.02	.04	.15	.05			4.24
arples |||	Coal River			1.65	.10						.10				.30	.20	.10	.55	1.20	.10	T.		.15							.20			4.65
encer |||	Great Kanawha		T.	1.20	.06							.04		T.	.50	.30		.85	.72	.04	T.	T.	T.	.20	.08			.05	.22	.16			4.42
mmersville	Gauley																																......
tton	...do		.35	.85								.10		.15	.20	.40	.30	.75	1.20			T.	.16	.08			.10	.15	.08	.08			4.95
ion	...do				.75				.13			.06	T.	.10	.06	.20	.18		1.75				.02	3.10		.04	.19			.04			6.62
yne |||	Big Sandy		.15	.82					.05			.05		.47	.61	.28		.96	.90	.05			.07	.11				.05	.03	.07	T.		4.73
ite Sulpr. Spgs |||	Great Kanawha		.75	.25				.10			.20			.15	.20		.30	1.90										.05					3.90
lliamson |||	Big Sandy			1.00	.92							.12		.02	.50	.35	.02	1.10	1.40			T.	.01	.15				.07	.20	.10	.05		5.91

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ┼┼┼ Probably incomplete

Daily Temperatures for November, 1929

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	78	72	59	51	44	51	49	56	47	51	60	64	61	66	66	59	56	54	44	37	30	24	28	34	32	46	46	42	42	32	..	49.4
	Minimum	53	59	51	40	30	20	19	25	24	15	27	45	37	54	42	30	51	38	33	30	22	12	12	23	20	27	23	32	14	-6	..	30.1
Brandywine	Maximum	72	77	75	65	58	60	58	50	50	54	64	60	62	65	65	60	55	50	50	42	38	40	37	40	40	48	52	47	32	28	..	53.1
	Minimum	54	56	55	46	40	24	28	42	28	19	40	34	46	50	42	26	46	45	37	35	25	20	18	20	25	30	35	30	20	1	..	33.9
Martinsburg§	Maximum	80	80	63	63	53	62	60	52	52	56	68	58	56	65	66	60	52	60	50	50	42	33	31	43	45	60	58	41	30	..	..	54.8
	Minimum	45	50	60	50	40	26	28	32	37	25	27	38	38	50	51	35	35	42	40	39	30	24	24	24	30	31	31	31	21	9	..	34.8
Moorfield	Maximum	80	75	68	62	55	63	59	58	53	55	74	68	68	64	68	60	58	55	52	52	44	37	32	..	43	47	61	55	45	22	..	53.6
	Minimum	49	62	58	45	35	25	29	42	28	21	38	36	43	40	55	29	26	45	42	37	28	20	24	..	28	28	27	32	20	4	..	34.3
Piedmont	Maximum	74	65	60	55	46	55	53	48	50	50	64	64	56	53	58	54	50	48	43	41	35	28	27	39	39	51	46	40	26	15	..	47.8
	Minimum	50	52	55	42	36	36	32	38	31	25	40	36	43	47	45	34	45	43	40	35	27	23	24	27	30	26	40	26	12	2	..	34.7
Romney §	Maximum	81	72	60	60	51	64	57	50	54	60	73	58	70	64	67	60	59	57	59	46	40	35	50	44	44	59	60	..	13	..	..	56.0
	Minimum	36	42	46	36	38	24	27	32	29	24	25	34	36	37	44	32	34	34	32	38	28	27	24	24	29	25	28	34	..	3	..	31.1
Upper Tract	Maximum	75	76	75	74	75	..	..	60	56	50	..	70	65	67	67	67	63	50	49	46	44	32	34	37	55	55	52	48	25	15	..	54.9
	Minimum	36	37	38	34	34	..	..	48	34	20	..	42	35	41	42	51	39	43	42	39	26	17	17	18	24	26	23	16	14	0	..	30.6
Wardensville	Maximum	70	74	75	76	55	65	68	69	60	63	68	70	67	70	71	65	70	70	55	..	..	..	..	..	55	59	55	45	40	..	..	61.0
	Minimum	45	41	38	40	32	19	23	30	18	16	26	30	30	45	50	49	35	23	20	15	..	..	..	..	..	14	30	31	2	1	..	28.1
Northern Division																																	
Alpena	Maximum	71	64	59	58	44	52	52	49	47	60	62	63	63	64	63	60	57	54	42	35	31	24	29	34	34	41	42	37	24	10	..	47.8
	Minimum	56	57	50	36	29	21	25	38	24	16	39	32	39	35	44	24	48	38	32	30	21	11	15	22	22	29	36	22	8	-5	..	29.8
Bens Run	Maximum	76	73	58	56	49	57	52	57	52	56	68	68	66	66	65	63	55	56	49	43	39	31	32	38	41	54	48	43	25	16	..	51.7
	Minimum	62	50	48	41	33	29	31	34	29	27	48	39	36	54	47	33	47	36	40	34	27	25	21	26	28	34	41	25	13	3	..	34.8
Buckhannon	Maximum	78	71	63	54	45	52	54	53	51	61	64	67	66	69	67	57	60	57	46	40	36	27	36	36	37	46	46	42	30	13	..	50.8
	Minimum	58	63	53	44	35	26	31	43	29	23	41	40	41	59	50	32	53	44	39	35	25	22	19	32	23	31	42	29	13	0	..	36.0
Clarksburg §	Maximum	78	69	57	51	49	56	52	55	51	59	67	70	69	70	56	56	60	47	47	38	32	27	34	40	45	48	48	32	21	14	..	49.9
	Minimum	56	60	50	41	30	24	30	26	25	20	25	36	41	50	55	31	32	46	38	37	28	20	15	24	28	28	39	30	17	1	..	32.7
Creston	Maximum	78	70	55	54	52	60	57	56	56	59	70	73	64	72	66	56	61	58	50	43	40	31	35	42	41	47	47	45	31	18	..	52.9
	Minimum	58	53	50	43	32	24	31	44	27	21	40	40	51	57	45	31	48	47	39	38	29	21	15	27	24	35	43	29	14	1	..	35.2
Elkins	Maximum	75	70	62	49	45	54	55	49	47	60	65	67	63	68	66	60	59	57	41	39	32	26	33	36	38	46	45	39	21	10	..	49.2
	Minimum	63	58	48	36	28	24	28	38	27	19	40	36	45	58	35	29	52	40	36	32	19	18	19	30	27	29	26	21	2	-3	..	32.3
Fairmont§	Maximum	82	68	55	50	55	60	55	56	55	63	73	70	70	68	55	57	58	49	43	37	31	27	35	42	43	49	45	32	21	13	..	50.6
	Minimum	60	61	50	43	33	28	32	35	29	24	24	38	37	49	55	30	31	46	39	35	29	22	18	23	27	27	33	31	12	1	..	33.4
Glenville	Maximum	82	75	58	58	54	61	58	56	57	60	72	72	65	76	70	57	61	60	48	48	39	35	36	43	42	52	51	46	33	18	..	54.9
	Minimum	56	54	48	42	27	23	28	41	26	21	43	38	46	56	49	30	51	44	38	35	27	21	14	30	24	28	42	28	15	0	..	34.3
Grafton	Maximum	66	53	51	54	56	56	55	53	63	67	67	67	68	55	60	64	51	42	37	32	35	35	38	44	50	46	34	17	14	..	..	49.3
	Minimum	61	48	37	29	19	27	34	23	19	42	36	43	55	51	28	30	44	38	35	27	15	19	23	26	24	41	29	16	0	-3	..	30.7
Lost Creek	Maximum	80	71	58	50	50	57	51	55	52	60	69	70	64	70	69	57	60	56	45	40	37	32	32	40	39	45	45	42	25	11	..	51.3
	Minimum	55	58	50	10	29	21	27	40	22	17	50	35	45	55	46	26	50	44	35	34	26	18	10	30	26	27	41	25	14	-1	..	33.2
Mannington	Maximum	78	73	56	55	49	55	52	55	49	57	66	67	67	67	65	56	58	57	46	41	36	29	35	38	39	47	45	41	26	14	..	50.6
	Minimum	55	54	49	37	30	23	29	31	23	19	48	33	41	55	45	28	48	45	40	33	28	20	14	27	26	25	41	25	13	1	..	32.9
Morgantown	Maximum	78	70	54	53	47	55	51	54	49	61	66	69	70	67	67	56	58	58	44	40	35	27	34	37	38	46	46	40	24	13	..	50.2
	Minimum	63	46	47	41	31	30	32	39	28	28	50	39	51	57	45	30	43	43	36	32	26	20	20	29	27	33	39	22	9	-1	..	34.5
New Cumberland§	Maximum	77	53	60	51	50	50	50	51	52	57	61	60	56	64	52	53	54	48	45	43	32	33	39	35	44	47	44	32	17	..	..	48.6
	Minimum	53	49	46	37	31	33	31	31	27	25	26	35	35	43	49	31	31	42	38	34	27	21	17	20	26	26	37	25	13	0	..	31.3
New Martinsville	Maximum	77	72	60	53	53	59	55	57	55	58	69	71	65	63	64	56	55	56	45	44	40	34	33	38	42	45	46	42	28	16	..	51.8
	Minimum	62	51	48	41	31	28	32	34	28	26	48	39	45	56	47	33	47	46	40	34	28	23	29	25	27	28	40	24	17	2	..	35.0
Parkersburg	Maximum	76	68	58	51	50	59	52	55	51	58	68	67	63	69	62	54	57	51	45	42	35	29	33	40	41	46	46	42	21	18	..	50.4
	Minimum	66	49	47	41	33	32	37	37	34	29	48	44	52	56	39	34	50	43	40	34	28	23	21	28	29	32	40	24	8	4	..	36.1
Parsons	Maximum	75	70	64	56	50	56	56	51	51	60	67	60	63	67	66	56	60	48	44	41	35	26	34	49	50	49	47	35	27	13	..	50.9
	Minimum	49	55	44	40	33	23	28	43	27	21	40	45	40	47	41	31	48	42	36	33	20	19	20	29	27	25	35	23	8	-1	..	32.4
Pickens	Maximum	73	66	60	49	46	41	53	48	50	64	63	64	61	65	62	63	58	45	43	45	30	27	34	35	35	42	42	40	44	27	..	49.3
	Minimum	55	53	44	30	24	22	25	25	23	20	39	36	43	51	24	24	21	33	27	24	12	8	10	20	15	25	32	19	-2	-9	..	25.8
Terra Alta	Maximum	77	68	58	49	43	50	57	48	47	56	61	64	63	64	63	56	58	53	38	34	29	22	27	33	34	44	39	36	27	5	..	45.8
	Minimum	54	57	47	36	29	22	27	35	24	17	41	32	42	54	41	31	49	38	32	28	21	11	16	24	22	21	35	22	5	-7	..	30.3
Wellsburg	Maximum	75	71	59	50	48	55	53	52	49	56	61	60	62	60	63	53	53	54	46	39	38	30	35	36	43	47	45	42	25	15	..	49.2
	Minimum	48	49	47	35	29	25	28	27	23	21	42	33	38	51	46	29	44	40	36	34	25	21	13	25	26	23	40	21	13	2	..	31.3
Weston	Maximum	78	75	66	55	58	57	58	56	53	62	70	68	66	72	70	58	62	60	49	40	36	38	35	38	38	45	56	45	44	17	..	54.2
	Minimum	52	62	50	45	32	30	32	42	29	22	50	40	45	59	50	32	52	42	38	31	27	22	18	30	23	30	42	40	16	0	..	36.4
Wheeling§	Maximum	77	60	61	54	55	62	51	56	54	57	70	66	60	63	54	56	.52	50	42	42	33	29	34	36	46	50	45	32	20	20	..	49.6
	Minimum	53	50	45	34	28	26	29	28	23	20	24	35	34	45	48	30	30	40	35	30	22	19	13	12	24	25	26	20	10	-2	..	25.5
Southern Division																																	
Bluefield	Maximum	66	72	..	72	46	52	54	54	53	..	59	59	64	65	65	54	..	54	43	39	36	31	30	..	37	45	47	..	47	14	..	50.3
	Minimum	59	59	..	41	29	30	31	42	32	..	28	52	52	54	49	41	..	39	36	27	22	22	23	..	26	35	39	..	13	-5	..	35.0
Charleston§	Maximum	80	66	60	58	62	70	60	60	64	60	78	68	62	71	60	58	66	56	54	48	41	34	40	48	44	54	52	42	21	29	..	55.8
	Minimum	56	56	52	44	32	30	30	34	32	30	32	48	48	54	56	36	36	44	40	36	39	20	24	28	28	30	36	34	24	6	..	36.4
Gary §	Maximum	79	70	62	50	53	61	65	54	60	66	70	65	63	73	60	60	61	52	41	43	36	33	39	42	41	50	52	43	30	35	..	53.7
	Minimum	55	52	55	47	29	25	26	33	35	27	39	50	52	54	56	45	47	44	39	29	27	23	27	32	29	29	39	30	23	2	..	36.7
Hinton §	Maximum	80	73	64	53	36	62	60	52	60	56	72	64	62	61	52	58	53	45	43	39	31	32	43	41	47	52	40	..	29	19	..	51.0
	Minimum	54	55	55	46	36	28	30	34	34	27	28	45	49	54	41	42	47	38	30	27	24	27	28	28	28	37	34	24	..	1	..	35.6
Huntington	Maximum	80	73	71	55	55	62	55	61	68	63	72	69	65	71	68	68	53	58	58	48	43	41	35	45	43	49	51	51	51	34	..	57.5
	Minimum	62	53	50	42	30	28	33	45	30	28	37	47	55	60	50	37	50	46	40	36	30	28	22	28	28	34	39	34	15	4	..	37.4
Lewisburg	Maximum	75	74	65	60	48	55	58	51	56	58	65	64	60	67	63	52	58	55	47	40	40	30	32	38	37	47	52	53	34	15	..	51.6
	Minimum	58	54	57	42	32	20	26	42	28	23	41	44	50	53	50	33	46	42	36	26	23	18	23	28	26	31	40	29	14	-1	..	34.5
Marlinton	Maximum	68	70	60	52	46	50	50	44	50	46	60	54	56	64	56	48	56	54	38	36	32	25	24	34	36	42	44	42	26	22	..	46.2
	Minimum	50	50	52	34	28	18	22	36	24	16	38	36	48	52	38	28	42	38	34	26	20	14	16	22	20	26	38	26	8	-4	..	29.9
Point Pleasant	Maximum	78	75	65	58	58	60	60	60	60	60	72	72	67	70	60	56	56	55	50	47	45	38	45	39	45	50	50	46	40	25	..	55.4
	Minimum	60	50	47	36	36	28	33	38	27	24	46	40	53	55	47	47	40	44	38	33	25	20	24	18	25	29	41	28	14	2	..	34.9
Ravenswood	Maximum	76	76	56	57	50	58	57	54	55	60	69	70	66	71	68	55	57	58	49	44	40	31	33	40	41	41	47	46	30	18	..	52.5
	Minimum	65	52	49	40	27	27	32	40	26	24	49	40	54	56	51	31	49	46	38	34	27	24	20	28	27	31	41	29	14	4	..	35.8
Robertsburg§	Maximum	80	57	54	53	53	61	50	54	58	62	72	69	64	73	55	55	58	50	46	42	39	27	34	43	47	47	47	37	25	19	..	51.0
	Minimum	51	56	48	38	28	27	28	36	26	25	25	43	44	55	52	33	35	46	40	37	26	25	20	24	27	30	37	35	22	4	..	34.1
Ryan	Maximum	77	75	55	51	46	60	60	55	60	68	70	74	58	65	63	50	60	56	44	40	36	30	34	40	40	50	48	44	27	15	..	51.7
	Minimum	56	51	47	35	24	20	26	40	22	18	39	38	46	53	45	28	47	42	36	34	21	17	17	26	21	25	41	27	11	0	..	31.9
Spencer §	Maximum	78	66	54	55	52	59	55	57	54	61	70	70	65	71	55	60	61	50	43	40	36	27	37	41	42	47	47	37	25	16	..	51.0
	Minimum	61	65	50	43	28	26	32	44	27	23	50	42	44	51	54	31	50	46	40	38	28	22	20	27	28	30	41	32	20	3	..	36.5
Sutton	Maximum	79	79	67	64	64	53	53	54	54	65	66	69	69	73	73	58	60	60	54	47	45	41	37	41	42	46	52	52	39	19	..	55.8
	Minimum	52	50	52	50	29	26	30	35	30	22	45	41	47	48	49	37	35	44	35	36	29	21	22	32	21	30	42	28	15	3	..	34.5
Union	Maximum	72	77	..	74	48	55	56	56	54	..	65	65	62	69	68	55	..	58	48	42	40	31	32	..	38	46	51	52	37	22	..	53.0
	Minimum	58	52	..	45	33	20	25	42	27	..	24	43	47	51	54	34	..	41	37	25	23	18	23	..	26	32	39	29	19	-1	..	33.3
White Sulphur Spgs§	Maximum	75	66	50	47	54	53	51	53	51	64	59	58	67	60	65	55	50	44	40	38	28	32	39	60	48	52	48	24	13	..	..	50.0
	Minimum	50	55	45	34	19	21	30	29	20	21	41	45	45	54	34	34	39	35	25	25	17	24	25	27	27	34	30	22	1	-1	..	30.3
Williamson §	Maximum	75	83	82	54	51	64	61	51	63	64	74	62	64	71	59	58	61	52	47	45	43	32	45	43	43	48	56	40	30	..	..	55.9
	Minimum	71	70	47	50	34	32	33	40	36	37	55	56	56	57	57	47	45	46	43	40	30	29	30	31	30	31	40	30	27	8	..	41.3

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day. on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.007	.121	.011	.035	.090	.040	.062	.058	.035	.016	.018	.099	.012	.067	.014	.072	.024	.153	.128	.042	...	...	...	...	...	...	...	...	...	...	...	......
	Wind movement	32	59	56	31	105	33	43	58	35	30	33	52	23	9	61	53	28	73	214	107	72	14	123	38	107	36	132	234	96	184	...	2,171

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 12-31-29—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVII Parkersburg, W. Va., December, 1929 No. 12

GENERAL SUMMARY

Comparatively speaking, December was warm and dry. While the low temperature period at the close of November continued over December 1, a low temperature after that date was not noted. The precipitation was slightly more than two-thirds of the normal and was well distributed over the State and throughout the month. The average snowfall, 12.2 inches, was much above the normal, having been exceeded in December in only two years of record, or in 1910 and 1914. The greater portion of the snowfall was received on the 22-23d. The ground was practically bare in the agricultural regions during the cold weather on the 1st. The rivers were mostly at low stages. The month was generally favorable for outdoor work.

TEMPERATURE

The monthly mean for the State, determined from 46 stations, was 36.6°. The departure from the normal for 38 stations having ten or more years of record was + 3.1°. Low temperature prevailed on the 1st and moderately low from the 2d to the 4th and the 19th to the 25th. On the 1st the morning temperature ranged generally from 8° above zero to 10° below zero. The temperature was considerably above the normal from the 5th to the 18th and on the 27-28th and 30th-31st, the highest readings occurring from the 12th to the 17th.

PRECIPITATION

The average precipitation for the State, determined from 82 stations, was 2.51 inches. The departure from the normal for 53 stations having ten or more years of record was —0.77 inch. The greater portion of the precipitation occurred on the 2d, 7-8th, 11-14th, 17-20th, 22d-24th, and 28-29th, the greatest amounts being measured on the 18th and 23d. Light snow occurred in most sections on the 2d and light snow or snow flurries on the 19th, 20th and 21st. Heavy snow, ranging generally from 6 to 10 inches, fell on the 22-23d. Snow also fell on the 24-25th and 29-30th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 12th and 28th; Bayard, 11th and 15th; Bens Run, 17th; Bluefield, 9th and 16th; Brandywine, 19th; Clay, 10th and 18th; Glenville, 18th; Hinton, 6th, 9th, 10th, 11th, and 15th; Huntington, 10th, 11th, 12th, 17th, and 26th; Marlinton, 16th; Parkersburg, 18th; Pickens, 11th and 19th; Terra Alta, 2d, 4th, 16th, 19th, and 28th; Wheeling, 15th and 22d.

MISCELLANEOUS PHENOMENA (Continued)

Sleet: Bayard, 12th and 28th; Bruceton Mills, 12th; Martinsburg, 12th; Wardensville, 13th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.10	88	78	81	95.6	33	6,013	8.1	23	sw.	30
Columbus, Ohio	30.07	84	75	83	70.9	21	6,455	8.7	30	nw.	8
Elkins	30.12	81	72	76	106.9	36	4,325	5.8	22	sw.	31
Lexington, Ky	30.14	89	79	....	101.1	34	10,057	13.5	38	nw.	18
Parkersburg	30.11	76	66	72	75.3	26	4,133	5.6	18	sw.	6
Pittsburgh, Pa	30.08	84	79	75	55.7	19	7,683	10.3	34	nw.	8
Wytheville, Va	30.14	82	72	76	142.0	47	5,915	8.0	27	w.	30

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	40.9	75	6	3.27	......	......	......	......	......	......	......
1892	34.1	72	−10	2.91	......	......	......	8	......	......	......
1893	37.1	76	7	2.05	3.73	0.56	......	9	10	8	13
1894	36.3	80	−29	4.04	6.56	1.71	......	9	11	7	13
1895	36.9	72	− 6	2.87	4.14	1.85	7.1	9	8	9	14
1896	35.3	67	2	1.68	2.88	0.57	......	6	12	9	10
1897	37.3	72	− 4	4.00	6.79	2.05	......	13	6	9	16
1898	33.4	69	−12	2.66	4.23	0.71	7.0	10	12	8	11
1899	33.3	77	−17	2.81	4.46	1.22	3.9	10	11	8	12
1900	34.6	66	3	2.26	3.45	1.32	1.0	7	11	7	13
1901	32.3	75	− 9	5.84	8.97	3.57	3.8	11	7	8	16
1902	33.9	70	− 2	5.33	9.95	2.01	9.4	14	5	7	19
1903	26.5	59	−11	2.00	4.43	0.30	7.8	8	12	8	11
1904	32.8	71	−20	3.12	5.91	1.63	9.8	10	8	7	16
1905	35.6	70	3	3.11	5.24	1.30	3.4	9	11	6	14
1906	35.9	70	− 1	4.73	11.15	1.83	6.2	14	5	6	20
1907	35.5	70	− 2	3.36	9.31	0.70	5.2	12	9	8	14
1908	36.4	73	5	3.03	7.36	1.06	6.0	10	9	8	14
1909	28.8	78	−10	2.55	6.00	1.16	10.9	10	9	8	14
1910	28.4	72	− 8	2.72	6.90	1.00	14.6	12	7	7	17
1911	39.3	74	4	3.27	5.58	1.25	1.6	12	9	5	17
1912	35.8	76	− 6	2.88	5.55	1.45	7.1	10	12	7	12
1913	36.4	68	3	2.82	3.81	1.10	2.9	8	9	8	14
1914	30.3	70	−20	5.46	8.04	2.58	12.5	16	7	4	20
1915	32.8	68	0	4.35	7.19	1.35	7.6	11	5	7	19
1916	32.8	77	−18	3.33	6.38	0.85	10.6	10	13	7	11
1917	24.3	67	−37	1.51	3.32	0.47	11.8	8	11	6	14
1918	41.0	74	0	4.41	8.14	2.70	3.2	12	8	6	17
1919	30.4	72	−15	4.07	7.35	1.17	7.8	9	10	6	15
1920	35.6	70	0	2.55	5.13	1.32	3.7	10	6	7	18
1921	37.0	79	0	4.25	7.51	1.11	7.5	11	7	7	17
1922	36.6	75	2	4.71	7.27	1.03	3.6	11	10	5	16
1923	43.1	78	0	5.82	10.96	1.00	2.4	14	11	5	15
1924	33.1	83	− 8	2.58	5.69	0.58	1.7	10	10	6	15
1925	32.5	75	− 8	1.20	3.42	0.38	2.7	7	10	6	15
1926	33.9	72	−14	5.10	10.57	1.65	2.5	15	6	4	21
1927	34.4	78	− 6	3.72	6.78	0.42	3.8	12	9	5	17
1928	35.4	70	1	2.08	5.50	0.50	0.9	7	13	5	13
1929	36.6	73	−13	2.51	5.59	0.59	12.2	12	9	5	17
1891–1929	34.5	83	−37	3.36	11.15	0.30	6.1	10	9	7	15

Climatological Data for December, 1929

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	28	34.2	+5.7	63	17	−5	1	36	4.49	+0.52	1.04	23.0	14	6	10	15	sw.	U. G. Clark
Brandywine	Pendleton	1,586	13	35.5	+1.4	64	14	2	1	45	1.05	−0.79	0.65	8.0	5	16	0	15	sw.	Elmer Keister
Harpers Ferry	Jefferson	241	40	......	......	......	......	......	......	....	2.20	−0.32	1.21	16.0	7	.....	.....	.....	......	J. C. Newcomer
Martinsburg	Berkeley	435	37	ᵃ34.6	+1.9	68ᵃ	19	7	1	37ᵃ	2.51	−0.22	0.64	12.0	9	18	9	4	w.	Dr. H. S. Gardner
Moorefield ᵇ	Hardy	900	33	37.8	+4.7	73	14	1	1	44	0.71	−1.49	0.48	8.0	3	20	2	7	......	M. S. Henkel
Perry	Hardy	......	1	......	......	......	......	......	......	....	......	......	......	......	......	.....	.....	.....	......	R. J. Leibold
Piedmont	Mineral	1,053	16	34.8	+2.0	61	15	7	1	28	1.14	−1.36	0.47	7.8	8	9	8	14	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	31	ᶜ35.1	+2.7	70ᶜ	14	3ᶜ	4	56	2.27	−0.15	0.69	7.5	7	12ᵈ	2ᵈ	13ᵈ	......	George E. Bergdoll
Stony River Dam	Grant	3,300	9	......	......	......	......	......	......	....	3.49	......	0.78	13.0	12	3	7	21	w.	A. C. Becker
Upper Tract	Pendleton	1,230	30	ᵈ36.4	+2.8	66ᵈ	14	−3ᵈ	1	40ᵈ	0.59	−1.39	0.36	5.5	3	12ᶠ	0ᶠ	13ᶠ	w.	I. M. Mallow
Wardensville	Hardy	1,200	12	......	......	69ᵇ	16	......	......	....	1.38	......	0.45	14.5	7	6ᵉ	5ᵉ	5ᵉ	......	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	5	......	......	......	......	......	......	....	2.25	......	0.62	10.5	13	6	7	18	w.	L. Else Bond
Alma (near)	Tyler	......	2	......	......	......	......	......	......	....	2.13	......	0.55	14.2	14	8	3	20	......	D. N. Furbee
Alpena	Randolph	2,571	0	34.4	......	63	13	−10	1	40	3.81	......	0.67	19.5	17	11	8	12	w.	Christian Hertig
Benson	Harrison	1,080	5	37.8	......	68	17	−4	1	40	2.23	......	0.68	10.2	14	10	13	8	......	John A. Clark
Bens Run	Pleasants	652	27	37.2	+3.8	64	13†	6	1	27	3.39	−0.37	0.72	15.0	13	7	9	15	......	J. D. Riggs
Brownsville	Lewis	1,032	6	38.0	......	68	13†	−3	1	48	2.02	......	0.56	8.0	14	7	9	15	......	George M. Myers
Bruceton Mills	Preston	1,549	12	......	......	......	......	......	......	....	5.59	+1.99	1.65	16.0	15	4	13	14	sw.	Mrs Ola Wolf
Buckhannon	Upshur	1,411	32	37.8	+4.8	67	17	−1	1	35	3.02	−0.99	1.00	15.0	9	8	11	12	......	H. A. Darnall
Clarksburg	Harrison	1,015	7	35.7	......	69	18	0	1	40	2.74	......	0.63	13.9	16	5	8	18	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	18	......	......	......	......	......	......	....	......	......	......	......	......	.....	.....	.....	......	G. W. Harmon
Crawford	Lewis	1,107	6	......	......	......	......	......	......	....	2.44	......	0.65	12.8	14	8	13	10	w.	George W. Blair
Creston	Wirt	640	27	38.2	+4.3	68	13†	2	1	38	2.61	−0.72	0.68	15.0	10	9	0	22	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	8	......	......	......	......	......	......	....	2.51	......	0.48	......	10	.....	.....	.....	......	Lockmaster
Dam 12 O. R.	Ohio	660	13	......	......	......	......	......	......	....	2.26	−0.76	0.55	......	13	.....	.....	.....	......	Lockmaster
Dam 13 O. R.	Ohio	655	13	......	......	......	......	......	......	....	2.73	−0.57	0.65	......	15	.....	.....	.....	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	8	......	......	......	......	......	......	....	1.88	......	0.46	18.0	16	.....	.....	.....	......	Lockmaster
Davis	Tucker	3,093	20	......	......	......	......	......	......	....	......	......	......	......	......	.....	.....	.....	......	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt	615	17	......	......	......	......	......	......	....	2.46	−0.85	0.63	11.0	10	.....	.....	.....	......	Lockmaster
Elkins	Randolph	1,947	28	36.5	+3.8	67	17	−8	1	43	2.41	−1.05	0.50	9.1	18	4	6	21	w.	U. S. Weather Bureau
Fairmont	Marion	888	23	36.8	+3.6	70	18	2	1	39	2.64	−0.75	0.54	13.0	15	5	5	21	w.	J. C. Robinson
Glenville	Gilmer	738	35	39.2	+4.2	71	15†	−3	1	41	2.77	−0.92	0.68	14.0	15	2	7	22	w.	Howard R. Brannon
Grafton ††	Taylor	1,000	36	ᵃ35.8	......	67ᵃ	17	2	1	37ᵃ	2.45	−1.06	0.63	11.5	11	9	10	12	w.	Curtis Boice
Horner	Lewis	1,044	6	......	......	......	......	......	......	....	2.47	......	0.50	......	14	.....	.....	.....	......	Foster R. Hardman
Horton	Randolph	2,840	4	......	......	......	......	......	......	....	2.54	......	0.59	17.8	12	10	0	21	sw.	J. W. White
Janelew (near)	Lewis	1,020	6	39.1	......	70	17	−2	1	38	1.85	......	0.72	12.0	8	13	5	13	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	31	37.6	+3.8	69	18	−3	1	35	1.90	−1.59	0.66	11.8	12	11	2	18	w.	Allen Smith
Mannington	Marion	985	26	36.8	+4.3	67	17	−2	1	36	2.71	−0.81	0.55	11.4	15	7	5	19	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	36	37.3	+3.8	67	18	2	1	35	2.89	−0.16	0.85	9.8	10	4	4	23	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	31	ᵃ32.9	+2.1	62ᵃ	17	1	1	31ᵃ	3.06	+0.35	0.66	9.2	18	2	7	22	s.	C. H. Hesse
New Martinsville	Wetzel	634	35	37.4	+2.6	64	17	−3	1	31	3.15	−0.41	0.60	10.5	11	7	3	21	s.	Wm. Ankrom
Parkersburg	Wood	638	42	37.4	+2.2	65	17	8	1	25	2.48	−0.55	0.79	13.1	18	7	3	21	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	29	37.3	+6.1	68	18†	−4	1	43	4.20	+1.01	1.41	9.0	13	6	8	17	......	J. W. Swisher
Parsons No. 2	Tucker	......	3	......	......	......	......	......	......	....	1.81	−1.38	0.32	10.0	14	12	6	13	......	Robert T. Deem
Philippi	Barbour	1,550	32	......	......	......	......	......	......	....	2.79	−1.04	0.70	7.7	15	.....	.....	.....	......	Prof W. W. Thomson
Philippi No. 2	Barbour	......	......	......	......	......	......	......	......	....	......	......	......	......	......	.....	.....	.....	......	H. F. Brittingham
Pickens	Randolph	2,697	26	32.4	+0.3	63	17	−13	1	47	4.64	−0.56	......	27.2	19	10	3	18	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	6	......	......	......	......	......	......	....	2.53	......	0.62	10.9	13	9	2	20	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	42	......	......	......	......	......	......	....	2.70	−1.17	0.69	16.5	15	.....	.....	.....	......	Walter H. Bolyard
Saint Marys	Pleasants	577	20	......	......	......	......	......	......	....	3.62	+0.12	0.78	13.5	16	.....	.....	.....	......	Wm. Hughes
Terra Alta	Preston	2,559	28	33.2	+3.2	64	17	−2	1	33	2.64	−2.52	0.85	16.0	13	3	7	21	sw.	J. J. Shanahan, E. M.
Thomas	Tucker	1,112	0	......	......	......	......	......	......	....	4.34	......	0.75	......	17	.....	.....	.....	......	H. L. Stiles
Valley Chapel	Lewis	1,011	6	39.0	......	68	17†	2	1	39	1.93	......	0.54	16.0	9	14	7	10	w.	J. C. Campbell
Vandalia	Lewis	1,120	6	......	......	......	......	......	......	....	1.52	......	0.48	8.0	7	.....	.....	.....	......	Creed H. McCue
Wellsburg	Brooke	668	22	34.6	+3.6	63	17	4	1	25	4.30	+1.28	0.90	14.5	14	7	6	18	w.	George P. Pfister
West Milford	Harrison	979	4	......	......	......	......	......	......	....	2.52	......	0.60	11.5	9	.....	.....	.....	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	31	38.6	+3.6	68	17	1	1	33	2.27	−1.43	0.40	......	11	.....	.....	.....	......	Weston State Hospital
Wheeling	Ohio	645	42	33.0	+1.1	63	17	−2	1†	38	2.78	−0.23	0.63	12.8	18	5ᵃ	4ᵃ	21ᵃ	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	2	......	......	......	......	......	......	....	3.12	......	0.94	9.0	14	2	13	16	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	3	......	......	......	......	......	......	....	1.96	......	0.40	11.0	11	13	3	15	w.	H. S. Sutton
Bancroft	Putnam	574	25	37.6	+2.7	68	13	4	1	39	2.44	−0.91	0.85	10.5	14	12	0	19	ne.	R. E. Dent
Bluefield ᶠ	Mercer	2,558	34	39.0	+3.8	63	11	0	2	38	1.91	−1.16	0.68	10.5	10	16	2	7	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	14	......	......	......	......	......	......	....	......	......	......	......	......	.....	.....	.....	......	Miss Katie Jarvis
Charleston	Kanawha	600	26	40.6	+1.1	72	12	4	1	42	1.84	−1.67	0.50	7.5	8	8	0	23	......	R O Fields
Clay	Clay	706	13	......	......	......	......	......	......	....	2.09	−1.99	0.42	15.5	16	.....	.....	.....	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	3	......	......	......	......	......	......	....	2.48	......	0.78	9.0	8	.....	.....	.....	......	Lockmaster
Dam 19 O. R.	Wood	600	13	......	......	......	......	......	......	....	1.85	−1.57	0.54	......	13	.....	.....	.....	......	Lockmaster
Dam 20 O. R.	Wood	600	13	......	......	......	......	......	......	....	2.21	−1.33	0.76	......	13	.....	.....	.....	......	Lockmaster
Dam 25 O. R.	Mason	565	2	......	......	......	......	......	......	....	2.30	......	0.61	7.5	13	.....	.....	.....	......	Lockmaster
Dam 26 O. R.	Mason	564	13	......	......	......	......	......	......	....	1.95	......	0.56	......	9	.....	.....	.....	......	U. S. Engineer Office
Gary	McDowell	1,426	13	38.2	......	68	13	1	1	45	2.09	−1.75	0.48	6.0	13	.....	.....	.....	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	32	35.8	+0.9	67	15	2	1	43	1.99	−0.91	0.64	7.5	13	6	1	24	......	Mrs M. L. McClung
Huntington	Cabell	538	32	41.0	+6.6	71	12†	8	1	36	2.12	−1.52	0.37	10.0	14	5	7	19	w.	H. N. Robinson
Kanawha Falls	Fayette	618	10	......	......	......	......	......	......	....	1.71	......	0.45	8.0	7	.....	.....	.....	......	J. O. Brown
Kayford	Kanawha	1,335	13	......	......	......	......	......	......	....	2.02	−1.43	0.42	12.7	16	.....	.....	.....	......	Cabin Creek Con. Coal Co
Kermit	Mingo	579	3	......	......	......	......	......	......	....	2.26	......	0.60	12.5	8	.....	.....	.....	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	29	35.5	+3.3	64	15	0	1	37	2.37	−0.47	......	10.5	8	11	6	14	nw.	Geo. T. Argabrite
Logan	Logan	700	26	......	......	......	......	......	......	....	2.23	−2.35	0.45	8.0	10	.....	.....	.....	......	J. R. Wampler
Marlinton	Pocahontas	2,131	30	31.0	+1.6	58	14†	−6	1	34	3.85	−0.03	0.80	16.5	10	6	12	13	sw.	S. L. Brown
Organ Cave	Greenbrier	......	3	......	......	......	......	......	......	....	......	......	......	......	......	.....	.....	.....	......	J. J. Hedrick
Point Pleasant	Mason	595	36	37.2	+2.0	69	14	5	1	33	2.69	−0.74	0.60	10.9	17	5	7	19	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	6	37.2	......	66	13	3	1	48	2.35	......	0.58	14.1	12	6	0	25	nw.	Lockmaster
Robertsburg	Putnam	570	29	36.8	+2.8	69	12	4	1	40	1.79	−1.67	0.48	10.0	11	8	0	23	......	M. Frazier
Ryan	Roane	700	26	34.4	+0.4	66	13	−2	1	50	1.98	−1.47	0.56	14.2	11	9	10	12	......	Wm. E. Ryan
Sharples	Logan	......	9	......	......	......	......	......	......	....	2.15	......	0.60	12.0	8	.....	.....	.....	......	R. W. Howard
Spencer	Roane	789	25	ᵃ38.4	+3.9	68ᵃ	13	1	1	34	3.36	−0.01	0.64	15.0	17	0	10	21	......	A. M. McKown
Summersville	Nicholas	1,894	5	......	......	......	......	......	......	....	......	......	......	......	......	.....	.....	.....	......	J. H. Rohrabaugh
Sutton	Braxton	850	23	37.7	+4.1	68	13†	−1	1	43	4.33	+0.39	0.70	23.0	15	16	0	15	......	C. B. Eakle
Union ††	Monroe	2,250	25	35.6	+3.7	67	10	1	2	43	2.45	−0.07	0.66	7.5	11	9	3	14	......	W. M. H. Young
Wayne	Wayne	598	2	......	......	......	......	......	......	....	2.17	......	0.40	11.0	12	.....	.....	.....	......	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	19	ᵃ34.4	+1.0	63ᵃ	14	9	3	38	1.33	−1.83	0.70	......	8	20	0	11	......	H. E. Green
Williamson ††	Mingo	673	29	ᵃ39.6	+2.7	72ᵃ	13	11	1	38ᵃ	2.83	−1.01	0.63	15.1	15	12	0	19	ne.	Mrs. T. W. Lowe
State averages and	extremes	......	......	36.6	+3.1	73	14	−13	1	56	2.51	−0.79	1.65	12.2	12	9	5	17	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ᵃ, ᵇ, ᶜ appearing in the table indicate number of missing days; for example, ᵇ represents two days, etc.

Daily Precipitation for December, 1929

Stations	Drainage-basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac		.34		.11				.08		T.	T.	.06	1.04	.83	.03				.07	.26	T.			.91	.10	.01		.64	.61	T.		4.69
Brandywine	do		.20									*	.20										*	.65		T.			T.				1.05
Harpers Ferry ‖	do			.37				T.	T.										.11	.08				*	1.21				.33	.10			2.20
Martinsburg‖	do								.10				.05	.15					.20	.60	T.			.64	.55				.28	.11	T.		2.61
Moorefield	do		.16									T.	.07											.48									0.71
Perry	do																																
Piedmont	do		.08									T.	.11		.02				.10	.29				.47						.02		.02	1.11
Romney	do		.12										.25	.47				.15		.11				.48					.69				2.27
Stony River Dam	do			.16									.35	.42	.78		.03		.08	.26				.48	.16				.53	.08	.16		3.49
Upper Tract	do		.08						T.				.15						T.							.36							0.59
Wardensville‖	do		.40	.16									.06	*					T.	.07				.45	.24								1.58
Northern Division																																	
Aberdeen	Monongahela		.27	T.	T.			T.	.04			T.	.14	.19	.05		T.		.05	.34	.02		T.	.62	.05	.05	T.		.37	.06			2.25
Alma (near)	Ohio		.19					.06				.02	.16	.55	.06			.03	.11	.09				.45	.01	.17			.17	.03			2.13
Alpena	Monongahela		.32	.24				.16			.05	.67	.26	.50		.05		.12	.18		.08		.04	.32	.16	.16			.26	.24			3.81
Benson	do		.20	.01					.08			.03	.09	.06	.16				.19	.14	T.	T.	T.	.68	.10	.14			.29	.06			2.23
Bens Run	do		.26					.08	.11				.07	.63				.16	.72	.41				.55	.03	.18			.15	.04			3.39
Brownsville	do		.21	T.				T.	.09			.01	.14	.08	.14		T.		.04	.15	.02		T.	.56	.05	.12			.32	.09	T.		2.02
Bruceton Mills	do	.15	.16	.24			.16	.15				T.		1.65	.41		.10		.70	T.	T.		T.	.40	.20	T.	.40		.28	.13	.10		5.29
Buckhannon	do		.50	T.				T.				.30		.25	.17		T.	T.		.40	T.		T.	1.00	.20	.10			T.	.16			5.02
Clarksburg ‖	do		.08	.08	T.			T.	.06				.08	.20	.63				.22	.18	.05			.59	.15	.07	.03		.24	.04	.04		2.74
Portland ‖	do																																
Crawford‖	Little Kanawha		.18					.04				.10	.27	.11	.13				.11	.39			.07	.65	.08	.06			.21		.04		2.44
reston ‖	Monongahela		.19						.18				.12	.10	.08				.20	.35				.68	T.				.46		.25		2.61
Dam 10, Mon. R.‖	Ohio		T.	T.					.28				.08	.46	.48			.06	.22	.31			T.	.28		T.	T.		.20	T.	.11		2.51
Dam 12, O. R.‖	do		.05		.20				.10				.05	.55	.54				.34		T.			.15	T.	.10	.02		.01	.07	.08		2.26
Dam 13, O R ‖	Monongahela		.06						.10				.11	.65	.50			.03	.47	.34	T.			.20	.05	.05	.02		.03	.06	.08		2.73
Dam 15, Mon. R.‖	do		.09	.04					.08				.12	.18	.46			.06	.04	.18	T.			.22	.04	.02	.04		.05	.08	.18		1.88
avis ‖	do																																....
lizabeth (D'm 3 L K	Little Kanawha			.28				.14		.08			.04	.08	.07				.33	.21				.60					.63				2.46
lkins ***	Monongahela		.32	.02	T.			.03	.15		T.	.24	.32	.20	.07	.02			.06	.31	T.		.12	.15	.01	.02		T.	.22	.14	.03		2.41
airmont ‖	do		.04	.04		T.		T.	.09			T.	.08	.11	.54	.02		T.	.23	.33	T.	T.		.45	.08	T.	.16		.17	.08	.16		2.64
lenville ‖	Little Kanawha		.16	.08					.24				.32	.14	.12				.22	T.	.10	.03		.65	.09	.18	T.		.28	.07	.06		2.77
rafton ‖	Monongahela		.10	.02				.13						.23	.63				.54					.40	.24	.08					.04	.04	2.45
orner	do	.05	.12					.25	.15				.15	.05	.10			.20		.50		.05	.10	.15		.25	.35						2.47
orton	do			.48					.05			T.	.48	.04	.16				.05	.22	.10		T.	.59	.10	T.			.12	.15			2.54
nelew (near)	do		.20						.20						.20					.20				.72	.10	.08				.15			1.85
ost Creek	do		.12	T.				.04	T.			.03	.05	.11	.14		T.	T.	.14	.16	T.		T.	.66	.16	T.			.21	.08	T.		1.90
annington	do		.26					.10	.07			T.	.09	.43	.36			.03	.20	.09	T.			.55	.04	.15			.20	.07	.07		2.71
organtown	do		.25					T.				T.	.20	.85	.30			.05	.15	.40	T.			.40	T.	T.			.15	.14			2.89
ew Cumberland‖	Ohio		.08	.05					.19			.02	.08	.66	.25	T.		.17	.52	.48	.02			.24	.04	.05	.02	.02		.09	.08		3.06
ew Martinsville	do		.30	T.	T.			.10	.15				.25	.60	.25		T.		.50	.25				.40	T.	.25			.10	T.	T.		3.15
arkersburg ***	do		.22	T.	T.			.07	.01			.02	.13	.13	.03	T.	.02	.51	.11	.07	T.		.27	.52	.04	.13		.08	.09	.03			2.48
arsons	Monongahela		.16	.08				T.				1.41	.31	.25					.30	.16			.25	.30	.32	.25			.25	.16			4.20
arsons No. 2	do		.25	T.				.01				.06	.14	.31	.11				.01	.14	.01		.03	.32	.02				.27	.13			1.81
hilippi	do		.05	.02					.03				.15	.20	.40		.02		.13	.48	T.	T.		.45	.02	.02	T.		.70	.02	.10		2.79
hilippi No. 2	do																																....
ekens	do	.02	.15	.10				.03	.22			.14	.33	.16	.40		.05		.20	.82	.08			*	*	1.30			*	.56	.08		4.64
oanoke	do		.24	T.				.04	.05			.01	.25	.10	T.				.02	.46	T.		T.	.62	.07	.13	T.		.43	.11	T.		2.53
wlesburg ‖	do		.02	.20					.08				.05	.69	.60		.02		.08	.15	.05	T.		.28	.10	.02	T.		.18	.05	.13		2.70
int Marys ‖	Ohio		.19					T.	.17			.02	.10	.18	.78			.03	.68	.32	.03			.65	.04	.18	.01		.18	.03	T.		3.62
rra Alta	Monongahela		.31	.03					T.				.16	.50	.85				.02	.16	.03		T.	.17	.13	.03	T.		.13	.12	T.		2.64
omas ‖	do		.10	.10	T.	T.			.20				.36	.27	.75	.21			.50	.30	.20			.20	.30	.10			.20	.30	.25		4.34
lley Chapel	do		.15									.02	.10		.35					.33				.54	.04				.35	.05			1.93
ndalia	do				.10								.30									.10	.08	.48	.16						.30		1.52
llsburg	Ohio		.04	.32				.03	.10				.90	.84	.05				.78	.30	T.			.28	.28	.12				.05	.21		4.30
st Milford	Monongahela			.20								.15		.30	.35				.25					.60	.20					.32		.15	2.52
ston	do		.10						.15				.15	.10	.20				.20	.35	T.	T.		.40	.10	.12	T.		.40	T.			2.27
eeling ‖	Ohio		.03	.01	.01				.06			T.	.11	.63	.43			.07	.37	.52	.01			.23	.02	.08	.01		.01	.06	.12		2.78
odlands ‖	do		.11						.17				.14	.68	.94			.04	.30	.30	.01			.21	.08			.01	.05	.08			3.12
outhern Division																																	
ovale	Great Kanawha		.32					.01	.03			.20	.21						.30	.19	T.		*	.40		T.			.14	.16			1.96
ncroft ‖	do		.20					.10	.05				.10		.05	.05	.06		.14	.15	T.			.48	.08	.08			.85	.05			2.44
etield	do		.16	.08						.68					.06		.10		.11					.48	.04				.04				1.91
aden-on-Gauley ‖	do																																....
arleston ‖	do		.20					.10					.10				.16		.06	.24				.48					.50				1.84
v ‖	do		.15	.17					.06				.13	.06				.08	.15	.05		.03		.42	.16	.01	.22		.21	.05	.14		2.09
n 6 G K. ‖	do		.20					.32	T.								.28		.12	.10				.58			T.	T.	.78	.10	T.		2.48
n 19 O. R. ‖	Ohio		.08	T.					.10			.01	.06	.10	.12			.02	.54	.10	T.			.45	T.	.04	T.		.16	.04	T.		1.85
n 20 O. R. ‖	do		.10	T.					.06				.06	.08	.03			.03	.68	.14				.76	T.	.03			.18	.03	.03		2.21
n 25 O. R. ‖	do		.10	T.					.07			.04	.17	.03	.02	.05			.61	.41	T.			.50	T.	T.			.26	.03	.01		2.30
n 26 O. R. ‖	do		T.	T.									.13		.02		.07		.56	.35	T.	T.		.38	T.	T.	.03		.38	.03			1.95
r ‖	Big Sandy		.46						.02					.01	.02	.02	.17			.26	.05		T.	.32	T.	T.	.48		.17	.07		.04	2.09
ton ‖	do		.23	.17					.02				.06		T.		.05		.17	.38	.02			.64	T.	T.	.04		.07	.13	.01		1.99
ntington ‖	Ohio		.25					.14	.02			.10	T.	T.	.03	.01	.09	.17	.12	.27	T.		.18	.36	T.	.01		T.	.37				2.12
nawha Falls ‖	Great Kanawha		.20											.10				.05		.08	.45			.45					.38				1.71
ford ‖	do		.08	.12	T.			T.	.06	T.			.05	T.	.01	T.	.11	.01	.14	.42	.05	T.		.38	.02	.03	.04	T.	.38	.12	T.	T.	2.02
mit ‖	Big Sandy		.30	.20								.01	T.				.50				.05			.60			.10		.50				2.26
isburg	Great Kanawha		.36						.45			.03					.16		.26	.46			*	.65		T.			T.	T.			2.37
an ‖	Guyandotte		.30	.15					.20								.25		.10	.30	T.			.33	T.		.05		.45	.10	T.		2.23
linton	Great Kanawha		.45					.06				.06	.48				T.		.28	.52	T.		.20	.60	T.	T.			.80	.40			3.85
nt Pleasant ‖	Ohio		.14	.04				.14	.09			.10	.19	.04	.03		.04		.60	.42	.02			.44	.02	.07			.26	.05			2.69
enswood (Dam 22	Ohio		.15	.05					.05				.10	.08	.04	T.			.56	.12				.58	T.	T.	.30		.25	.07	T.		2.35
ertsburg ‖	Great Kanawha		.24					.05	.02			T.	.08				.06		.22	.19	T.			.48	.08			.05	.32	T.			1.79
n	do		.28											.01	.15				.22	.21	.01		.17	.56	.02	.20				.15			1.98
pies ‖	Coal River		.40						.10								.20		.10	.35				.60		.10			.30				2.15
ver ‖	Great Kanawha	.16	.08				.22	.04	.05				.29		.09	T.			.16	.40	T.	T.		.64	.08	.08	.21	.29	.36	.04	.17		3.36
uersville	Gauley																																....
on	do		.32					.70	.15			.10		.25	.15				.40	.16			.16	.56	.16	.32			.65	.15	.10		4.33
n	do		.10	.16									.66	.02			.05		.19	.39				.40				.37	.06	.04			2.45
e ‖	Big Sandy	T.	.30					.29	.02				.08				.15		.15	.25	.07			.40	T.	T.	.05		.36	.05			2.17
e Sulpr. Spgs. ‖	Great Kanawha											.20		.05				.20	.18			*	*	*				.70					1.33
amson ‖	Big Sandy		.36	.15					.02						.01	.10	.52	T.	.10	.26	.03			.63	.01		.10		.49	.04	.01		2.83

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for December, 1929

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	31	29	28	28	51	51	52	51	49	48	48	37	60	58	58	55	63	61	57	26	20	29	28	23	29	49	48	46	40	40	50	43.3
	Minimum	-5	10	11	7	18	38	33	35	31	30	34	27	30	53	50	37	34	46	26	9	7	13	17	12	7	21	28	35	24	23	38	25.1
Brandywine	Maximum	36	35	35	30	58	55	54	52	50	55	56	42	59	64	62	60	55	60	57	34	29	30	30	31	30	42	46	46	42	48	50	46.2
	Minimum	2	20	10	6	13	14	26	40	22	22	32	30	37	48	36	35	40	27	34	14	14	15	18	20	9	13	34	34	27	26	32	24.8
Martinsburg§	Maximum	30	31	35	32	52	52	66	54	42	38	40	35	52	67	67	42	52	58	68	45	30	30	27	30	35	42	45	42	40	52	..	44.4
	Minimum	7	9	17	15	17	22	31	41	28	26	26	22	25	30	32	37	30	35	40	20	19	19	25	20	16	18	20	32	32	30	32	24.9
Moorfield	Maximum	32	33	33	34	63	66	66	60	55	61	59	40	..	73	72	64	48	56	59	36	..	32	31	34	36	49	56	47	47	56	66	50.5
	Minimum	1	17	12	7	19	32	28	47	25	29	36	31	..	29	34	40	37	42	18	16	..	16	22	18	16	10	20	35	21	29	38	25.0
Piedmont	Maximum	27	34	31	25	49	56	55	51	45	53	48	31	50	60	61	50	42	51	52	29	25	30	30	26	32	41	51	45	38	42	41	42.0
	Minimum	7	16	17	13	25	30	31	37	31	32	30	25	29	50	50	35	35	42	29	16	14	22	21	19	17	24	23	38	30	30	33	27.5
Romney §	Maximum	45	41	42	41	60	66	68	62	60	..	54	50	62	70	60	65	..	58	49	59	35	36	29	29	35	51	55	48	42	60	..	51.2
	Minimum	..	7	8	3	5	10	22	36	19	22	..	20	19	22	36	22	26	..	34	18	6	6	11	10	18	12	19	36	18	34	33	19.0
Upper Tract	Maximum	30	36	35	32	..	60	60	55	..	57	56	55	55	66	65	58	50	60	58	52	38	30	31	30	30	..	35	..	50	54	60	48.1
	Minimum	-3	17	15	10	..	20	32	43	..	25	28	30	32	33	32	33	39	36	29	14	15	14	14	13	14	..	14	..	34	38	47	24.7
Wardensville	Maximum	32	34	31	33	64	60	61	64	50	55	35	34	..	.	69	68	56	65	65	50	49	53	29	..	..	..	..	..	50	56	..	50.6
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Northern Division																																	
Alpena	Maximum	30	32	35	21	51	53	50	49	52	51	50	41	63	54	56	55	58	57	54	25	20	27	27	21	26	47	47	45	40	42	52	42.9
	Minimum	-10	20	9	5	19	31	42	36	26	30	38	32	35	50	49	37	48	49	21	7	7	11	13	10	6	19	33	38	22	22	41	25.8
Bens Run	Maximum	29	34	28	28	49	50	51	52	41	49	49	58	64	62	60	58	64	57	51	24	27	29	32	26	34	47	51	43	37	49	55	44.8
	Minimum	6	26	16	9	27	27	40	36	27	31	38	38	51	52	48	39	41	50	21	15	15	17	24	18	18	25	34	34	31	31	31	29.7
Buckhannon	Maximum	27	34	30	24	46	54	55	51	43	53	50	61	64	60	61	57	67	65	60	25	25	26	31	25	33	46	50	48	39	48	53	45.5
	Minimum	-1	20	15	11	23	35	35	40	27	35	40	39	59	56	51	39	45	59	25	14	13	17	25	15	12	23	40	37	28	28	36	31.2
Clarksburg §	Maximum	32	33	23	32	50	58	57	46	47	54	43	61	66	57	47	47	68	69	36	22	27	29	31	27	34	49	52	40	40	51	55	44.6
	Minimum	0	4	15	12	10	31	35	38	23	27	39	28	43	55	47	37	38	44	35	13	10	14	22	17	10	26	29	37	31	29	33	26.8
Creston	Maximum	30	35	31	31	52	61	57	53	52	54	49	63	68	65	64	61	65	68	61	28	31	28	28	29	33	50	54	41	38	54	60	48.2
	Minimum	2	21	10	6	18	28	29	38	39	40	35	39	47	54	48	40	44	50	23	15	14	16	20	12	13	15	36	35	30	29	29	28.2
Elkins	Maximum	27	34	20	25	54	56	56	53	54	54	54	55	64	60	60	55	67	62	57	19	21	28	27	18	29	52	51	45	38	50	56	45.2
	Minimum	-8	17	11	9	22	40	45	29	28	31	38	38	45	52	48	41	46	52	14	10	10	13	16	11	11	25	45	36	25	28	30	27.8
Fairmont§	Maximum	33	34	33	30	31	61	58	55	47	53	41	57	66	63	59	46	68	70	37	23	30	29	27	32	34	51	52	46	38	52	62	46.4
	Minimum	2	5	15	12	15	23	39	38	27	27	37	36	41	55	54	37	38	45	37	15	12	13	22	11	12	12	29	37	32	29	37	27.2
Glenville	Maximum	34	34	35	33	54	64	60	62	55	55	60	66	68	64	71	62	68	71	65	27	36	33	32	30	37	57	54	44	30	56	66	51.4
	Minimum	-3	17	14	12	14	27	30	38	23	32	34	38	48	51	48	43	44	50	24	13	13	13	21	16	9	19	28	32	29	28	29	27.0
Grafton	Maximum	35	21	36	51	56	56	45	46	52	42	58	66	59	55	46	66	67	31	20	22	28	32	28	33	49	51	37	37	49	53	..	44.3
	Minimum	20	14	11	11	29	33	38	21	29	36	36	44	53	48	41	39	45	34	13	12	14	15	15	7	29	33	35	30	28	31	30	27.4
Lost Creek	Maximum	27	33	30	27	50	59	58	54	55	54	50	62	67	62	60	56	68	69	61	26	27	28	29	23	33	49	50	53	36	50	59	47.2
	Minimum	-3	18	14	10	22	35	40	37	21	30	35	36	49	54	46	36	40	50	26	12	11	14	23	15	8	25	38	36	29	29	34	28.1
Mannington	Maximum	27	33	31	25	46	56	55	52	43	52	49	57	65	62	58	56	67	66	63	27	25	25	32	26	33	43	50	42	37	47	53	45.4
	Minimum	-2	22	15	12	23	35	28	35	24	28	36	37	47	54	48	37	42	51	27	14	14	13	25	18	9	27	25	36	30	34	29	28.1
Morgantown	Maximum	25	33	30	23	46	56	54	52	46	50	50	54	61	58	59	56	66	67	61	28	25	27	30	26	30	46	49	47	39	46	54	45.0
	Minimum	2	20	14	10	22	42	51	38	28	32	33	33	52	50	50	34	41	60	26	12	12	16	22	16	16	20	42	34	26	27	38	29.6
New Cumberland§	Maximum	32	32	22	28	44	53	51	42	42	42	39	57	59	58	49	45	62	39	35	20	24	27	31	27	35	47	48	38	39	47		40.5
	Minimum	1	7	14	12	13	25	33	35	30	28	31	32	34	50	42	34	34	36	31	13	12	10	14	19	18	21	25	33	30	28	37	25.3
New Martinsville	Maximum	28	34	33	29	50	58	58	51	45	50	50	54	52	62	61	54	64	61	49	28	28	30	31	27	31	47	50	46	37	50	59	45.5
	Minimum	-3	26	16	15	21	32	37	37	27	29	37	37	50	52	50	38	42	46	25	15	15	16	25	18	18	27	35	35	30	30	30	29.3
Parkersburg	Maximum	29	34	21	30	50	58	57	52	40	50	45	63	65	65	58	46	65	57	38	24	28	28	28	27	34	48	53	40	36	53	57	44.5
	Minimum	8	17	15	14	28	43	47	32	29	36	38	39	53	52	41	38	44	38	18	14	15	20	21	19	24	23	39	35	30	35	37	30.4
Parsons	Maximum	30	35	29	28	55	59	56	45	57	55	49	52	65	67	63	57	65	68	68	30	27	28	30	24	30	55	51	48	40	47	57	47.4
	Minimum	-4	17	14	10	24	31	32	31	26	32	37	35	45	43	43	43	42	51	25	13	11	14	23	13	9	27	28	38	28	27	34	27.2
Pickens	Maximum	32	36	26	23	47	49	53	48	52	50	50	53	58	57	57	55	63	56	54	35	25	40	35	18	28	46	47	44	37	43	51	44.1
	Minimum	-13	18	5	1	0	28	35	26	23	31	36	38	43	44	41	38	41	46	15	3	2	5	12	5	6	5	6	31	18	17	31	20.6
Terra Alta	Maximum	24	31	24	18	44	50	50	49	48	46	46	33	60	56	55	51	64	63	56	23	19	28	26	21	26	45	46	44	34	40	50	41.0
	Minimum	-2	17	9	5	16	39	43	32	29	31	30	25	31	48	49	35	37	50	23	7	6	13	17	11	11	21	41	33	22	21	37	25.4
Wellsburg	Maximum	27	33	27	26	45	54	53	51	41	46	39	45	58	59	54	43	63	62	41	27	24	27	33	26	35	42	48	45	38	43	48	42.1
	Minimum	4	25	15	13	25	30	29	36	26	26	27	34	45	49	42	36	40	39	27	14	13	12	24	19	10	26	30	34	31	29	32	27.2
Weston	Maximum	27	32	30	28	50	56	58	54	53	55	53	65	65	66	65	54	68	66	62	30	28	25	29	28	31	48	52	49	44	52	59	47.8
	Minimum	1	20	10	16	20	31	30	36	25	31	38	37	52	54	49	40	45	52	29	14	13	18	22	12	15	25	42	38	28	29	36	29.3
Wheeling§	Maximum	32	32	24	30	48	55	46	43	36	52	42	61	59	57	59	57	63	42	35	21	28	31	32	30	34	47	50	41	41	40	50	42.5
	Minimum	-2	-2	10	9	10	24	33	25	31	29	32	32	39	40	40	43	34	39	23	10	10	9	18	15	15	22	22	26	30	30	25	23.4
Southern Division																																	
Bluefield	Maximum	..	29	30	25	47	56	58	.	61	61	63	58	61	60	..	62	59	59	58	47	26	..	26	23	..	48	48	47	..	51	59	48.9
	Minimum	..	0	10	9	23	33	38	..	30	40	45	38	32	51	..	50	48	50	23	9	8	..	19	10	..	14	10	41	..	26	37	20.0
Charleston§	Maximum	40	36	34	40	60	64	60	60	64	62	50	72	70	68	70	52	70	70	37	33	40	30	30	34	34	58	60	44	60	62	70	52.7
	Minimum	4	10	16	14	18	26	32	38	30	32	36	40	41	50	48	44	44	50	32	14	12	12	24	16	16	22	22	38	34	34	36	28.6
Gary §	Maximum	40	34	27	35	56	60	57	57	64	63	64	67	68	59	64	63	64	65	37	26	29	32	29	30	32	53	55	48	38	55	64	49.5
	Minimum	1	26	16	8	14	15	22	36	27	29	34	45	42	42	52	52	47	48	34	14	11	11	25	15	15	14	17	32	31	29	27	26.8
Hinton §	Maximum	37	34	27	33	58	59	53	58	50	62	56	50	57	64	67	47	52	60	42	26	30	33	30	31	31	47	42	42	38	55	61	46.3
	Minimum	2	7	17	6	15	18	23	31	27	27	30	39	26	38	47	47	47	46	40	16	13	24	16	15	12	17	18	23	31	29	33	25.2
Huntington	Maximum	35	34	31	34	55	62	60	54	53	59	49	71	71	65	64	64	66	65	58	57	32	28	27	31	35	51	57	51	51	68	65	51.9
	Minimum	8	15	10	17	21	30	45	35	28	32	39	41	42	58	50	42	45	49	21	15	15	22	23	18	23	18	33	38	33	34	34	30.1
Lewisburg	Maximum	32	34	34	28	51	52	48	52	52	57	57	53	57	61	64	58	60	56	55	30	27	27	34	27	29	49	44	44	42	49	57	45.5
	Minimum	0	20	10	7	14	19	26	39	22	25	34	34	34	48	49	45	45	50	30	13	11	18	23	13	5	16	16	35	28	27	33	25.5
Marlinton	Maximum	28	30	28	22	50	48	46	48	48	52	46	38	52	58	58	56	54	54	52	24	22	26	28	22	28	36	41	42	34	44	52	41.0
	Minimum	-6	22	10	-2	16	16	22	30	16	22	28	28	25	42	44	38	44	46	24	8	6	14	18	12	4	12	14	32	12	14	34	20.9
Point Pleasant	Maximum	30	30	25	34	50	62	54	50	42	54	48	47	66	69	60	55	64	65	53	30	30	28	25	26	34	50	50	50	40	52	60	46.3
	Minimum	5	20	10	13	24	39	42	36	24	33	33	34	38	53	48	37	41	47	20	14	13	17	22	15	18	18	34	34	29	31	25	25.1
Ravenswood	Maximum	29	29	29	30	50	60	57	54	53	52	53	64	66	64	63	60	54	60	53	25	29	29	25	25	33	45	50	46	36	53	51	45.3
	Minimum	3	27	13	13	26	33	35	30	25	34	35	39	54	54	50	39	43	12	22	14	15	11	23	17	21	20	38	35	31	31	29	23.1
Robertsburg§	Maximum	31	33	22	32	47	61	59	51	49	58	45	69	68	65	65	50	65	66	28	22	31	27	25	32	33	50	54	35	42	55	63	46.3
	Minimum	4	9	11	9	18	28	34	39	26	29	37	38	42	55	48	40	40	48	28	15	14	15	23	16	17	12	14	35	33	33	32	27.2
Ryan	Maximum	28	28	26	30	59	57	50	50	50	50	50	65	66	61	60	52	62	60	60	24	28	24	25	26	31	48	45	37	35	53	65	45.5
	Minimum	-2	18	6	2	9	25	28	22	25	26	28	38	39	50	47	39	40	48	20	10	10	13	20	12	10	5	22	35	27	27	25	23.4
Spencer §	Maximum	35	35	22	32	53	60	58	50	51	57	49	63	68	65	59	58	65	67	31	25	29	29	27	28	33	50	56	39	40	54	..	46.3
	Minimum	1	16	14	13	22	32	45	39	25	39	38	40	49	56	40	39	50	55	30	13	14	24	25	16	20	21	33	37	30	34	35	31.5
Sutton	Maximum	31	31	30	30	54	59	59	55	52	42	42	62	68	68	65	62	68	68	63	36	27	27	28	25	33	50	53	53	46	48	48	47.9
	Minimum	-1	19	11	10	11	25	30	38	26	30	28	37	48	50	51	42	45	50	28	12	14	16	21	16	11	23	31	38	28	32	33	27.5
Union	Maximum	..	10	24	23	51	54	58	..	55	67	60	57	60	62	..	64	59	58	59	35	27	..	30	30	40	43	47	47	..	48	58	47.2
	Minimum	..	1	8	8	19	22	27	..	22	25	32	34	34	51	..	49	41	49	31	12	9	..	17	4	12	10	24	25	..	25	32	24.0
White Sulphur Spgs§	Maximum	31	21	30	52	55	49	52	43	57	54	38	51	61	63	55	60	57	40	23	25	23	33	22	26	47	48	43	37	48	56	..	43.3
	Minimum	21	13	9	17	17	18	28	20	21	25	31	33	35	49	45	44	44	40	14	12	12	22	15	13	13	20	35	30	29	34	30	25.5
Williamson§	Maximum	35	34	30	39	54	59	60	60	60	59	61	71	72	64	62	57	64	67	35	32	35	29	29	34	34	35	58	45	45	44	.	45.8
	Minimum	11	13	17	17	19	21	29	31	32	33	39	50	48	50	52	50	51	50	35	17	18	20	27	18	20	21	25	34	25	34	32	30.3

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 1-29-30—900)

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVII PARKERSBURG, W. VA., YEAR, 1929 No. 13

GENERAL SUMMARY

The temperature for 1929 averaged practically normal, the precipitation somewhat more than three inches above the normal, and the snowfall more than ten inches above.

The summer, or from May to August, inclusive, was cool. January, February and October were also moderately cool. March, April and December were warm.

The winter and summer months were dry. April, May and October were wet. The snowfall was heavy in February and December.

Although the summer months were dry, practically all crops made favorable growth. Harvesting in October was delayed by heavy rains.

The season of growth extended generally from April 23 to October 18, being somewhat longer than usual.

Cloudiness was considerably in excess. The sunshine at Parkersburg averaged 42 per cent. of the possible amount, or about 4 per cent. below the normal. For Elkins the average was 44 per cent., or slightly below the normal.

The wind movement for Parkersburg was 43,982 miles, and for Elkins 44,057 miles.

THE WEATHER BY MONTHS

JANUARY: January was slightly colder and considerably drier than usual. The snowfall, 6.1 inches, averaged 2.5 inches below the normal. The highest temperatures prevailed from the 17th to the 19th; the lowest on the 14th. The greatest amounts of precipitation were measured on the 10th and 18-19th The snowfall was greatest on the 12-13th, 28th, and 29-30th. The conditions were generally favorable for winter grains and outdoor work.

FEBRUARY: February was cold, the average temperature being the lowest of February State record since 1914. While the precipitation was practically normal, the snowfall was much above the average, giving ample snow-cover during the lowest temperatures of the month. Boating on the Ohio River was impeded by floating ice until the 15th. The rivers were at moderately high stages at the close of the month.

Continued on page 51

TEMPERATURE AND PRECIPITATION DATA FOR 1929

Month	Temperature in degrees Fahrenheit				Precipitation in inches				Sky			Prevailing direction of the wind
	Mean	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. Cloudy	Cloudy	
anuary	31.4	−0.9	75	−19	2.92	−0.96	6.1	12	7	5	19	w.
ebruary	30.0	−2.3	70	−15	2.98	−0.03	14.6	9	9	6	13	w.
arch	46.7	+3.9	92	− 2	3.47	−0.42	4.8	12	12	6	13	w.
pril	55.4	+3.9	94	18	4.54	+1.15	0.8	13	12	7	11	w.
ay	60.8	−1.1	98	23	5.81	+1.88	0.1	15	10	9	12	w.
ne	68.2	−1.2	100	28	3.50	−0.73	.....	8	16	9	5	w.
ly	72.7	−0.8	104	32	4.09	−0.42	.....	10	15	10	6	w.
ugust	69.1	−2.9	101	33	3.31	−0.66	.....	7	16	8	7	w.
ptember	66.5	+0.8	102	24	2.95	−0.21	.....	8	15	7	8	w.
tober	52.6	−2.4	89	21	6.17	+3.21	0.1	11	13	6	12	w.
vember	42.9	−0.1	83	− 9	4.52	+1.71	3.6	13	7	5	18	w.
cember	36.6	+3.1	73	−13	2.51	−0.79	12.2	12	9	5	17	w.
nnual	52.7	−0.3	104	−19	46.70	+3.73	42.3	130	141	83	141	w.

EVAPORATION

Monthly evaporation (inches); wind movement (miles)

Name of Station.		Mar.	Apr	May	June	July	Aug.	Sept	Oct.	Nov.
Clarksburg	Evaporation	.....	4.252	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	Wind Movement	.....	2,612	[illegible]	[illegible]	[illegible]	1,275	1,182	[illegible]	[illegible]

Station established June 1, 1923.

Dates on which First and Last Killing Frost Occurred or Minimum Temperature Fell to 32 Degrees

Station	Last in Spring	First in Autumn	Station	Last in Spring	First in Autumn
Bancroft	April 19	Oct. 26	Morgantown	April 23	Sept. 19
Bayard	June 5	Sept. 19	New Cumberland	May 10	Oct. 15
Bens Run	April 23	Oct. 17	New Martinsville	April 23	Oct. 15
Benson	....	Sept 19	Parkersburg	April 19	Oct. 15
Bluefield	April 23	Sept. 19	Parsons	May 9	Oct. 6
Brandywine	June 4	Sept. 19	Philippi	April 23	....
Brownsville	May 8	Sept. 9	Piedmont	May 17	Sept. 15
Buckhannon	April 24	Sept. 19	Pickens	June 4	Sept 29
Cairo	April 23	....	Point Pleasant	April 23	Oct. 15
Charleston	April 19	Nov. 5	Ravenswood	April 23	Oct. 18
Clarksburg	May 4	Oct. 9	Robertsburg	May 8	Oct. 18
Creston	April 23	Oct. 15	Romney	May 17	Sept. 19
Elkins	April 23	Oct. 9	Ryan	June 4	Sept. 19
Fairmont	April 23	Oct. 18	Spencer	April 23	Oct. 15
Gary	April 23	Oct. 17	Sutton	April 24	Oct. 17
Glenville	April 24	Oct. 18	Terra Alta	June [illegible]	Sept. 19
Grafton	May 16	Oct. 9	Union	April 24	Oct. 26
Hinton	April 19	Oct. 26	Upper Tract	May 22	Sept. 19
Huntington	April 19	Oct. 18	Valley Chapel	April 24	Nov. 5
Janelew	May 8	Sept. 19	Wardensville	May 16	Sept. 19
Lewisburg	May 17	Sept. 19	Wellsburg	May 17	Sept. 19
Lost Creek	May 17	Sept. 19	Weston	....	Oct. 18
Mannington	May 17	Sept. 19	Wheeling	May 17	Sept. 19
Marlinton	May 4	Sept. 19	White Sulphur Springs	April 29	Sept. 18
Martinsburg	May 17	Oct. 9	Williamson	April 2	Nov. 6
Moorefield	May 17	Sept. 19			

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Precipitation			Number of days			
	State mean	Highest	Lowest	State average	Greatest local amount	Average snowfall	With precip .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	......	......	45.96	......	......	......	......	......	......
1892	52.1	99	−12	38.33	7.20	......	....	....	....	......
1893	52.0	93	−25	39.82	7.85	......	116	......	......	......
1894	53.5	103	−29	34.52	7.48	......	102	155	114	96
1895	51.5	107	−21	32.82	7.69	......	100	150	111	104
1896	53.6	97	−10	43.49	15.70	......	111	152	128	106
1897	53.5	103	−18	41.59	8.42	....	116	141	113	111
1898	51.8	103	−13	47.61	11.57	20.6	117	133	129	103
1899	53.2	100	−35	40.97	8.64	36.1	108	142	107	116
1900	51.1	104	−11	37.62	9.00	30.6	114	135	116	114
1901	52.1	104	−11	44.78	11.10	28.2	116	128	95	142
1902	52.8	104	−14	42.19	9.95	49.1	112	128	113	119
1903	52.0	105	−19	40.55	12.30	29.3	112	151	102	112
1904	50.9	98	−20	37.33	8.29	31.7	111	148	110	108
1905	52.3	100	−22	45.53	10.64	35.3	117	114	102	119
1906	51.0	101	−11	44.36	11.15	40.2	130	134	101	130
1907	51.7	98	−23	52.15	13.35	35.9	138	128	102	135
1908	53.7	101	−16	40.47	11.45	38.0	116	155	110	101
1909	53.0	101	−10	43.02	10.50	30.3	126	143	109	113
1910	52.3	98	−11	38.60	13.16	47.4	118	140	103	122
1911	54.6	106	− 5	47.13	12.63	23.2	131	140	97	128
1912	51.7	100	−34	43.78	14.02	33.9	124	159	81	126
1913	53.9	103	− 4	49.02	10.53	31.6	122	162	79	124
1914	52.3	106	−22	39.71	10.05	67.7	116	153	81	131
1915	52.8	101	− 8	43.76	11.38	29.4	125	146	84	135
1916	52.6	104	−18	44.63	10.79	43.9	121	157	92	117
1917	49.9	104	−37	44.33	14.20	51.6	123	163	74	128
1918	53.2	110	−27	44.77	10.28	37.7	122	160	83	122
1919	54.0	104	−15	47.27	13.08	16.8	118	164	78	123
1920	52.0	99	−11	41.62	9.70	25.7	120	147	75	114
1921	55.6	101	−10	45.45	10.67	22.4	122	145	93	127
1922	54.1	100	−15	41.57	8.19	25.8	117	164	68	133
1923	52.7	102	−20	46.03	12.42	23.9	125	161	73	151
1924	50.5	104	−16	47.84	10.88	36.1	129	154	79	153
1925	53.2	104	−27	41.20	13.08	31.1	124	147	85	133
1926	51.6	107	−23	49.60	15.36	49.1	139	126	81	158
1927	53.8	100	−14	48.90	12.40	26.6	138	138	77	150
1928	52.3	103	−14	43.40	11.69	45.8	134	136	82	148
1929	52.7	104	−19	46.53	11.14	44.5	132	142	77	146
1891-1929	52.8	110	−37	43.19	15.70	35.1	120	146	95	124

CLIMATOLOGICAL DATA FOR THE YEAR 1929

Stations	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number rainy days	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall		Number clear days	Number partly cloudy days	Number cloudy days	
PANHANDLE DIVISION																				
Bayard	Grant	2,375	27	48.5	91	July 6†	−9	Feb. 4	27	78.81	9.41	Oct.	3.99	Sept.	88.0	155	128^{a}	104	133	w.
Brandywine	Pendleton	1,586	14	51.8	94	July 24	−3	Feb. 3	13	32.20	5.75	Oct.	1.05	Dec.	26.0	78	208	11	146	sw.
Harpers Ferry	Jefferson	244	...	...	...	...	...	...	40	43.12	10.93	Oct.	1.25	Aug.	30.5	95	...	...	...	...
Martinsburg	Berkeley	435	37	53.3	99	July 28	4	Jan. 14	37	40.99	9.18	Oct.	1.10	July	...	108	254	79	32	w.
Moorefield	Hardy	900	33	55.0	102	Sept. 3	1	Dec. 1	33	32.30	4.93	Apr.	0.71	Dec.	...	81	...	...	...	...
Perry	Hardy	...	...	...	...	...	...	...	...	...	7.24	Oct.	...	...	...	...	...	...	...	...
Piedmont	Mineral	1,053	13	51.7	96	July 28	1	Jan. 14	13	35.18	7.40	Apr.	1.14	Dec.	...	103	160	82	123	nw.
Romney	Hampshire	824	32	53.4	100	July 28†	2	Jan. 14	32	33.08	6.72	Apr.	1.14	Aug.	...	64	...	...	...	...
Stony River Dam	Grant	3,300	...	...	...	...	...	...	9	51.78	9.55	Oct.	1.22	Aug.	83.0	125	77	94	194	w.
Upper Tract	Pendleton	1,230	30	52.4	96	Sept. 29	−3	Dec. 1	30	...	6.35	Oct.	0.59	Dec.	...	...	...	...	...	w.
Wardensville	Hardy	1,200	2	...	...	...	...	...	2	...	9.05	Oct.	...	...	...	...	...	...	...	...
NORTHERN DIVISION																				
Aberdeen	Upshur	1,060	5	...	...	...	...	...	5	45.60	6.46	Oct.	2.25	Dec.*	37.3	138	96	135	134	w.
Alma (near)	Tyler	800	...	...	...	...	...	...	3	43.94	4.92	May	2.13	Dec.	33.4	149	126	99	140	...
Bens Run	Pleasants	622	28	54.0	95	June 18†	3	Nov. 30	28	46.84	5.71	Oct.	2.19	Mar.	43.0	128	162	100	103^{a}	...
Brownsville	Lewis	1,032	5	53.8	95	July 18	−12	Jan. 14	5	45.45	6.39	Nov.	1.69	June	33.0	144	172	77	116	...
Bruceton Mills	Preston	1,549	...	...	...	...	...	...	18	...	10.47	Oct.	...	...	...	...	...	...	...	w.
Buckhannon	Upshur	1,411	33	52.0	88	Sept. 26	−7	Jan 14	33	47.96	5.91	Oct.	2.14	Aug.	46.0	123	176	69	120	...
Cairo	Ritchie	680	29	...	...	...	−13	Jan. 14	29	...	...	...	...	...	...	...	...	...	...	...
Clarksburg	Harrison	1,015	7	52.0	95	June 22†	−9	Jan. 14	7	45.13	6.20	May	2.36	Jan.	38.2	145	124	115	126	sw.
Crawford	Lewis	1,107	...	...	...	...	...	...	6	47.23	6.12	May	2.31	Jan.	38.4	140	132	133	100^{a}	w.
Creston	Wirt	640	28	53.9	94	June 19†	−10	Jan. 14	28	42.45	5.81	May	1.92	June	38.0	118	182	0	183	sw.
Dam 10 Mon. R.	Marion	826	...	...	...	...	...	...	13	47.17	7.09	May	1.77	Feb	...	119	...	...	...	...
Dam 12 O. R.	Ohio	660	...	...	...	...	...	...	13	45.17	5.59	May	2.10	Sept	...	136	...	...	...	...
Dam 13 O. R.	Ohio	655	...	...	...	...	...	...	13	41.11	5.50	May	2.09	Aug	...	144	...	...	...	...
Dam 15 Mon. R.	Monongalia	882	...	...	...	...	...	...	7	39.94	5.42	May	1.88	Dec.	46.5	152	...	...	...	...
Davis	Tucker	3,093	...	...	...	...	...	...	19	60.25	9.20	Oct.	3.11	Dec.	...	158	...	...	...	w.
Elizabeth	Wirt	615	...	...	...	...	...	...	4	40.06	5.50	Oct.	1.12	July	...	115	...	...	...	...
Elkins	Randolph	1,947	29	50.2	88	June 22	−10	Jan. 14	29	51.00	8.09	May	1.81	Aug.	50.2	179	63	104	198	w.
Fairmont	Marion	883	24	53.4	98	July 28	−5	Jan 14	37	42.21	5.73	May	1.91	Mar.	41.8	135	125^{a}	82^{a}	158	w.
Glenville	Gilmer	738	36	55.2	96	June 22†	−10	Jan. 14	42	47.81	5.95	Oct.	2.77	Dec.	42.7	142	141	91^{a}	133	w.
Grafton	Taylor	1,000	37	...	93	July 28†	−10	Jan. 13	37	...	6.17	Oct.	...	...	...	...	...	...	...	w.
Horner	Lewis	1,044	...	...	...	...	...	...	6	54.10	8.10	Nov.	1.90	June	...	116	...	...	...	...
Horton	Randolph	2,840	...	...	...	...	...	...	4	51.87	9.93	Oct.	2.03	Aug.	105.8	133	144	19	202	w.
Janelew (near)	Lewis	1,020	6	54.0	93	July 7†	−15	Jan. 14	6	40.65	5.55	May	1.35	Jan.	32.8	93	177	77	111	sw.
Lost Creek	Harrison	1,026	32	52.5	95	Sept. 8	−16	Jan. 14	32	45.36	5.24	Apr.	1.90	Dec.	36.3	129	150	69	146	w.
Mannington	Marion	985	27	51.4	89	July 28†	−15	Jan. 14	27	45.26	6.96	May	1.76	July	41.3	162	124	84	157	w.
Morgantown	Monongalia	1,250	37	53.1	95	July 31	−6	Jan 14	55	43.10	6.59	May	1.27	Mar.	...	96	35	117	213	s.
New Cumberland	Hancock	671	32	49.9	97	July 27	−4	Feb. 20	32	44.55	7.08	May	2.00	Aug.	34.5	169	111	77	177	s.
New Martinsville	Wetzel	634	36	54.0	96	June 18	−7	Jan. 14	36	45.84	5.72	Oct.	2.20	Mar.	24.0	110	146	71	148	s.
Parkersburg	Wood	638	41	53.9	93	July 24	−4	Jan. 14	41	42.14	5.02	May	2.35	Aug.	34.2	167	102	77	186	sw.
Parsons	Tucker	1,649	30	...	89	July 9	−16	Jan. 14	30	...	...	...	3.03	Sept.	...	...	...	...	...	...
Parsons (No. 2)	Tucker	1,649	...	...	...	...	...	...	3	49.77	6.64	Apr.	1.81	Dec.	39.2	153	149	92	124^{a}	...
Philippi	Barbour	1,550	33	...	...	...	...	...	36	51.29	6.50	May	2.47	Jan.	...	145	...	...	...	...
Pickens	Randolph	2,697	27	47.6	90	Aug. 22	−19	Jan. 14	39	73.92	9.16	Oct.	3.82	Sept.	124.2	149	151	75	139^{a}	w.
Roanoke	Lewis	1,050	...	...	...	...	...	...	6	46.83	5.43	Oct.	2.44	Jan.	37.6	139	169	75	121	...
Rowlesburg	Preston	1,375	...	...	...	...	...	...	44	51.55	7.57	May	2.34	Feb.	...	150	...	...	...	...
Saint Marys	Pleasants	577	...	...	...	...	...	...	20	45.31	5.59	Oct.	2.59	Mar.	30.5	150	...	...	...	...
Terra Alta	Preston	2,559	30	47.8	88	Sept. 7	−9	Jan. 14	30	53.20	8.21	Oct.	1.66	Feb.	57.1	158	47	120	198	sw.
Thomas	Tucker	1,112	...	...	...	...	...	...	...	...	7.77	Oct.	...	...	...	...	...	...	...	...
Valley Chapel	Lewis	1,011	6	53.9	95	July 28	−12	Jan. 14	6	41.46	5.80	Oct.	1.80	June	41.5	114	160	107	98	w.
Wellsburg	Brooke	668^{a}	29	50.9	92	May 30†	−9	Jan. 16	37	48.40	6.19	May	1.47	Feb.	28.0	126	151	95	119	w.
West Milford	Harrison	979	...	...	...	...	...	...	3	45.11	5.56	Oct.	2.52	Dec.	...	89	...	...	...	...
Weston	Lewis	1,026	34	...	95	Aug. 1	...	...	40	43.34	6.02	Oct.	2.01	June	...	109	...	...	...	...
Wheeling	Ohio	645	43	...	98	June 18†	−8	Jan. 14	45	46.57	5.81	May	2.20	Mar.	30.5	154	...	...	...	sw.
Woodlands	Marshall	637	...	...	...	...	...	...	3	46.93	6.49	Oct.	2.29	Mar.	21.8	150	92	136	137	sw.
SOUTHERN DIVISION																				
Arbovale	Pocahontas	2,734	...	...	...	...	...	...	5	40.91	6.79	May	0.73	Sept.	44.0	146	175	71	119	w.
Bancroft	Putnam	574	26	54.0	93	July 29†	−3	Jan. 14†	26	48.46	7.35	May	2.04	June	40.2	128	213	0	152	ne.
Bluefield	Mercer	2,563	34	52.8	87	July 8†	−5	Nov. 30	34	45.11	7.05	Oct.	1.57	Sept.	40.8	148	...	...	...	...
Camden-on Gauley	Webster	2,029	...	...	...	...	...	...	12	...	11.14	May	...	...	...	...	...	...	...	...
Charleston	Kanawha	600	26	57.0	103	July 12	2	Jan. 14	44	41.64	6.36	May	1.32	Aug.	...	121	165	0	200^{a}	...
Clay	Clay	706	...	...	...	...	...	...	13	47.17	6.81	July	1.76	Sept.	44.3	159	...	...	...	...
Dam 6 G. K.	Kanawha	598	...	...	...	...	...	...	4	40.92	5.95	May	1.96	Aug.	...	116	...	...	...	...
Dam 19 O. R.	Wood	600	...	...	...	...	...	...	12	44.68	5.93	May	1.85	Dec.	...	142	...	...	...	...
Dam 20 O. R.	Wood	600	...	...	...	...	...	...	12	42.48	5.51	Oct.	2.21	Dec.	...	146	...	...	...	...
Dam 25 O. R.	Mason	565	...	...	...	...	...	...	3	44.00	5.62	May	1.56	June	...	142	...	...	...	...
Dam 26 O. R.	Mason	564	...	...	...	...	...	...	13	39.87	5.39	May	1.95	Dec.	...	131	...	...	...	...
Gary	McDowell	1,426	11	53.9	91	June 23	1	Dec. 1	12	50.28	7.43	June	1.26	Sept	20.0	153	...	...	...	...
Hinton	Summers	1,431	33	53.2	96	Sept. 2	1	Nov. 30	34	43.35	6.85	Oct.	0.91	Sept.	...	152	160	50	155	...
Huntington	Cabell	538	34	57.4	97	Sept. 5	−1	Jan. 14	35	47.19	6.32	May	2.12	Dec.	33.7	150	82	136	147	sw.
Kanawha Falls	Fayette	618	...	...	...	...	...	...	12	45.53	7.11	July	1.71	Dec.	...	116	...	...	...	...
Kayford	Kanawha	1,335	...	...	...	...	...	...	12	60.95	10.23	Oct	2.02	Dec.	63.7	178	...	...	...	...
Kermit	Mingo	579	...	...	...	...	...	...	4	47.26	7.14	May	2.23	Sept	...	107	...	...	...	...
Lewisburg	Greenbrier	2,250	29	51.5	90	July 9	−2	Feb. 3	37	42.43	6.54	Oct.	0.70	Sept	35.0	112	165	80	120	nw.
Logan	Logan	700	23	...	...	...	...	...	25	46.13	6.03	May	1.49	Sept.	...	...	...	...	...	...
Marlinton	Pocahontas	2,131	30	47.0	88	July 30	−6	Feb. 3†	30	57.55	8.28	May	1.86	Sept.	44.5	134	66	214	85	sw.
Point Pleasant	Mason	595	36	54.3	104	July 29	1	Jan. 14	39	47.95	7.36	May	1.98	June	...	139	131	74	160	sw.
Ravenswood (Dam 22.)	Jackson	584	6	54.4	97	June 24	−6	Feb. 23	14	42.46	5.83	May	2.15	June	...	129	148	0	217	nw.
Robertsburg	Putnam	570	29	53.8	96	Sept. 5	−7	Jan. 14	29	42.96	6.22	July	1.79	Dec.	...	135	169	5	191	...
Ryan	Roane	700	26	51.3	95	Sept. 2†	−15	Feb. 23	26	46.53	5.71	Apr.	1.98	Dec.	44.0	153	127	96	142	...
Sharples	Logan	869	...	...	...	...	...	...	9	42.50	5.67	July	1.40	Aug.	...	97	...	...	...	...
Spencer	Roane	784	24	53.3	93	June 22	−10	Jan. 14	31	49.37	6.04	May	2.71	Sept	44.0	134	75	142	148	...
Sutton	Braxton	850	25	54.3	93	July 28	−7	Jan. 14	25	62.23	7.15	May	3.00	June	71.0	150	214	0	151	...
Union	Monroe	2,250	25	53.2	92	Sept. 3†	−1	Nov. 30	25	46.73	7.70	Oct.	1.15	Sept.	42.5	117	...	...	...	...
Wayne	Wayne	598	...	...	...	...	...	...	4	52.75	7.47	May	2.17	Dec.	...	141	...	...	...	...
White Sulphur Springs	Greenbrier	1,914	19	51.0	92	July 8†	−4	Feb. 2	19	34.75	5.20	Oct.	0.80	Sept.	...	100	256	19	90	...
Williamson	Mingo	660	29	...	98	July 28	3	Feb. 7	29	68.12	9.46	July	2.31	Sept.	46.1	166	152	1	212	ne.
State averages and extremes		...	...	52.7	104	July 29	−19	Jan. 14	...	46.70	11.14	May	0.59	Dec.	44.5	133	142	77	146	w.

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^{a} 1 day interpolated from nearby stations, ^{b} 2 days, etc.

* Also August

† And other dates

Monthly and Annual Mean Temperatures for the Year 1929, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
PANHANDLE DIVISION																										
Bayard	27.6	−0.4	26.8	−0.6	42.8	+5.1	^{a}50.9	+3.2	56.2	−0.6	62.8	−0.5	66.8	−0.8	63.8	−2.2	61.5	+1.5	48.8	0	39.8	+1.6	31.2	+5.7	48.5	+1.0
Brandywine	29.3	−0.5	29.2	−4.8	43.9	+1.5	54.4	+4.6	59.1	0	66.4	−1.5	70.6	−0.3	70.1	0	66.5	+1.5	53.1	−0.4	43.5	+1.5	35.5	+1.4	51.8	+0.2
Martinsburg	^{a}30.8	+0.3	^{a}30.3	+0.3	^{a}46.6	+5.3	^{a}54.4	+1.9	^{a}61.0	−2.1	^{a}70.8	0	^{a}71.9	−0.4	^{a}71.6	−1.4	^{a}68.6	+2.5	^{a}51.7	−2.9	^{a}44.8	+2.1	^{a}34.6	+1.9	53.3	+0.6
Moorefield	33.3	+1.4	32.5	+0.2	50.3	+6.4	58.1	+3.3	61.4	−1.9	69.2	−0.4	74.3	0	73.8	+0.2	68.2	+1.5	^{a}55.4	−0.2	^{a}45.3	+1.6	^{b}37.8	+4.7	55.0	+1.4
Piedmont	28.4	−1.3	29.3	−3.0	46.2	+4.0	54.6	+3.5	60.2	+0.4	68.3	−0.5	72.0	0	68.6	−1.8	66.6	+1.5	50.3	−3.2	41.2	+1.4	34.8	+2.0	51.7	+0.2
Romney	^{a}30.4	−0.5	^{a}30.8	−1.4	^{d}47.7	+5.1	^{d}51.7	+3.1	^{d}61.8	−1.2	^{c}69.9	0	^{g}74.0	−0.9	^{c}71.2	−1.7	^{b}67.4	+1.3	54.0	−1.2	^{h}43.6	+0.9	^{c}35.1	[illegible]	53.4	+0.5
Upper Tract	^{b}31.4	−1.9	31.2	−1.0	^{c}47.3	+4.4	^{b}55.2	+4.1	^{d}59.6	−0.8	^{c}66.4	−1.5	71.0	−1.0	^{a}71.2	0	^{a}66.0	+0.5	^{a}49.9	−5.6	42.8	−0.8	36.4	+2.8	52.4	−0.1
Wardensville	....	....	^{f}30.8	....	....	....	^{a}60.9	....	^{a}58.0	....	^{a}66.3	....	^{a}75.1	....	^{a}70.3	....	^{g}63.6	....	....	....	^{f}46.0	....	....	....	....	....
NORTHERN DIVISION																										
Bens Run	31.6	−0.5	29.8	−2.0	47.3	+4.1	56.9	+4.7	61.7	−1.5	70.8	+0.5	75.1	+0.1	70.6	−3.2	68.8	+1.1	54.6	−2.1	43.2	−0.1	37.2	+3.8	51.0	+0.4
Brownsville	32.8	....	31.2	....	47.3	....	56.7	....	62.1	....	^{c}69.4	....	73.0	....	68.8	....	66.8	....	54.2	....	45.6	....	38.0	....	53.8	....
Buckhannon	32.2	+0.6	30.0	−1.5	46.5	+4.9	54.7	+3.6	59.3	−2.6	66.2	−2.4	70.2	−1.8	66.4	−3.9	65.2	+1.2	52.0	−1.4	43.4	+2.0	37.8	+4.8	52.0	+0.3
Cairo	31.3	−3.6	28.7	−3.8	46.4	+1.1	56.4	+1.6	61.6	−2.2	69.0	−1.5	^{a}73.3	−0.9	....	....	....	....	....	....	....	....	....	....	....	....
Clarksburg	30.2	....	28.0	....	43.7	....	54.2	....	60.8	....	69.0	....	73.6	....	68.6	....	67.0	....	51.6	....	41.3	....	35.7	....	52.0	....
Creston	33.0	−0.4	30.3	−2.4	48.3	+4.1	^{g}58.0	+5.0	62.4	−1.1	68.8	−1.8	73.5	−1.1	69.6	−3.8	66.6	−0.5	53.7	−2.1	44.0	+0.3	38.2	+4.3	53.9	0
Elkins	31.2	+0.8	28.6	−3.0	44.4	+4.4	52.6	+3.8	57.6	−1.6	64.5	−2.4	68.6	−1.7	65.3	−3.8	62.9	−0.1	49.4	−2.9	40.8	+0.5	36.5	+3.8	50.2	−0.2
Fairmont	30.0	−1.9	29.8	−2.3	46.2	+4.2	56.3	+4.6	^{a}62.4	−0.1	^{a}71.0	+0.3	74.7	+0.7	70.0	−2.7	^{a}67.6	+0.7	53.4	−1.5	42.0	−0.4	36.8	+3.6	53.4	+0.4
Glenville	33.8	+0.7	31.7	−2.0	48.6	+4.3	58.6	+5.2	63.4	−0.1	70.4	−0.4	74.5	−0.5	72.8	−0.2	69.4	+1.7	55.0	−1.0	44.6	+1.0	39.2	+4.2	55.2	+1.1
Grafton(near)	^{a}26.8	−5.9	....	....	....	....	^{a}52.8	+1.5	^{a}58.2	−3.9	^{a}67.8	−1.4	^{c}70.2	−2.6	....	....	....	....	^{a}50.7	−4.9	^{a}40.0	−2.4	^{a}35.8	+2.9	....	....
Janelew	33.0	....	30.9	....	48.6	....	57.9	....	62.4	....	68.6	....	73.4	....	69.2	....	67.1	....	54.0	....	44.2	....	39.1	....	54.0	....
Lost Creek	31.5	−1.2	29.0	−2.0	46.4	+3.7	55.4	+5.2	60.4	−0.7	67.8	0	72.5	−0.3	68.0	−3.0	67.0	+2.1	52.6	−2.2	42.2	0	37.6	+3.8	52.5	+0.4
Mannington	31.2	0	28.5	−2.4	45.4	+2.5	54.2	+3.0	59.2	−0.8	66.4	−1.7	70.4	−1.6	66.2	−4.7	64.7	+0.1	51.8	−2.7	41.8	+0.5	36.8	+4.3	51.4	+0.3
Morgantown	31.3	−0.6	30.2	−1.1	47.7	+5.7	55.6	+4.4	61.1	−2.4	^{a}68.9	−1.1	^{a}73.8	+0.1	^{a}68.9	−3.4	^{a}67.6	+0.4	52.8	−2.7	42.4	−1.0	37.3	+3.8	53.1	+0.2
New Cumberland	^{a}26.8	−1.4	^{a}26.0	−1.7	^{a}42.6	+2.6	^{a}51.6	+2.3	^{a}57.6	−3.1	^{a}65.9	−2.0	^{a}71.8	−1.0	^{a}67.2	−3.7	^{a}65.9	+1.0	^{a}50.2	−4.3	^{a}40.0	−1.3	^{n}32.9	+2.1	49.9	−0.9
New Martinsville	31.9	−0.9	30.8	−1.4	48.2	+4.6	56.6	+3.3	62.2	−1.4	68.9	−2.5	74.5	−0.8	70.1	−4.0	68.8	+2.2	54.9	−2.1	43.4	−1.1	37.4	+2.6	54.0	−0.1
Parkersburg	31.2	−1.3	30.2	−4.0	48.4	+5.6	57.2	+3.8	61.6	−2.2	69.9	−1.5	74.8	−0.6	70.2	−3.7	68.0	+0.7	54.6	−1.5	43.2	−0.6	37.4	+2.2	53.9	−0.3
Parsons	31.7	+0.5	29.9	+0.2	45.3	+5.4	53.6	+4.9	57.8	−1.3	^{c}65.4	−0.7	69.7	−0.4	67.1	−2.1	63.7	+0.8	....	....	41.6	+0.7	37.3	+6.1	....	....
Philippi	....	....	....	....	....	....	....	....	59.5	−2.2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Pickens	28.1	−2.8	27.4	−2.6	41.9	+2.2	^{a}50.4	+2.2	55.2	−3.2	61.6	−3.5	66.6	−2.3	62.2	−4.5	61.0	+0.7	46.8	−5.6	37.6	−5.0	32.4	+0.3	47.6	−2.0
Terra Alta	25.6	−2.0	26.2	−1.6	42.8	+3.8	50.4	+3.2	56.0	−3.0	^{a}63.0	−2.8	66.6	−2.5	63.0	−4.9	61.3	−1.0	46.6	−5.3	38.6	−2.9	33.2	+3.2	47.8	−1.3
Valley Chapel	33.2	....	31.4	....	48.0	....	57.2	....	61.9	....	69.2	....	73.5	....	68.7	....	67.0	....	53.2	....	45.0	....	39.0	....	53.9	....
Wellsburg	28.4	−1.3	27.3	−0.2	44.9	+5.7	54.2	+5.6	59.4	−1.1	67.2	−0.4	71.6	−0.2	66.4	−4.0	65.2	+1.0	51.4	−2.7	40.2	−1.1	34.6	+3.6	50.9	+0.4
Weston	....	....	....	....	....	....	57.2	+4.7	....	....	....	....	73.6	−0.7	69.6	−3.4	67.4	+0.6	54.1	−1.3	45.3	+2.0	35.6	+3.6	....	....
Wheeling	27.0	−3.1	27.8	−3.0	45.4	+4.1	....	....	59.6	−3.3	69.0	−1.9	73.5	−1.4	68.4	−5.0	^{a}67.2	+0.8	52.2	−3.4	39.0	−3.1	33.0	+1.1	....	....
SOUTHERN DIVISION																										
Bancroft	^{a}32.9	−1.5	29.3	−4.3	47.2	+2.7	56.8	+3.3	63.2	−0.6	70.0	−0.9	74.2	−0.6	70.8	−2.8	67.4	−0.9	54.5	−2.9	43.6	−0.9	37.6	+2.7	54.0	−0.6
Bluefield	^{e}35.0	+0.5	^{e}33.0	−0.9	^{e}48.4	+4.1	^{d}56.0	+2.8	^{e}60.2	−1.7	^{e}67.1	−1.7	^{e}70.2	−1.3	^{d}68.1	−2.8	^{f}63.8	−1.9	^{d}50.2	−5.8	^{e}42.6	−1.8	^{f}39.0	+3.8	52.8	−0.6
Charleston	35.8	−2.7	34.2	−4.2	50.1	+1.4	59.9	+3.3	65.0	−0.9	72.8	−0.3	77.3	+0.4	74.6	−1.0	71.2	+1.1	56.9	−2.4	46.1	−2.1	40.6	+1.1	57.0	−0.5
Gary	33.8	....	31.0	....	48.0	....	56.2	....	62.7	....	^{h}68.6	....	72.4	....	70.2	....	67.4	....	53.0	....	45.2	....	38.2	....	53.9	....
Hinton	31.3	−2.9	31.7	−2.3	43.4	0	^{a}54.0	+1.1	61.8	−2.0	70.2	−0.3	75.2	+1.1	71.9	−1.8	66.4	−1.2	^{a}54.0	−0.6	^{a}43.3	−0.7	35.8	+0.9	53.2	−0.7
Huntington	35.2	+2.4	33.4	+0.8	52.6	+8.0	61.4	+7.4	66.2	0	72.7	0	76.5	+0.1	73.2	−1.6	71.5	+3.3	57.7	0	47.4	+3.8	41.0	+6.6	57.4	+2.6
Lewisburg	32.1	+0.2	30.2	+0.2	45.7	+3.7	54.5	+3.4	59.4	−1.2	65.5	−1.7	69.8	−1.2	66.9	−3.0	64.2	+0.1	51.2	−2.4	43.0	+1.5	35.5	+3.3	51.5	+0.2
Marlinton	26.0	−1.3	25.6	−4.0	40.7	+2.4	50.1	+2.3	55.7	−1.3	63.1	−1.4	66.0	−1.6	63.2	−3.2	59.3	−1.1	45.8	−4.0	38.0	+0.4	31.0	+1.6	47.0	+0.9
Point Pleasant	30.8	−2.8	30.4	−3.2	46.9	+1.5	55.6	+0.7	60.7	−4.5	70.0	−2.4	74.0	−2.4	^{i}74.6	0	70.0	+0.8	55.9	−1.7	45.2	+0.2	37.2	+2.0	54.3	−1.0
Ravenswood(Dam 22)	32.2	....	30.2	....	49.6	....	58.6	....	63.0	....	68.8	....	74.2	....	71.0	....	68.6	....	55.1	....	41.2	....	37.2	....	54.4	....
Robertsburg	32.3	−1.1	28.0	−4.9	47.5	+2.9	57.6	+4.7	63.1	−0.8	69.5	−1.8	74.7	−0.7	70.6	−3.8	68.6	+0.5	54.2	−3.2	42.6	−0.6	36.8	+2.8	53.8	−0.5
Ryan	30.7	−1.6	27.4	−5.8	45.2	+1.3	54.7	+2.3	59.2	−2.9	66.6	−2.5	71.0	−2.3	67.4	−5.7	65.5	−0.5	51.8	−3.0	41.8	−1.1	34.4	+0.4	51.3	−1.0
Spencer	32.5	−1.1	29.4	−4.4	47.6	+4.7	57.2	+4.7	62.4	−0.2	67.4	−2.5	73.0	−0.6	68.6	−4.1	65.6	−0.3	^{a}53.2	−2.0	43.8	+0.4	^{a}38.4	+3.9	53.3	+0.1
Summersville	....	....	^{e}29.0	....	^{k}52.9	....	....	....	....	....	....	....	^{f}69.8	....	^{j}68.1	....	....	....	....	....	....	....	....	....	....	....
Sutton	33.4	−0.2	31.8	−2.8	48.8	+3.2	58.4	+5.1	62.2	−3.1	69.2	−3.6	73.2	−2.8	70.2	−5.6	^{d}69.0	+3.9	54.0	−4.5	45.2	+1.4	37.7	+4.1	54.3	−0.4
Union	^{d}34.7	+2.1	^{d}32.3	−0.8	^{e}48.7	+5.7	^{d}56.2	+5.6	^{d}62.2	0	^{e}68.1	+0.4	^{d}70.7	−0.3	^{d}69.7	−0.9	^{e}65.8	+0.7	^{d}51.6	−2.5	^{d}43.2	+2.1	^{e}35.6	+3.7	53.2	+1.3
White Sulphur Springs	^{a}30.7	−1.2	^{a}30.1	−3.5	^{a}46.4	+1.7	^{a}54.2	+3.0	^{a}60.6	0	^{a}66.0	−2.0	^{a}70.4	−0.2	^{a}67.1	−3.8	^{a}63.1	−1.1	^{a}48.8	0	^{a}40.2	−2.7	^{a}34.4	+1.0	51.0	−0.7
Williamson	^{a}37.3	+1.4	^{a}29.1	−7.0	^{a}54.1	+7.3	^{a}57.4	+2.4	^{a}65.2	−0.2	^{a}73.2	+1.0	^{a}77.8	+2.1	....	....	^{a}71.9	+1.6	^{a}57.6	−0.9	^{a}48.6	+3.4	^{a}34.6	−2.3	....	....

Reference letters indicate number of days missing; ^{a} one day, ^{b} two days, etc.

THE WEATHER BY MONTHS

Continued from page 49

March: March was warm. After the first few days the month was nearly continuously warm. The precipitation was slightly below the normal but the snowfall was above the normal. Practically all the snowfall was received during the last six days. The Ohio River was moderately high during the first ten days and crest stages slightly above the flood line occurred at Marietta and Point Pleasant.

April: April was warmer and considerably wetter than usual. The temperature was unusually high from the 5th to the 8th. The lowest temperatures occurred on the 2d, 19th, and 23d. Heavy rains over the eastern panhandle on the 15-17th, averaging about three inches, caused a moderate flood in the upper portion of the Potomac basin. The Ohio River was also at good stages during the month. The month was characterized by hail storms and high winds. Pastures and meadows were in excellent condition at the close of the month. On the 21st heavy hail and high wind caused considerable damage in portions of Randolph and Pocahontas Counties. On the 25th a severe hail and wind storm passed over Moundsville, damaging the United States Stamping Company plant to the extent of about $15,000.

May: May was cool and exceptionally wet. Rainfall in excess of seven inches was received at 16 stations Light to heavy frosts and freezing temperature occurred in many localities of the northern and mountain counties until the 17th. The apple and peach bloom was killed in many localities. On the 2d a severe wind storm caused considerable damage in Greenbrier County, and a destructive wind on that date partly destroyed from 30 to 40 small houses in the vicinity of North Morgantown.

June: June was cool and dry. Light to heavy frost occurred in localities on the 4th and 5th. The lowest June temperature of State record, 28°, was noted on the 4th. There was much clear weather during the month. Crops made good growth during the last half of the month.

July: July was also cool and dry. The streams were low and the drought quite severe over the northern counties, especially over the eastern panhandle. Crops generally made good growth. Some fields of corn were knocked down by high winds during thundersqualls A severe wind storm on the 25th caused much damage to the Marietta Manufacturing Company plant in North Point Pleasant.

August: August was also cool and dry. The temperature was much below the normal on the 4-6th, 15-16th, and from the 27th to the close of the month, with lowest readings on the 16th and 31st. The condition of corn was generally good at the close of the month. The potato crop was severely reduced by drought.

September: Considering the weather, September was nearly a normal month. The severe drought continued over the extreme eastern and southeaster counties. The temperature was low on the 19th, giving light to killing frosts. As an average, there were 15 clear days.

October: October was cool and exceptionally wet. With the exception of 1925 the precipitation was the greatest of October State record. Much corn was washed from low bottoms along the streams and rivers by high water. The apple crop was secured under favorable conditions. Winter grains were good at the close of the month. The Little Kanawha River was slightly above the flood stage at Glenville on the 3d.

November: November was wet. While the temperature averaged practically normal, the temperature on the 30th was the lowest of November State record. At Parkersburg the temperature was 11° below the previous November temperature record; at Elkins, 8°. Excessive rains on the 17-18th caused high stages in the rivers, but a flood stage was not reached.

December: December was warm and dry. The low temperature period in November continued over December 1, but there was no cold weather after that date. The precipitation was slightly more than two-thirds of the normal, but the snowfall was the heaviest of December State record, except for 1910 and 1914. The greater portion of the snow was received on the 22-23d. The ground was practically bare in the agricultural districts during the cold weather on the 1st.

ERRATA

The following data should be substituted for those published in reports for 1929:

January —Wheeling, make days with rain 15.

April.—Lost Creek, make total precipitation 5.54 and days with rain 10.

August.—Bayard, make total precipitation 4.04 inches.

November.—Jane Lew, make total precipitation, 4.39 inches and number of days with rain 13.

December.—Bluefield, make precipitation on 26th .16 inch.

(WBO, Cleveland, 3-11-30—1150)

Monthly and Annual Precipitation for the Year 1929, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
PANHANDLE DIVISION																										
Bayard	7.48	+2.28	5.24	+1.85	6.19	+1.73	8.68	+1.79	7.99	+3.49	8.92	+3.87	4.57	−0.43	4.04	−0.48	3.99	+0.24	9.41	+5.96	7.81	+4.97	4.49	+0.52	78.81	+28.79
Brandywine	1.60	−0.85	2.80	+1.07	2.45	−0.43	4.05	+1.41	3.80	+0.84	2.80	−0.46	1.25	−2.38	1.35	−1.73	1.40	−1.18	5.75	+3.83	3.90	+2.11	1.05	−0.79	32.20	+1.44
Harpers Ferry	2.21	−0.46	3.09	+0.67	2.74	−0.20	6.09	+3.12	4.16	+0.43	2.88	−0.77	3.65	+0.19	1.25	−2.62	1.32	−1.47	10.93	+7.98	2.60	+0.33	2.29	−0.32	43.12	+6.88
Martinsburg	2.47	−0.12	2.59	+0.16	3.61	+0.31	5.77	+2.73	2.68	−1.32	3.38	+0.71	1.10	−2.68	2.07	−1.74	1.95	−0.92	9.18	+6.62	3.65	+1.42	2.51	−0.22	40.99	+4.95
Moorefield	1.61	−0.89	2.70	+0.35	2.71	+0.06	4.93	+2.10	4.00	+0.48	2.31	−1.56	2.21	−1.21	1.57	−1.59	2.01	−0.67	4.91	+2.73	2.60	+0.96	0.71	−1.49	32.30	−0.73
Perry	1.05	......	2.11	......	2.68	......	5.75	......	3.41	......	1.40	......	4.34	......	3.67	......	2.49	......	7.21	......	......	......	......	......	......	......
Piedmont	2.34	−0.36	2.45	−0.21	2.13	−0.87	7.40	+4.38	4.00	+0.60	3.31	−0.24	1.22	−2.47	1.79	−1.80	1.63	−0.73	5.22	+2.42	2.55	+0.55	1.14	−1.36	35.18	−0.09
Romney	1.27	−1.42	2.09	−0.09	2.63	−0.39	6.72	+3.86	2.25	−1.50	2.88	−1.03	1.64	−1.98	1.14	−2.85	1.92	−0.84	6.53	+4.15	1.74	−0.22	2.27	−0.15	33.08	−2.46
Stony River Dam	3.21	......	3.17	......	3.36	......	8.78	......	8.76	......	2.32	......	1.59	......	1.22	......	1.89	......	9.55	......	4.44	......	3.49	......	51.78	......
Upper Tract	......	......	2.92	+1.34	1.62	−0.68	3.20	+1.18	3.80	+0.82	3.40	−0.23	0.80	−2.88	0.77	−2.58	0.71	−1.68	6.35	+4.35	2.34	+0.81	0.59	−1.39	......	......
Wardensville	......	......	2.72	......	......	......	1.00	......	0.16	......	1.50	......	1.01	......	0.14	......	0.57	......	9.05	......	3.20	......	1.38	......	......	......
NORTHERN DIVISION																										
Aberdeen	2.35	......	2.95	......	3.97	......	4.80	......	4.81	......	2.57	......	4.52	......	2.25	......	3.81	......	6.46	......	4.83	......	2.25	......	45.60	......
Alma	2.46	......	2.58	......	2.69	......	4.12	......	4.92	......	4.04	......	3.19	......	4.38	......	1.90	......	4.56	......	3.97	......	2.13	......	43.94	......
Alpena	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	3.81	......	......	......
Bens Run	3.12	−1.29	2.83	−0.36	2.19	−1.95	3.85	−0.23	5.00	+0.47	3.57	−0.95	3.63	−0.92	4.97	+0.73	3.48	+1.13	5.71	+2.60	5.10	+2.25	3.39	−0.37	46.84	+1.11
Benson	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	2.23	......	......	......
Brownsville	2.31	......	3.15	......	3.93	......	3.29	......	4.82	......	1.69	......	3.63	......	4.35	......	4.08	......	5.79	......	5.39	......	2.02	......	15.45	......
Bruceton Mills	4.23	−1.03	......	......	......	......	5.27	+1.57	4.50	+0.09	3.83	−0.75	2.90	−2.40	4.72	+0.07	2.17	−1.35	10.47	+6.69	4.42	+1.77	5.59	+1.99	......	......
Buckhannon	2.53	−1.98	3.94	+0.07	3.41	−1.11	5.02	+0.76	5.41	+0.81	3.24	−1.65	3.74	−1.58	2.11	−1.96	4.83	+1.70	5.91	+2.45	4.74	+1.28	3.02	−0.99	47.93	−2.17
Cairo	2.82	−1.73	2.57	−0.91	3.02	−1.13	4.12	+0.44	5.84	+2.32	4.01	−0.80	4.25	+0.38	......	......	......	......	......	......	......	......	......	......	......	......
Clarksburg	2.36	......	3.07	......	2.39	......	4.58	......	6.20	......	4.35	......	3.18	......	2.59	......	4.21	......	4.58	......	4.55	......	2.74	......	45.13	......
Cortland	......	......	2.81	−1.08	2.72	−1.43	5.16	+1.51	7.61	+2.52	2.01	−2.77	3.23	−2.77	1.91	−2.23	3.29	−0.16	......	......	......	......	......	......	......	......
Crawford	2.31	......	2.92	......	4.15	......	4.13	......	6.12	......	2.65	......	2.89	......	4.40	......	4.70	......	6.00	......	4.52	......	2.44	......	47.23	......
Creston	2.87	−0.98	3.28	+0.39	3.13	−0.59	3.70	−0.31	5.81	+1.90	1.92	−2.35	2.51	−1.51	3.35	−0.10	2.72	+0.14	5.75	+2.74	4.51	+2.00	2.61	−0.72	42.45	+0.61
Dam 10, Mon. R.	2.66	......	1.77	......	3.25	......	5.52	......	7.09	......	3.72	......	2.22	......	4.58	......	2.97	......	5.75	......	4.13	......	2.51	......	47.17	......
Dam 12, O. R.	3.98	+0.84	2.86	+0.63	2.42	−0.87	4.99	+1.97	5.59	+2.27	4.93	+1.24	3.93	+0.51	2.86	−1.91	2.10	−1.64	5.11	+1.94	4.11	+1.27	2.26	−0.75	45.17	+5.49
Dam 13, O. R.	3.21	−0.07	2.54	+0.22	2.13	−0.88	4.07	+1.06	5.50	+1.89	4.20	+0.70	2.11	−1.74	2.09	−2.44	3.90	+0.04	4.99	+1.95	3.64	+0.92	2.73	−0.57	41.11	+1.06
Dam 15, Mon. R.	2.77	......	2.42	......	2.59	......	4.59	......	5.42	......	2.96	......	2.39	......	3.53	......	2.52	......	5.12	......	3.68	......	1.88	......	39.94	......
Davis	4.98	−0.84	3.14	−0.99	4.05	−0.26	7.32	+3.35	6.97	+2.82	3.80	−1.12	4.36	−1.20	2.41	−2.57	5.72	+1.75	9.20	+5.05	5.39	+2.15	3.11	−1.68	60.25	+6.49
Elizabeth	3.20	−1.42	3.25	+0.70	2.65	−1.43	2.84	−0.78	4.81	+1.12	2.20	−1.62	1.12	−3.17	4.08	−0.29	3.21	+0.57	5.50	+1.75	4.71	+2.21	2.45	−0.85	40.06	−3.31
Elkins	3.21	−0.57	2.58	−0.50	3.42	−0.38	4.49	+0.87	8.09	+4.04	4.62	−0.44	5.26	−0.12	1.81	−2.05	3.28	+0.13	7.28	+4.37	4.55	+1.77	2.41	−1.05	51.00	+6.07
Fairmont	2.78	−1.17	2.85	−0.28	1.91	−2.08	4.71	+1.37	5.73	+1.83	2.88	−1.51	2.38	2.22	4.67	+0.98	2.85	−0.03	5.21	+2.35	3.59	+0.72	2.64	−0.75	42.21	−0.74
Glenville	2.99	−1.36	3.91	+0.21	4.35	+0.11	5.28	+1.51	5.33	+1.12	2.93	−1.51	3.41	−1.88	2.78	−1.13	2.93	−0.37	5.95	+2.90	5.18	+2.20	2.77	−0.92	47.81	+0.88
Grafton	1.22	−3.05	......	......	......	......	4.35	+0.66	5.54	+1.52	1.98	−2.61	1.69	−2.06	4.35	+0.45	3.30	+0.35	6.17	+3.01	2.56	−0.79	2.45	−0.86	......	......
Horner	3.40	......	4.02	......	3.75	......	5.05	......	6.48	......	1.99	......	4.45	......	4.05	......	4.40	......	6.65	......	5.10	......	2.47	......	51.10	......
Horton	4.12	......	2.86	......	2.66	......	5.05	......	7.55	......	3.76	......	3.63	......	2.03	......	3.78	......	9.93	......	3.98	......	2.54	......	51.87	......
Janelew	1.35	......	2.77	......	3.05	......	4.33	......	5.55	......	1.74	......	3.52	......	3.42	......	3.95	......	4.29	......	4.39	......	1.85	......	40.65	......
Lost Creek	2.42	−1.64	3.04	−0.42	2.91	−1.18	5.24	+1.88	4.59	+0.36	4.30	+0.11	4.89	+0.11	3.56	−0.48	2.93	+0.15	4.80	+2.07	4.75	+2.28	1.90	−1.59	45.36	+1.59
Mannington	3.67	−0.95	2.92	+0.13	2.81	−0.94	5.45	+1.51	6.95	+2.91	3.27	−0.85	1.75	−3.21	3.32	−0.60	2.95	−0.22	5.01	+2.07	4.30	+1.80	2.71	−0.81	45.26	+0.85
Morgantown	2.82	−0.91	2.55	−0.50	1.27	−2.32	5.03	+1.81	6.52	+3.03	3.43	−1.08	1.81	−3.17	4.30	+0.12	4.12	+0.95	5.10	+1.96	3.18	+0.30	2.89	−0.15	43.10	+0.03
New Cumberland	2.90	+0.08	2.92	+0.52	2.89	−0.34	5.35	+2.08	7.08	+3.74	2.29	−2.21	3.90	−0.22	2.00	−1.48	3.09	+0.01	4.69	+1.91	4.58	+2.26	3.06	+0.35	44.55	+6.70
New Martinsville	3.82	+0.08	2.50	−0.48	2.20	−1.45	4.75	+1.16	5.20	+1.46	2.80	−1.27	3.55	1.25	4.60	+1.10	2.30	+0.25	5.72	+2.84	4.60	+2.03	3.15	−0.41	45.81	+4.02
Parkersburg	2.57	−1.61	2.69	0.44	2.39	−1.19	2.84	−0.35	5.62	+1.64	3.31	−0.69	4.35	+0.06	3.87	+0.36	4.12	+1.36	4.34	+1.86	4.15	+1.59	2.48	−0.57	42.14	+2.73
Parsons	3.17	−1.30	3.46	+0.04	3.59	−0.47	6.34	+2.49	5.65	+1.75	5.27	−1.97	5.06	−0.06	3.69	−0.10	3.03	−0.09	......	......	6.74	+4.20	4.29	+1.01	......	......
Parsons (No. 2)	2.59	−2.18	2.42	−1.00	3.03	−1.03	6.64	+2.79	6.00	+2.10	3.50	−1.74	5.27	+0.25	3.62	−0.17	3.71	+0.62	5.89	+3.01	5.16	+2.37	1.81	−1.38	49.77	+3.64
Philippi	......	......	......	......	......	......	......	......	6.73	+2.45	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Philippi (No. 2)	2.47	−1.86	3.22	−0.15	3.42	−0.78	6.04	+2.11	6.50	+2.22	4.00	−0.52	5.58	+0.60	3.11	−0.64	3.11	−0.05	5.93	+3.05	4.82	+2.03	2.79	−1.04	51.29	+4.99
Pickens	6.67	0	4.21	−0.83	4.81	−0.94	6.34	+1.30	7.67	+2.31	6.61	+0.53	7.52	+1.15	5.65	+0.51	3.82	−0.11	9.16	+5.09	6.75	+2.88	4.64	−0.56	73.92	+11.39
Roanoke	2.41	......	3.21	......	3.77	......	4.01	......	5.09	......	2.44	......	3.82	......	4.76	......	4.30	......	5.43	......	4.94	......	2.53	......	46.83	......
Rowlesburg	3.38	−1.12	2.34	−1.07	3.61	−0.66	6.96	+2.92	7.57	+3.21	2.58	−2.44	3.27	−1.75	4.03	+0.16	3.16	+0.09	6.84	+3.61	5.98	+2.00	2.70	−1.17	51.55	+3.78
St. Marys	3.31	−1.25	2.87	−0.38	2.59	1.03	3.67	+0.23	4.98	+1.12	3.78	+0.01	3.17	−0.91	3.34	−1.42	3.88	+1.38	5.59	+2.19	4.51	+2.03	3.62	+0.12	45.31	+2.11
Terra Alta	3.98	−1.32	1.66	−2.11	2.81	−2.01	6.27	+2.25	6.27	+1.28	2.87	−4.11	4.38	−1.13	5.21	+0.22	4.47	+0.81	8.21	+4.59	4.43	+1.35	2.64	−2.52	53.20	−2.72
Thomas	......	......	......	......	......	......	......	......	......	......	......	......	6.65	......	3.21	......	3.81	......	7.77	......	5.99	......	4.34	......	......	......
Valley Chapel	2.41	......	2.52	......	2.79	......	4.56	......	5.03	......	1.80	......	3.43	......	2.92	......	3.76	......	5.80	......	4.43	......	1.93	......	41.46	......
Vandalia	2.27	......	3.29	......	3.31	......	3.93	......	5.37	......	2.34	......	4.23	......	3.56	......	......	......	......	......	......	......	......	......	......	......
Wellsburg	3.59	+0.19	1.47	−1.68	3.85	+0.62	4.50	+1.45	6.19	+2.65	3.89	−0.58	5.35	+0.04	3.06	−0.87	2.71	−0.48	5.52	+2.66	4.05	+1.62	4.30	+1.28	48.40	+6.90
West Milford	2.87	......	2.81	......	2.60	......	4.98	......	5.02	......	3.58	......	3.17	......	3.69	......	3.25	......	5.56	......	5.14	......	2.52	......	45.11	......
Weston	2.79	−1.38	3.63	−0.71	3.46	−1.01	4.79	+0.74	4.31	0	2.01	−2.54	3.60	−1.37	3.07	−0.86	3.15	+0.26	6.02	+2.91	4.84	−1.61	2.27	−1.13	43.34	−3.78
Wheeling	3.88	+0.72	2.60	+0.08	2.20	0.90	4.48	+1.35	5.81	+2.32	4.48	+0.67	4.47	−0.03	3.39	−0.29	2.49	−0.24	5.64	+3.08	4.55	+1.84	2.78	−0.23	46.57	+8.37
Woodlands	4.29	......	2.48	......	2.29	......	5.40	......	4.62	......	4.16	......	3.22	......	4.41	......	2.79	......	6.49	......	5.06	......	3.12	......	46.93	......
SOUTHERN DIVISION																										
Arbovale	3.28	......	2.16	......	3.27	......	3.35	......	6.79	......	3.80	......	2.30	......	2.84	......	0.73	......	6.05	......	4.38	......	1.96	......	40.91	......
Bancroft	3.62	−1.38	4.02	+1.11	4.25	+0.31	3.38	−0.45	7.35	+3.21	2.04	−2.59	7.22	+3.18	3.57	−0.85	2.12	−0.67	4.53	+1.44	4.42	+2.02	2.44	−0.91	48.46	+4.12
Bluefield	2.38	−0.84	4.65	+1.60	3.16	−0.50	3.57	−0.26	3.76	+0.12	5.80	+1.02	3.53	−0.94	3.42	−1.00	1.57	−1.03	7.01	+4.17	4.31	+2.03	1.91	−1.00	45.11	+3.51
Camden-on-Gauley	4.01	+0.23	......	......	6.65	+2.20	3.37	−0.16	11.14	+5.94	2.49	−2.65	10.61	+5.56	5.18	+0.39	3.79	+0.45	6.07	+3.13	4.55	+1.13	......	......	......	......
Charleston	2.96	−1.96	2.92	−0.66	4.38	+0.06	3.46	−0.27	6.36	+2.34	2.96	−2.37	3.56	−0.72	1.32	−3.20	2.36	−0.73	5.34	+2.40	5.14	+2.02	1.84	−1.67	41.64	−3.86
Clay	2.35	−1.30	3.26	−0.05	4.41	+0.61	3.49	+0.15	6.05	+1.92	2.50	−1.66	6.81	+2.62	3.95	−1.47	1.76	−1.70	6.57	+3.00	4.40	+1.01	2.09	−1.99	47.17	+1.14
Dam 6, G. K.	2.53	......	2.69	......	3.81	......	2.99	......	5.95	......	2.79	......	4.39	......	1.96	......	2.04	......	4.65	......	4.61	......	2.48	......	40.92	......
Dam 19, O. R.	2.60	−1.20	3.05	+0.48	3.09	−0.91	3.39	−0.27	5.93	+1.60	3.77	−0.16	3.27	−1.08	4.31	+0.22	3.88	+0.12	5.28	+1.91	4.25	+1.85	1.85	−1.57	44.68	−0.91
Dam 20, O. R.	2.76	−1.09	2.95	−0.06	3.36	−0.56	3.76	+0.28	5.27	+1.45	3.33	−0.55	3.06	−0.73	3.04	−1.57	2.29	−1.03	5.51	+1.92	4.94	+1.85	2.21	−1.55	42.18	−1.12
Dam 25, O. R.	3.10	......	2.65	......	3.89	......	3.52	......	5.62	......	1.56	......	5.02	......	5.04	......	2.45	......	4.50	......	4.35	......	2.50	......	44.00	......
Dam 26, O. R.	2.62	......	2.11	......	3.49	......	3.53	......	5.39	......	2.11	......	5.24	......	2.81	......	2.27	......	4.12	......	4.23	......	1.95	......	39.87	......
Gary	2.49	−1.57	4.07	+0.42	5.70	+2.16	3.47	−0.05	5.83	+1.76	7.43	+2.35	4.95	+0.67	5.02	+0.35	1.26	−2.19	3.92	+0.25	4.05	+1.11	2.09	−1.75	50.28	+3.51
Hinton	2.06	−1.15	3.81	+0.76	4.40	+0.35	2.57	−0.71	4.37	+0.60	5.76	+1.53	3.94	−0.01	2.40	−1.46	0.91	−1.85	6.85	+4.29	4.29	+2.09	1.99	−0.91	43.35	+3.53
Huntington	3.41	−0.49	3.02	−0.11	4.37	+0.04	2.81	−0.80	6.32	+2.31	4.78	+0.54	5.86	+1.65	2.90	−0.94	2.74	+0.02	5.26	+2.88	3.60	+0.81	2.12	−1.52	47.19	+4.39
Kanawha Falls	2.54	......	2.48	......	3.67	......	4.29	......	5.19	......	2.80	......	7.11	......	2.37	......	2.16	......	6.88	......	4.33	......	1.71	......	45.53	......
Kayford	3.46	−1.64	4.24	+1.36	4.74	−0.82	4.12	−0.40	7.75	+2.85	5.81	+1.20	7.24	+2.52	3.41	−0.45	2.74	−1.18	10.23	+6.78	5.19	+2.16	2.02	−1.43	60.95	+10.95
Kermit	3.59	......	3.95	......	4.83	......	2.77	......	7.14	......	3.66	......	4.02	......	2.69	......	2.23	......	5.55	......	4.57	......	2.26	......	47.26	......
Lewisburg	2.77	−0.76	3.55	+0.59	3.91	−0.05	4.03	+0.59	4.41	+0.77	3.07	−1.17	2.71	−1.37	3.66	+0.10	0.76	−2.13	6.51	+3.69	4.71	+2.25	2.37	−0.47	42.43	+2.64
Logan	3.43	−1.35	3.21	−0.69	5.08	−0.17	2.09	+2.71	6.03	+1.87	4.25	−1.16	5.81	−0.09	2.63	−1.02	1.49	−1.50	5.14	+2.39	4.74	+1.87	2.22	−2.35	46.12	+3.51
Marlinton	4.38	+0.30	4.26	+0.76	4.80	+0.50	4.16	+0.71	8.28	+4.34	4.95	+0.21	4.42	−0.89	4.26	−0.64	1.86	−1.24	6.37	+3.26	5.93	+3.03	3.85	−0.03	57.55	+10.31
Organ Cave	1.53	......	3.61	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Point Pleasant	2.95	−0.93	3.00	−0.42	4.23	+0.08	2.57	−0.71	7.36	+3.41	1.98	−2.32	5.70	+1.69	4.14	+0.88	3.59	+1.07	4.87	+2.28	4.87	+2.07	2.69	−0.74	47.95	+6.36
Powellton	......	......	1.87	−1.18	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Ravenswood (Dam 22)	3.13	......	2.47	......	3.55	......	3.04	......	5.83	......	2.15	......	4.09	......	3.66	......	2.87	......	4.65	......	4.67	......	2.35	......	42.46	......
Robertsburg	2.63	−1.37	3.14	+0.12	3.41	−0.67	2.36	−1.38	5.62	+2.02	2.72	−1.33	6.22	+2.88	3.77	+0.52	2.87	+0.56	4.29	+1.51	4.14	+1.77	1.79	−1.67	42.96	+2.96
Ryon	2.85	−1.37	3.40	+0.12	3.92	−0.40	5.71	+1.86	5.38	+1.68	3.91	−0.53	3.59	−0.97	3.11	−0.75	2.61	−0.15	5.65	+2.23	4.24	+1.76	1.98	−1.47	46.33	−2.01
Sharples	3.01	......	2.56	......	4.16	......	2.53	......	5.10	......	3.15	......	5.67	......	1.40	......	2.58	......	5.04	......	4.65	......	2.15	......	42.50	......
Spencer	2.80	−1.60	3.89	+0.85	3.69	−0.25	3.15	−0.48	6.04	+2.31	3.11	−1.21	5.07	+1.51	5.30	+2.66	2.71	−0.23	5.50	+2.29	4.12	+1.94	3.36	−0.01	49.37	+7.81
Summersville	......	......	1.13	......	......	......	......	......	......	......	......	......	......	......	2.76	......	......	......	......	......	......	......	......	......	......	......
Sutton	3.79	−1.23	4.09	+0.79	5.00	+0.97	5.10	+0.91	7.15	+2.66	3.00	−2.03	6.17	+1.00	5.75	+2.01	6.25	+3.09	6.65	+3.56	4.95	+0.99	4.35	+0.39	62.23	+12.11
Union	1.70	−1.91	4.80	+2.09	3.34	−0.40	3.50	+0.61	4.53	+1.77	5.01	+0.69	2.17	−2.45	3.76	−0.09	1.15	−1.45	7.70	+4.86	6.62	+4.63	2.45	−0.07	46.73	+8.28
Wayne	3.41	......	3.11	......	4.92	......	4.25	......	7.47	......	4.30	......	6.16	......	2.55	......	3.27	......	6.41	......	4.73	......	2.17	......	52.75	......
White Sulphur Springs	2.00	−0.58	1.97	−2.25	3.70	−1.42	3.85	+0.77	3.70	−0.17	3.20	1.36	2.50	−2.55	2.60	−1.06	0.59	−2.33	5.29	+2.38	3.90	+1.49	1.33	−1.83	34.75	−5.91
Williamson	4.16	−0.16	3.08	−0.07	6.34	+1.74	6.13	+2.24	9.45	+5.64	7.59	+3.26	9.46	+5.20	5.44	+1.90	2.31	−0.71	5.12	+2.36	5.91	+3.32	2.83	−1.01	68.12	+23.71

UNWE

ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVIII Parkersburg, W. Va., January, 1930 No. 1

GENERAL SUMMARY

January was warm and exceptionally dry, with the snowfall averaging somewhat below the normal. The month was nearly equally divided into warm and cold weather periods, the temperature being generally considerably above the normal until the 16th, when moderately cold weather set in and continued until the close of the month. The precipitation was less than one-half of the normal and was the lowest for January since 1897. The average January precipitation was more than two inches for all previous years of record, except two. There was light to moderate snow-cover during the colder periods of the month. The rivers were at low stages. Boating on the Ohio River was practically suspended from the 27th to the close of the month on account of floating ice. The conditions were generally favorable for winter grains and outdoor work.

TEMPERATURE

The monthly mean for the State, determined from 48 stations, was 34.0°. The departure from the normal for 40 stations having ten or more years of record was + 1.9°. The temperature was lowest from the 12th to the 20th and on the 23d-24th, the readings on the 19th and 23d ranging generally from near zero to about 10° below zero. The temperature was highest from the 7th to the 10th, inclusive.

PRECIPITATION

The average precipitation for the State, determined from 85 stations, was 1.86 inches. The departure from the normal for 56 stations having ten or more years of record was —1.96 inches. The greater portion of the precipitation was received on the 1st-3d, 8-9th, 12-13th, 17-18th, 22d, and 27-28th, the greatest amounts being measured on the 27-28th. Most of the snowfall was received on the 18th, 22d, 27th, and 30th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, 10th and 12th; Arbovale, 10th and 28th; Bancroft, 14th; Charleston, 14th; Huntington, 11th, 12th and 28th; Marlinton, 9th, 10th, 15th, and 28th; Pickens, 10th, 21st, and 22d; Terra Alta, 3d, 21st, 22d, and 28th; Wheeling, 20th; Williamson, 14th.

Halos, lunar: Bayard, 4th and 5th; Elkins, 9th and 12th; Huntington, 9th.

Sleet: Arbovale, 21st; Bayard, 28th; Elkins, 21st; Fairmont, 1th; Glenville, 27th; Grafton, 11th; Lost Creek, 10th; Marlinton, 21st; Martinsburg, 12th and 22d; Parkersburg, 10th; Roanoke, 22d.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.24	90	77	74	127.7	42	5,671	7.6	22	sw.	24
Columbus, Ohio	30.22	85	75	77	81.2	27	7,243	9.7	37	nw.	3
Elkins	30 26	81	64	72	100.6	33	3,845	5.2	26	w.	3
Lexington, Ky	30.27	88	78	....	110.7	36	9,428	12.7	33	s.	7
Parkersburg	30.26	81	63	69	61.2	20	4,196	5.6	22	w.	3
Pittsburgh, Pa	30.23	79	66	68	91 8	31	7,427	10.0	29	nw.	4
Wytheville, Va	30.25	82	67	72	122.0	40	4,042	5.4	24	nw.	3

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	31.7	......	......	3.64	......	......	......	......	......	......	......
1892	29.4	76	— 3	3.15	......	......	......	11	......	......	......
1893	22.6	71	—25	2.49	......	......	......	12	7	7	17
1894	36.6	70	— 8	2.41	4.23	0.83	......	9	12	8	11
1895	25 0	69	—21	4.48	6.53	2.37	......	13	6	9	16
1896	32 4	72	— 6	1.57	2.72	0.67	1.8	15	9	14	8
1897	28.8	69	—18	1.70	2.85	0.90	4.0	9	10	7	14
1898	37.1	75	— 5	5.10	8.04	2.24	5.0	12	6	9	16
1899	32.1	70	—21	4.05	7.01	2.05	7.5	11	10	7	14
1900	34.5	74	—10	2.24	3.60	0.82	1.9	10	9	8	14
1901	33.6	69	— 4	2.41	3.87	1.18	7.3	10	[illegible]	7	16
1902	30.2	64	— 1	3.65	8.52	1.45	9.8	9	9	7	15
1903	31.8	79	— 7	3.21	6.45	1.55	8.6	11	8	7	16
1904	27.5	72	—18	2.72	5.82	1.24	10.8	11	9	8	14
1905	26.4	70	—14	3.15	7.43	1.48	22.0	13	7	7	17
1906	38.2	80	— 5	3.79	8.70	1.36	5.1	9	11	7	13
1907	38.7	76	—15	6.41	11.54	2.35	5.6	14	6	7	18
1908	31 0	62	—16	2.92	8 19	0.50	12.8	11	12	7	12
1909	36.8	76	— 5	3.41	6.59	1.50	8.7	12	8	6	17
1910	32.0	67	— 5	5.68	10 10	2.52	15.4	11	6	6	19
1911	37.3	71	— 5	5.86	12.63	3.11	7.0	14	8	6	17
1912	23.5	66	—34	2.60	6.93	1.10	13.6	10	7	8	16
1913	40.7	74	9	6.23	10.53	1.84	5.7	13	9	6	16
1914	35.8	83	—11	3.18	5.65	1.55	15.6	10	7	6	18
1915	31.7	68	— 8	4.85	11 38	2.00	10.4	13	8	6	17
1916	38.8	79	—10	4.86	8.52	1.70	6.1	13	11	7	13
1917	33.2	77	— 9	4.66	7.67	1.72	8.3	12	11	6	14
1918	20.7	55	—27	4.24	9.22	2.00	21.5	14	8	5	18
1919	34.1	69	—16	3.79	6.66	1.60	6.9	8	16	4	11
1920	28.7	77	—11	4.12	7.26	0.40	3.9	11	8	6	17
1921	35.5	71	— 2	2.76	5.94	0.10	4.3	9	11	6	14
1922	30.2	68	—15	2.75	4.81	1.01	10.8	11	12	6	13
1923	35.2	68	— 1	4.46	7.60	1.13	4.4	14	7	5	19
1924	30.1	70	—15	4.62	7.14	0.62	1.8	10	13	5	13
1925	31.1	65	—27	3.81	7 07	1.32	15.8	13	11	4	16
1926	29.7	66	—23	3.71	7.74	1.78	13.3	11	8	5	18
1927	32.5	74	—14	4 08	9.58	0.10	5.9	14	6	5	20
1928	32 0	74	—14	2.18	4.55	0.12	4.0	8	11	7	13
1929	31.4	75	—19	2.92	6.67	1.05	6.1	12	7	5	19
1930	34.0	80	—13	1.86	3.60	0.58	7.0	12	8	6	17
1891-1930	32.0	83	—34	3.64	12.63	0.10	8.5	11	9	7	15

Climatological Data for January, 1930

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	29	29.8	+1.8	65	1†	−7	20	44	3.49	−1.60	1.07	22.0	16	8	2	21	nw.	U. G Clark
Brandywine	Pendleton	1,586	14	33.8	+4.0	70	9	−12	19	37	0.70	−1.75	0.30	6.0	3	13	0	18	s.	Elmer Keister
Harpers Ferry	Jefferson	244	41	.....	.....	.....	.....	...	.....	...	1.74	−0.93	0.60	13.5	7	.....	.....	.....	.....	J. C. Newcomer
Martinsburg	Berkeley	435	38	^{a}30.6	+0.1	70^{a}	9	−4	20	42^{a}	1.44	−0.77	0.28	15.0	12	19	9	3	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	34	36.5	+4.6	80	9	−11	19	44	1.22	−1.28	0.48	13.5	4	26	4	1	.....	M. S. Henkel
Perry	Hardy	.....	2	.....	.....	.....	.....	.....	.....	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. J. Leibold
Piedmont	Mineral	1,053	17	31.6	+1.9	64	9	3	20	33	1.73	−0.97	0.72	3.5	5	8	5	18	se.	C. A. Suter, Jr.
Romney	Hampshire	824	32	^{c}33.0	+2.1	78^{c}	9	2	20	49^{d}	0.73	−1.96	0.32	6.0	3	6^{b}	8^{b}	15^{b}	.....	George E. Bergdoll
Stony River Dam	Grant	3,300	10	.....	.....	.....	.....	.....	.....	...	1.04	.....	0.32	9.0	11	3	8	20	w.	A. C. Becker
Upper Tract	Pendleton	1,230	31	^{f}34.6	+1.3	67^{e}	13	.....	.....	31^{f}	0.58	−1.77	0.32	6.0	3	.....	..	.....	.....	J. M. Mallow
Wardensville	Hardy	1,200	13	.....	.....	.....	.....	.....	.....	.....	0.84	.....	0.32	8.0	4	6^{g}	8^{g}	10^{g}	.....	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	6	.....	.....	.....	.....	.....	.....	...	1.72	.....	0.34	3.5	13	3	9	19	w.	L Else Bond
Alma (near)	Tyler	.....	3	.....	.....	.....	.....	.....	.....	...	1.92	.....	0.38	7.2	17	4	7	20	.....	D. N. Furbee
Alpena	Randolph	2,571	0	32.0	.....	67	10	−6	19	42	1.79	.....	0.45	10.0	8	8	11	12	w.	Christian Hertig
Benson	Harrison	1,089	6	34.7	.....	70	9	−5	19	42	1.71	.....	0.40	4.0	13	8	12	11	.....	John A Clark
Bens Run	Pleasants	652	28	34.8	+2.7	69	9	1	19	37	2.45	−1.46	0.45	14.0	15	9	10	12	.....	I. D. Riggs
Brownsville	Lewis	1,032	7	35.2	.....	70	9	−6	19	44	1.68	.....	0.37	.....	13	7	8	16	.....	George M. Myers
Bruceton Mills	Preston	1,549	13	.....	.....	.....	.....	.....	.....	...	2.12	−3.14	0.83	3.0	8	5	15	11	sw.	Mrs Ola Wolf
Buckhannon	Upshur	1,411	33	35.5	+3.8	66	9†	−2	19	37	2.43	−2.08	0.80	3.0	9	8	7	16	.....	H. A. Darnall
Clarksburg	Harrison	1,015	8	32.4	.....	70	9	−3	19	46	1.54	.....	0.35	4.5	13	4	6	21	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	19	.....	.....	.....	.....	.....	.....	...	.....	.....		.....	.....	.....	.....	...	.....	G. W. Harmon
Crawford	Lewis	1,107	7	.....	.....	.....	.....	.....	.....	...	2.15	.....	0.68	2.8	10	8	14	9	w.	George W. Blair
Creston	Wirt	640	28	35.2	+1.8	73	9	1	20	42	2.53	−1.32	0.52	9.3	15	0	0	31	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	9	.....	.....	.....	.....	.....	.....	...	1.72	.....	0.36	.....	13	.....	.....	..	.....	Lockmaster
Dam 12 O. R.	Ohio	660	14	.....	.....	.....	.....	.....	.....	...	1.87	−1.27	0.40	.....	13	.....	.....	.....	.....	Lockmaster
Dam 13 O. R.	Ohio	655	14	.....	.....	.....	.....	.....	.....	...	1.79	−1.49	0.42	...	13	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	9	.....	.....	.....	.....	.....	.....	...	1.85	.....	0.38	8.5	18	.....	.....	.....	.....	Lockmaster
Davis	Tucker	3,093	21	.....	.....	.....	.....	.....	.....	...	1.60	−3.78	0.32	.....	15	.....	.....	.....	.....	Ross C. Male
Elizabeth (Dam 3 L.K.)	Wirt ††	615	18	.....	.....	.....	.....	.....	.....	...	2.55	−2.07	0.85	8.0	12	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,917	29	33.2	+2.8	70	1	−7	19	43	1.55	−2.23	0.39	6.2	15	3	8	20	w.	U. S. Weather Bureau
Fairmont	Marion	883	24	33.5	+1.6	69	7†	0	19†	42	2.11	−1.84	0.39	6.0	15	8	2	21	w.	J. C. Robinson
Glenville	Gilmer	738	36	36.6	+3.5	76	9	−4	19	45	2.20	−2.15	0.76	3.0	12	7	5	19	w.	Howard R. Brannon
Grafton	Taylor	1,000	37	^{a}31.9	0	69^{a}	13	−6	18	44^{a}	1.86	−2.41	0.61	5.5	7	6	5	20	w.	Curtis Boice
Horner	Lewis	1,044	7	.....	.....	.....	...	.....	.....	...	1.99	.....	0.59	.....	10	.....	.....	.....	.....	Foster R. Hardman
Horton	Randolph	2,840	5	.....	.....	.....	.....	.....	.....	...	1.20	.....	0.35	12.2	8	9	2	20	w.	J. W. White
Janelew (near)	Lewis	1,020	7	36.3	.....	71	9	−8	19	44	1.40	.....	0.30	2.5	8	10	6	15	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	32	34.7	+2.0	70	9	−5	19	46	1.59	−2.47	0.45	5.2	13	6	5	20	w.	Allen Smith
Mannington	Marion	985	27	33.6	+2.4	68	9	−4	19	39	2.14	−2.47	0.32	5.8	18	5	6	20	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	37	34.6	+2.7	67	1†	−1	19	41	1.29	−2.45	0.35	6.5	9	0	7	24	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	32	^{a}28.8	+0.6	62^{a}	8	−4	23†	38^{a}	2.95	+0.13	0.83	4.0	17	7	7	17	s.	C. H. Hesse
New Martinsville	Wetzel	634	36	35.1	+2.3	70	9	0	19	40	2.02	−1.74	0.40	5.0	11	6	7	18	n.	Wm. Ankrom
Parkersburg	Wood	638	43	34.4	+1.9	69	9	0	19	33	2.16	−1.42	0.48	7.4	18	4	5	22	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	30	34.0	+2.8	69	1	−5	19	46	2.70	−2.07	.....	3.5	10	7	6	18	.....	J. W. Swisher
Parsons No. 2	Tucker		4	.....	.....	.....	.....	.....	.....	...	.....	.....	.....	5.0	12	5	8	18	.....	Robert T. Deem
Philippi	Barbour	1,550	33	.....	.....	.....	.....	.....	.....	...	2.01	−2.32	0.55	2.9	9	.....	.....	.....	.....	Prof W. W. Thomson
Pickens	Randolph	2,697	27	30.0	0	64	9	−11	19	40	3.60	−2.95	1.05	20.0	15	8	6	17	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	7	.....	.....	.....	.....	.....	.....	...	1.40	.....	0.45	3.5	11	6	2	23	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	43	.....	.....	.....	.....	.....	.....	...	2.22	−2.28	0.64	6.0	16	.....	.....	.....	.....	Walter H. Bolyard
Saint Marys	Pleasants	577	21	.....	.....	.....	.....	.....	.....	...	2.33	−2.23	0.42	6.5	19	.....	.....	.....	.....	Wm. Hughes
Terra Alta	Preston	2,559	29	30.0	+2.2	64	14	−5	20	45	1.78	−3.52	0.39	7.7	14	1	6	24	w.	J. J. Shanahan, E. M.
Thomas	Tucker	1,112	1	.....	.....	.....	.....	.....	.....	...	1.61	.....	0.28	9.5	13	.....	.....	.....	..	H. L. Stiles
Valley Chapel	Lewis	1,011	7	36.4	.....	71	9	−3	19	39	1.51	.....	0.35	3.0	10	11	10	10	w.	J. C. Campbell
Vandalia	Lewis	1,120	7	.....	.....	.....	.....	.....	.....	...	1.96	.....	.....	.....	12	.....	.....	.....	.....	Creed H. McCue
Wellsburg	Brooke	668	23	31.5	+1.8	63	8	−9	23	37	2.69	−0.71	0.56	7.8	13	6	7	18	w.	George F. Pfister
West Milford	Harrison	979	5	.....	.....	.....	.....	.....	.....	...	1.68	.....	0.35	.....	8	.....	.....	.....	.....	Miss Dicie E. Wagner
Weston	Lewis	1,026	35	37.4	+4.0	68	1†	2	19	38	2.13	−2.04	0.50	.....	12	3	9	19	.....	Weston State Hospital
Wheeling	Ohio	645	43	29.6	−0.7	63	6†	−5	19†	46	2.00	−1.16	0.50	2.8	14	8	5	15	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	3	.....	.....	.....	.....	.....	.....	...	2.09	.....	0.47	7.0	14	6	8	17	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	4	.....	.....	.....	.....	.....	.....	...	1.34	.....	0.24	8.0	12	9	6	16	w.	H. S. Sutton
Bancroft	Putnam	574	26	34.4	0	70	1†	−3	19	45	2.63	−1.77	0.85	8.0	14	12	0	19	ne.	R. E. Dent
Bluefield ^{e}	Mercer	2,558	35	37.0	+2.5	72	9	2	20	43	2.04	−1.18	0.58	12.8	8	11	7	8	.....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	15	.....	.....	.....	.....	.....	.....	...	2.29	−1.49	0.80	.....	5	.....	.....	.....	.....	Miss Katie Jarvis
Charleston	Kanawha	600	27	37.3	−0.4	76	9	3	19	44	1.68	−2.28	0.54	2.0	9	6	0	25	.....	R. O. Fields
Clay	Clay	706	14	.....	.....	.....	.....	.....	.....	...	1.56	−2.09	0.49	4.9	16	.....	.....	.....	.....	Chilton Wilson
Dam 6 G. K.	Kanawha	598	4	.....	.....	.....	.....	.....	.....	...	1.19	.....	0.60	.....	8	.....	.....	.....	.....	Lockmaster
Dam 19 O. R.	Wood	600	14	.....	.....	.....	.....	.....	.....	...	1.82	−1.98	0.44	.....	11	.....	.....	.....	.....	Lockmaster
Dam 20 O. R.	Wood	600	14	.....	.....	.....	.....	.....	.....	...	1.89	−1.96	0.42	.....	15	.....	.....	.....	.....	Lockmaster
Dam 25 O. R.	Mason	565	3	.....	.....	.....	.....	.....	.....	...	1.94	.....	0.50	4.8	15	.....	.....	.....	.....	Lockmaster
Dam 26 O. R.	Mason	564	14	.....	.....	.....	.....	.....	.....	...	2.07	.....	0.55	.....	14	.....	.....	.....	.....	U. S. Engineer Office
Gary	McDowell	1,426	14	37.0	+2.8	75	9	2	19	45	1.56	−2.50	0.51	6.0	9	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	33	35.0	+0.8	69	9	1	19	39	1.41	−1.80	0.35	4.8	14	9	6	16	.....	Mrs M. L. McClung
Huntington	Cabell	538	33	38.6	+5.8	72	1	1	19	39	2.04	−1.86	0.48	4.5	16	6	6	19	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	11	.....	.....	.....	.....	.....	.....	...	1.25	.....	0.64	.....	8	.....	.....	.....	.....	J. O. Brown
Kayford	Kanawha	1,335	14	.....	.....	.....	.....	.....	.....	...	2.08	−3.02	0.76	6.5	13	.....	.....	.....	.....	Cabin Creek Con. Coal Co
Kermit	Mingo	579	4	.....	.....	.....	.....	.....	.....	...	2.18	.....	0.90	3.0	9	.....	.....	.....	...	E. B. Kirk
Lewisburg	Greenbrier	2,250	30	34.6	+2.7	67	9	−1	31	34	1.63	−1.87	0.32	11.5	9	6	6	19	nw.	Geo. T. Argabrite
Logan	Logan	700	27	.....	.....	.....	.....	.....	.....	...	1.49	−3.29	0.45	7.5	6	.....	.....	.....	.....	J. R. Wampler
Marlinton	Pocahontas	2,131	31	30.2	+2.5	62	9	−8	19	36	2.24	−1.84	0.40	11.0	11	1	18	12	nw.	S. L. Brown
Point Pleasant	Mason	595	37	34.2	+0.6	68	1†	−6	18	41	2.16	−1.72	0.48	7.5	16	7	9	15	w.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	7	35.3	.....	67	9	−6	19	37	2.18	.....	0.45	6.5	15	12	0	19	ne.	Lockmaster
Robertsburg	Putnam	570	30	33.2	0	69	1†	−6	19†	43	2.25	−1.75	0.57	5.0	16	8	0	23	.....	M. Frazier
Ryan	Roane	700	27	32.4	0	70	9	−13	19	42	2.12	−2.10	0.67	8.0	16	7	7	17	.....	Wm. E. Ryan
Sharples	Logan	.....	10		.....	.....	.....	.....	.....	.....	1.06	.....	0.65	.....	5	.....	.....	.....	.....	R. W. Howard
Spencer	Roane	789	26	35.4	+1.8	73	9	−7	19	39	2.00	−2.40	0.60	6.0	12	3	7	21	.....	A. M. McKown
Summersville	Nicholas	1,894	6	.....	.....	.....	.....	.....	.....	...	.....	.....		.....	.....	.....	.....	.....	.....	J. H. Rohrabaugh
Sutton	Braxton	850	24	37.6	+4.0	73	9†	−4	19	44	3.17	−1.85	0.85	9.0	12	19	0	12	.....	C. B. Eakle
Union ^{d}††	Monroe	2,250	26	36.8	+4.2	69	10	−5	31	37	2.39	−1.22	1.00	9.2	13	3	10	14	.....	W. M. H. Young
Wayne	Wayne	598	3	.....	.....	.....	.....	.....	.....	.....	1.89	.....	0.57	2.8	11	.....	.....	.....	.....	Mrs Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	20	^{a}30.0	+0.1	67^{a}	13	−4	30	44^{a}	1.37	−1.21	0.32	11.5	10	21	0	10	.....	H. E. Green
Williamson	Mingo	673	30	^{a}38.4	+2.5	73^{a}	10	0	19	47^{a}	1.80	−2.52	0.48	2.5	13	12	0	19	ne.	Mrs. T. W. Lowe
State averages and	extremes	.....	.....	34.0	+1.9	80	9	−13	19	49	1.86	−1.96	1.07	7.0	12	8	6	17	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for January, 1930

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac	T.		.05	1.07	.04			.12	.07	T.						.08	.01	.29	T.		.17	.17	.24	.17		.08	.08	.28			.24	3.19
Brandywine	do			T											.10				.30				T.						T		.30		0.70
Harpers Ferry‖	do			T.								T.	.11		.06	.40			.60	T			T	T.					.18		*	.39	1.74
Martinsburg‖	do	.01		.02						.11			.05	.05	.20	.28			.28				.16						.10		.08	.10	1.14
Moorefield	do				.48										.12				.32		T.										.30		1.22
Perry	do																																
Piedmont	do					.72			T.			.70	.05						.14				T.					.12	T				1.73
Romney‖	do														.25					.32		T.							T		.16		0.73
Stony River Dam	do			.12	.08					.07	.05		.05		.03				.32	.08				.08				.08	.08				1.04
Upper Tract	do				T									.10			T.		.32		T.								T.		.16		0.58
Wardensville‖	do														.15	.05				.32	T.		T.								.32		0.84
Northern Division																																	
Aberdeen	Monongahela	.05	T.	.34	.02				.07	T	.15		.11	.02	T.		T.		.17			.02	.13					.34	.27			.03	1.72
Alma (near)	Ohio	.18	.15	.10					.21	.10			.11	.14	.06	.02	.01		.18			.03	.16				.01	.38	.06			.02	1.92
Alpena	Monongahela			.25	.16				.16	T.			.12				T.	.08	.32			T.	T.			T.	T.	.25	.15		T.	T.	1.79
Benson	do		.05	.33					.08	.01	.10	.03		.08	.01		T.		.16			T.	.13					.40	.29			.04	1.71
Bens Run	do		.10	.10					.12	.06	.08		.06	.30	.10				.18			.06	.24				.03	.45	.11			.16	2.15
Brownsville	do	.03	.35		T.				.04	.08	.08		.09	.03	T.		T		.12		.02		.10	T			T.	.37	.33			.04	1.68
Bruceton Mills	do		.36	T.					.18		.12		.35			T.	T.	T.	.02			T.	.18		T.	T.		T.	.83			.08	2.12
Buckhannon	do		.55	.28					T.	.15	.15		.15	T.	T.	T.	T.		.20			T.	.05				T.	T.	.80			.10	2.43
Clarksburg‖	do	.08		.35	.03				.04	.08	.03	.03	.15	T.	.04	T.		T.	.10				.12					.14	.35				1.54
Cortland‖	do																																
Crawford‖	Little Kanawha	.02	.08	.58					.09	.15	.06							T.	.13			T.		.05			T.	.68	.31			T.	2.15
Creston‖	Monongahela	.25		.20					.21	.17	.10		.11	.05		.06	.03	T	.20	T.		.18	.18	T.				.22	.52			.05	2.53
Dam 10, Mon. R.‖	Ohio	.14	.06	.19					.06	.10	.08	.04	.36	.04	.03				.18									.18	.26				1.72
Dam 12, O. R.‖	do	.16	T.	.30	.05				.10	.40	.07	T.	.05	.40	.11	T.			.09	T.			.10			T.		.02	.02				1.87
Dam 13, O. R.‖	Monongahela	.12		.40	.05				.05	.42	.22		.03	.32		.01		.01	.07				.07			T.		.02					1.79
Dam 15, Mon. R.‖	do	.08	.06	.38	.04				.09	.14	.04	.08	.06	.03	.05			.04	.11				.09	.04				.14	.33	.05			1.85
Davis‖	do	.03		.31	.09					.32	.02	.02				.08	.02	.02	.22				.05			.01		.12	.22	.07			1.60
Elizabeth (D'm 3 L. K.)	Little Kanawha			.20					.22	.20	.10		.14	.15	.05		.16		.24				.20							.85	.04		2.55
Elkins***	Monongahela	T.	.23	.21	T.				.13	T.	.04	T.	.08	T.	T	.02	.04		.21			.01	.05	.01		T.	.01	.38	.11	T		.02	1.55
Fairmont‖	do	.20	.02	.39	T.				.07	.16	.05	T.	.30	.02	.04		T.	.04	.12	T.			.17	T.				.17	.32	.04			2.11
Glenville‖	Little Kanawha	.12		.28	.04					.18	.10		.12	.10				T.	.12			T.	.16					.14	.76	.08		T.	2.20
Grafton‖	Monongahela		.35	T								.39	T.					.02	.24			.08					.17		.61				1.86
Horner	do		.50	.08				.12				.07					.09						.11					.25	.45	.20		.12	1.99
Horton	do			.15					T.				.04		.09			.03	.35					T.			T.		.14		.16	.24	1.20
Janelew (near)	do			.25							.15		.10						.15				.15					.30	.20			.10	1.40
Lost Creek	do	.03	.06	.15	T.				.06	.03	.04	T.	.07	.12	T.	T.	T.		.10			T.	.10	T.		T.	T.	.45	.30			.08	1.59
Mannington	do	.23	.12	.12	.01				.22	.10	.11		.30	.15	.05		.02	.01	.10			.03	.10				T.	.32	.12			.03	2.14
Morgantown	do	.15	.15	T.					.10		T.	.35		T.	T.		.04		.20			T.	.16					.10	.04			T.	1.29
New Cumberland‖	Ohio	.06	.05	.45	.04				.15	.33	.05		.40	.83	.17	.05		T	.16			T.	.12			.02	T.	.03	.02			.02	2.95
New Martinsville	do	.35	.10	.10					.25	.15	T.			.40	.10		T.	.10				T.	.12				T.	.25	.10			T.	2.02
Parkersburg***	do	.19	.15	.03				.02	.27	.02	.06	T.	.05	.26	.08	T.	T.	.10	.16			.10	.07		T.		.06	.45	.05			.04	2.16
Parsons	Monongahela		T.	T.					*	1.26		T.	T.	.10	T.	.05		.08	.04			T.	T.	T.			.08		*	1.01		.08	2.70
Parsons No. 2	do	T.	.05	.25					.15	.02	.01		.06			T.	T.	.01	.20				.05	T.		T.	T.	.16	.23			.03	+++
Philippi	do	.10	T.	.35	T.					.10	.02	T.	.41				T.	T.	.18	T.			.15	T.				.15	.55	T.			2.01
Pickens	do		.49	.56	.08				.48		.11		.13			.09	.32		.24	.17			.08				.08	.50	.10		T.	.17	3.60
Roanoke	do		T.	.45					.01	T.	.10		.09	T.	T.		.02	.03	.07				.11					.30	.21			.01	1.40
Rowlesburg‖	do	.04	T.	.24	.12					.31	.05	.04	.26		.05			.02	.18	.05			.04	.02		.02		.10	.64	.04			2.22
Saint Marys‖	Ohio	.28		.14	.05				.04	.34	.04		.09	.28	.02	.03	.02	.03	.16				.20					.12	.42	.02		.05	2.33
Terra Alta	Monongahela	.13	T.	.39	.04			T.	.02	.04	.02		.26	T.	T.		.05	T.	.16			T.	.10	T		.04	T.	.26	.25			.02	1.78
Thomas‖	do			.25	.08	.01				.28	.04	T.	.04				T.	.20	.16				.03	.08	T.	T.		.20	.15	.09			1.61
Valley Chapel	do	.11		.35					.08	.05	.10			.08			T.						.10					.28	.32			.04	1.51
Vandalia	do		*	*				*				.10	.60				.20	.04					.11					.23	.40	.18		.10	1.96
Wellsburg	Ohio	.05	.08	.32					.31	.30	.10		.38	.56	.09				.04			.16	.24					.06				T.	2.69
West Milford	Monongahela				.32					.12			.24							.10		.10				.20		.35		.25			1.68
Weston	do	.20		.40					.05	.20	.25		.10	.05	.10				.08				.10	T.				.10	.50			T.	2.13
Wheeling‖	Ohio	.16	T.	.32	.05				.10	.50	.14	T.	.04	.32	.13	.01		T.	.09	T.			.10			T.		.01	.03				2.00
Woodlands‖	do	.08		.21					.13	.47	.10		.04	.23	.12	.07			.19				.24					.12	.08	.01		T.	2.09
Southern Division																																	
Arbovale	Great Kanawha	.01		.10					.09				.05	.03	.16	.02	T.		.24				.20	T.			T.	.17	.10		.17	T.	1.34
Bancroft‖	do			.22	.15				.15	.26	.10		.10	.10				T.	.08	.08			.08	.08	.08			.30	.85			T.	2.63
Bluefield	do			.45															.12			.10	.12	.32				.27	.08		.58		2.04
Camden-on-Gauley‖	do			.50						.44						.33						.22					T.		T.	.80			2.29
Charleston‖	do			.38					.04		.08		.12						.10				.24					.14	.54	.04			1.68
Clay‖	do	.02		.49		.04				.13			.18			.08	.06	T.	.04	.02			.06	.05	.01			.06	.02	.18		.12	1.56
Dam 6 G. K.‖	do			.22					.05		.05	.02	.03			.02	T		T.				T.	T.				.20	.60				1.19
Dam 19 O. R.‖	Ohio	.20		.10	T.				.10	.36	.04		.02	.22	.06			T.				T.	.14					.14	.44			T.	1.82
Dam 20 O. R.‖	do	.16	T.	.12	.04				.03	.20	.02		.08	.24	.06	.02	T.	T.	.16	T.			.14					.18	.42	T.		.02	1.89
Dam 25 O. R.‖	do	.07		.19	.07				.10	.13	.03		.05	.23	.05	.07			.14	.07								.22	.50	.02			1.94
Dam 26 O. R.‖	do	.05		.30					.20	.18	.04		.12	.06	.10	.05			.12				.05					.22	.55	.03			2.07
Gary‖	Big Sandy			.15												.10		T.	.11			.03	.06	T.				.17	.51		.25	.18	1.56
Hinton‖	do			.16	.04				T.	.03					.13	.01	T.	T	.17	.02		.07	.03	.06	T.			.05	.27		.35	.02	1.41
Huntington‖	Ohio	.09	.39	.03				T.	.22	.02	.04	.03	.04	.18	.03	.02	T.		.15			.02	.09					.48	.21			T.	2.04
Kanawha Falls‖	Great Kanawha			.07						.06		.04				.10	.10					.10							.64	.14			1.25
Kayford‖	do			.76	.11	T				.05	T.	.03				T.	.01	.13	.17	.01	T.	T.	.20	.02	T.			.01	.53	.05		T.	2.08
Kermit‖	Big Sandy			.48						.30					.08		.10		.10		.04		.08				.10			.90			2.18
Lewisburg	Great Kanawha			.03	T.				T.						.27		T.		.24			.33	.03	.12				.24	.05		.32		1.63
Logan‖	Guyandotte			.45						T.							T.	.03	.03				.40					.13	.45				1.49
Marlinton	Great Kanawha	.04		.12	T.			.06	.20				.16		.22		T.		.40			T.		.05				.35	.34		.30	T.	2.24
Point Pleasant‖	Ohio	.05		.22	.06				.09	.11	.11	T.	.07	.09	.12	.05	T.	.02	.24	T.			.18					.22	.48	.05			2.16
Ravenswood (Dam 22)	Ohio	.12		.20					.20	.14	.03	.08	.10	.16	.12	.03			.26	T.			.08	T.				.11	.45	.10		T.	2.18
Robertsburg‖	Great Kanawha	.05	.01	.18	.15				.13	.15	.04		.14	.12	.02		T.		.11				.03			.24	.27	.57	.04				2.25
Ryan	do	.06	.06	.17				T.	.16	.03	.14	T.	.03	.10	.04		.03		.21			.04	.14				T.	.67	.22			.02	2.12
Sharples‖	Coal River			.65						T.							T.		.05	.10		T.						T.	.21	.05			1.06
Spencer‖	Great Kanawha	.10		.20	T.				.11	.15	.06		.10	.06	.05	T.	T.	T.	.18				.09					.60	.30			T.	2.00
Summersville	Gauley																																
Sutton	do			.75					.20		.15		.15				.08	.08	.16				.16					.85	.35	.16	.08		3.17
Union	do			.07					T.						.09	.11		T.	.04		.02	.10	.04	.12	1.00	.02		.20	.10		.48		2.39
Wayne‖	Big Sandy			.32	.08					.14	.06		.02	.08	.09				.20				.19					.14	.57				1.89
White Sulpr. Spgs‖	Great Kanawha		.15		T.			.05	.05					.10	.05		T.		.24			.05		.12				.24			.32		1.37
Williamson‖	Big Sandy			.10	.02					.10	.34				.15	T.	.03	.02	.15			.22	.12	.02				.05	.48				1.80

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for January, 1930

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	65	64	55	32	57	54	61	61	65	58	27	41	46	51	54	57	27	27	18	17	41	32	31	28	25	28	26	39	38	37	32	41.7
	Minimum	24	27	32	20	3	13	42	49	50	24	17	20	22	28	30	19	10	6	-3	-7	10	20	11	5	12	10	14	21	10	9	7	17.9
Brandywine	Maximum	50	52	45	38	38	48	55	60	70	65	42	50	60	61	58	48	27	27	25	32	40	40	32	32	32	32	36	45	45	25	25	43.1
	Minimum	40	37	35	24	12	25	35	50	45	37	22	38	37	36	48	27	15	18	-12	-1	24	30	20	7	18	16	24	27	17	16	-3	24.6
Martinsburg§	Maximum	50	60	56	47	40	52	62	60	70	52	32	37	48	45	50	32	32	30	22	25	30	32	30	30	31	28	30	40	25	28	..	40.2
	Minimum	30	32	34	32	17	19	20	32	42	42	20	20	30	34	33	30	20	20	0	-4	1	23	11	12	14	12	16	20	18	18	0	20.9
Moorfield	Maximum	60	72	65	50	48	61	66	65	80	76	39	49	59	60	55	51	34	32	30	29	34	36	35	40	37	40	37	53	48	31	39	48.7
	Minimum	29	28	45	27	12	17	42	45	45	37	19	30	36	38	47	30	20	22	-11	-1	22	29	18	7	14	18	25	27	17	19	-1	24.3
Piedmont	Maximum	47	51	51	32	38	51	63	59	64	59	28	40	56	48	49	43	29	29	23	27	31	31	23	31	28	31	30	41	36	28	30	39.6
	Minimum	31	32	32	25	15	19	33	44	48	26	20	26	36	45	43	22	18	9	4	3	23	20	16	11	18	13	25	30	15	21	13	23.7
Romney §	Maximum	51	68	47	36	45	59	66	60	78	57	32	42	51	52	50	35	32	29	31	..	..	35	29	39	30	34	34	47	26	30	..	43.8
	Minimum	29	29	30	27	13	15	17	47	47	46	18	18	30	36	44	27	20	20	3	2	..	..	16	9	10	13	13	25	15	16	7	22.1
Upper Tract	Maximum	35	..	50	..	..	60	58	56	43	39	38	60	67	65	60	44	33	29	..	..	29	37	30	38	35	35	40	50	44	25	30	43.5
	Minimum	15	..	34	..	..	47	46	40	36	35	19	35	38	38	44	32	2	5	..	..	..	21	19	8	21	17	25	28	15	15	11	25.8
Wardensville	Maximum	61	65	..	..	52	60	65	63	77	56	60	56	57	60	56	36	35	23	10	27	35	35	30	..	..	..	..	..	..	31	..	47.7
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Northern Division																																	
Alpena	Maximum	65	62	50	43	49	51	57	56	65	67	38	49	56	61	58	35	29	27	25	35	36	33	21	29	29	26	34	35	35	31	29	42.5
	Minimum	29	36	26	19	9	24	43	48	48	25	18	33	41	41	35	16	9	7	-6	-3	28	20	10	3	11	10	21	32	8	15	8	21.4
Bens Run	Maximum	66	62	65	37	58	62	65	62	69	64	38	54	58	62	62	39	31	30	20	24	33	34	21	28	29	30	36	41	37	38	32	44.7
	Minimum	33	45	32	25	21	27	49	44	54	28	25	38	36	46	39	23	18	8	1	7	24	21	5	6	7	7	26	32	13	18	16	25.0
Buckhannon	Maximum	63	64	52	33	54	59	63	63	66	59	43	58	60	66	58	43	30	32	20	33	37	34	26	29	26	30	38	42	37	32	30	41.5
	Minimum	33	46	31	25	17	24	45	52	54	23	23	42	45	44	41	23	16	12	-2	4	30	24	15	7	18	14	27	35	15	20	17	26.5
Clarksburg §	Maximum	68	56	39	36	56	63	67	66	70	39	45	58	62	65	47	27	33	21	21	31	33	27	18	30	28	32	38	44	24	33	31	42.2
	Minimum	27	37	28	26	14	17	21	53	53	39	25	28	44	43	43	25	15	18	-3	-1	11	23	13	2	11	8	9	31	11	14	12	22.5
Creston	Maximum	69	63	54	39	57	62	68	63	73	58	39	57	65	64	63	40	31	31	23	31	34	33	24	31	32	31	36	42	38	36	36	45.9
	Minimum	31	32	33	34	15	23	37	50	51	29	25	34	45	42	37	20	16	10	9	1	25	23	6	4	12	10	27	30	12	19	14	24.4
Elkins	Maximum	70	66	50	30	56	55	62	60	69	62	45	57	60	67	60	31	33	29	21	38	37	34	20	31	25	29	37	40	25	32	27	43.8
	Minimum	30	35	25	18	13	20	46	53	44	24	22	38	44	45	31	17	12	2	-7	1	30	20	11	8	15	10	25	36	13	17	14	22.6
Fairmont§	Maximum	67	64	42	40	61	63	69	62	69	37	47	55	59	62	46	27	33	20	26	29	33	29	24	33	30	32	38	45	25	37	30	43.0
	Minimum	31	40	37	27	19	21	35	50	53	37	23	26	46	44	45	21	14	15	0	0	9	23	14	6	9	10	10	31	13	13	16	24.0
Glenville	Maximum	69	72	61	41	60	64	70	65	76	66	40	60	64	66	66	42	34	32	26	34	35	35	28	35	34	34	39	42	40	38	35	48.5
	Minimum	32	33	30	25	15	22	45	56	51	29	24	37	43	43	38	23	14	11	-4	4	28	25	13	-2	14	12	27	34	13	29	14	24.8
Grafton	Maximum	68	39	35	56	62	66	62	68	36	47	58	58	69	44	38	32	18	23	36	33	28	19	29	27	33	37	40	23	35	30	..	41.6
	Minimum	30	35	25	12	20	42	52	52	32	22	36	36	39	44	23	10	16	-8	-1	16	22	13	2	15	8	9	32	11	18	11	15	22.2
Lost Creek	Maximum	69	67	52	38	58	63	67	61	79	64	45	57	61	64	62	39	29	32	22	30	33	31	25	29	29	29	37	39	38	35	34	45.5
	Minimum	27	42	33	25	12	20	46	55	53	29	22	35	42	40	39	21	13	10	-5	0	26	21	12	2	15	7	25	32	10	19	14	23.9
Mannington	Maximum	64	63	54	33	52	60	66	63	68	61	42	56	57	62	62	40	30	33	18	29	34	33	22	27	27	29	38	40	38	31	30	43.9
	Minimum	28	35	33	26	15	21	36	52	52	27	24	39	44	43	40	24	11	10	-4	2	25	22	2	1	16	1	26	33	11	19	12	23.4
Morgantown	Maximum	67	62	52	34	54	61	66	63	67	65	38	55	57	64	61	38	31	29	18	29	32	32	19	26	25	26	37	40	36	34	29	43.5
	Minimum	40	51	31	22	22	38	50	54	53	24	20	35	46	50	36	20	11	6	-1	4	23	17	8	7	14	15	23	33	10	19	19	25.8
New Cumberland§	Maximum	60	57	35	34	51	60	61	62	46	30	49	53	55	60	40	27	32	13	17	27	29	21	15	26	25	30	36	40	24	34	..	38.3
	Minimum	31	45	33	21	21	23	43	48	35	24	18	21	41	43	38	22	13	12	-3	-2	-2	15	-4	-3	7	-4	-2	28	10	12	12	19.3
New Martinsville	Maximum	67	65	55	37	58	62	65	64	70	67	50	55	57	62	62	41	32	30	22	26	35	35	25	30	30	29	37	41	37	37	32	45.6
	Minimum	32	44	34	25	20	28	28	53	49	27	25	37	46	47	40	23	16	9	0	6	24	21	5	4	16	2	25	32	12	18	15	21.6
Parkersburg	Maximum	68	61	44	37	54	62	65	64	69	57	39	56	60	63	61	28	31	28	20	25	33	28	18	30	30	29	37	40	22	34	35	42.8
	Minimum	38	42	31	24	25	37	51	54	56	27	26	39	47	51	28	22	21	5	0	8	25	14	3	8	17	10	27	22	14	18	19	26.1
Parsons	Maximum	69	67	52	33	45	65	68	61	68	60	42	52	61	67	62	35	33	35	26	41	37	35	24	33	29	30	31	41	35	35	27	45.1
	Minimum	28	30	29	23	13	19	40	53	50	26	23	40	40	44	34	21	21	4	-5	0	29	23	13	7	15	9	15	26	13	19	12	23.0
Pickens	Maximum	55	63	59	29	51	58	57	52	64	59	48	56	56	63	58	40	31	30	26	27	46	34	25	30	25	24	29	47	30	34	25	42.9
	Minimum	31	31	20	13	11	25	38	46	42	21	17	17	40	42	25	12	3	-5	-11	-1	22	15	6	-5	6	5	16	24	3	11	7	17.1
Terra Alta	Maximum	63	60	51	30	51	56	62	58	61	59	25	50	53	64	56	35	21	28	17	33	34	30	14	21	21	23	34	36	33	31	29	40.2
	Minimum	27	45	29	19	6	18	41	51	41	21	16	24	38	44	35	16	6	5	-4	-5	23	14	8	5	10	7	19	31	7	13	5	19.8
Wellsburg	Maximum	61	60	52	34	51	61	61	63	56	47	39	53	56	61	61	35	29	29	15	24	31	31	15	26	26	26	37	40	31	31	32	41.2
	Minimum	30	39	34	19	16	24	45	48	38	25	20	37	46	47	34	22	13	8	0	-1	22	14	-9	6	16	-7	22	32	11	13	11	21.8
Weston	Maximum	68	66	62	65	56	62	66	60	68	67	44	60	63	65	64	49	30	29	20	38	36	34	26	28	30	31	35	40	38	36	38	47.7
	Minimum	32	44	40	28	18	24	45	55	33	40	25	36	45	44	45	22	18	14	2	5	29	25	15	4	19	11	28	34	15	20	22	27.0
Wheeling§	Maximum	62	60	40	40	50	63	62	63	50	30	50	55	57	62	45	30	30	17	22	29	34	22	39	23	34	37	42	37	36	40	40	42.0
	Minimum	35	42	30	18	17	25	43	50	37	25	22	22	43	45	25	21	9	5	-5	-2	3	16	-5	-3	-5	-4	-4	-4	9	11	12	17.2
Southern Division																																	
Bluefield	Maximum	..	65	58	39	..	55	58	58	72	67	41	..	62	66	62	45	34	31	..	45	41	43	31	33	36	..	46	46	41	33	35	47.9
	Minimum	..	40	28	19	..	17	47	52	43	35	30	..	36	48	42	19	15	16	..	2	32	27	14	3	18	..	15	36	17	15	13	26.1
Charleston§	Maximum	74	68	52	52	66	68	70	66	76	40	50	64	64	66	54	30	40	26	34	32	36	30	32	40	42	38	38	42	28	40	42	48.4
	Minimum	36	38	38	26	22	24	30	38	58	38	30	30	44	44	44	28	22	20	3	4	14	26	18	8	10	16	16	32	18	18	20	26.2
Gary §	Maximum	70	67	45	47	63	61	67	62	75	51	61	62	67	67	49	30	40	30	31	45	44	33	27	40	35	40	41	44	28	41	39	48.5
	Minimum	28	34	34	22	18	21	25	40	42	37	34	41	43	41	43	30	20	22	2	9	14	32	19	8	8	15	18	32	22	21	12	25.5
Hinton §	Maximum	65	60	45	39	49	56	61	63	69	48	39	40	64	64	46	36	35	34	30	40	39	37	29	40	37	38	39	43	30	40	37	44.9
	Minimum	34	34	34	25	18	20	22	41	44	39	33	34	39	40	46	30	21	22	1	2	14	33	20	10	10	14	15	31	20	20	16	25.2
Huntington	Maximum	72	64	64	56	59	65	68	63	71	58	58	60	61	65	63	63	40	33	33	27	35	34	34	37	34	39	39	42	38	39	40	50.2
	Minimum	42	48	33	23	20	26	43	55	54	30	29	30	36	46	40	26	22	9	1	10	20	23	8	9	18	15	30	35	16	20	21	27.0
Lewisburg	Maximum	63	59	57	36	48	50	57	61	67	62	40	52	61	65	63	42	33	29	28	34	37	47	28	35	36	34	36	41	39	33	32	45.0
	Minimum	33	31	33	21	14	18	39	45	41	36	26	32	35	39	42	21	17	13	1	5	30	28	14	4	22	15	26	34	16	17	-1	24.1
Marlinton	Maximum	60	52	44	30	42	44	54	56	62	44	32	44	56	60	52	30	28	24	28	30	34	34	26	28	36	32	34	42	32	34	28	39.7
	Minimum	28	26	22	18	8	12	40	48	38	28	22	32	38	42	28	16	14	16	-8	0	30	22	14	2	12	10	22	30	12	16	0	20.6
Point Pleasant	Maximum	68	65	55	40	52	64	64	63	68	63	50	55	58	61	64	40	40	25	20	22	30	30	23	30	28	28	38	40	35	36	39	45.0
	Minimum	36	45	32	22	21	38	39	49	51	22	24	32	45	44	37	20	23	-6	-4	-1	8	22	0	-1	17	14	26	32	13	14	14	23.5
Ravenswood	Maximum	63	65	57	38	51	61	64	63	67	66	35	56	62	62	60	42	33	32	20	25	32	32	25	31	32	29	36	39	40	33	35	44.8
	Minimum	35	47	34	24	21	31	47	52	53	29	25	35	46	47	39	23	20	8	-6	3	24	22	5	0	17	12	27	33	12	18	18	25.8
Robertsburg§	Maximum	69	61	44	40	57	64	67	62	69	32	45	60	60	64	41	25	32	14	25	28	36	22	35	33	33	38	40	42	18	37	40	43.0
	Minimum	32	38	37	21	19	21	32	52	51	31	26	28	45	42	41	25	21	12	-6	-6	9	21	-2	8	10	10	33	32	14	14	12	23.3
Ryan	Maximum	68	65	50	36	50	62	65	65	70	52	38	54	58	65	60	37	37	32	22	28	33	30	18	30	30	29	34	36	33	32	33	43.6
	Minimum	27	32	31	22	13	20	30	46	46	28	22	35	40	39	37	22	13	6	-13	-2	26	18	-5	11	15	6	25	29	9	15	11	21.1
Spencer §	Maximum	69	64	45	38	57	62	69	63	73	36	49	62	63	65	45	26	32	20	22	31	35	28	20	32	32	34	36	34	32	35	36	43.4
	Minimum	33	46	38	26	18	41	45	55	55	35	26	36	49	45	44	24	16	17	-9	4	22	23	10	2	17	14	20	34	14	19	26	27.4
Sutton	Maximum	69	69	68	38	60	60	68	68	73	73	41	61	65	68	68	45	33	33	22	36	37	37	30	30	32	32	37	42	42	35	38	48.7
	Minimum	31	37	34	28	16	22	52	55	52	31	21	40	45	44	40	23	15	14	-4	5	30	25	16	1	18	14	28	34	16	21	16	26.5
Union	Maximum	63	64	61	41	..	50	56	62	67	69	43	..	62	65	65	48	33	33	..	38	39	41	35	33	34	..	37	43	43	31	31	47.7
	Minimum	33	34	37	21	..	14	45	52	38	36	30	..	34	42	43	26	17	20	..	1	31	31	16	4	19	..	12	32	17	16	-5	25.8
White Sulphur Spgs§	Maximum	48	41	37	50	49	59	61	63	48	36	49	57	67	48	29	30	25	35	35	36	36	25	32	33	34	38	41	26	31	31	..	41.1
	Minimum	35	39	22	11	12	15	48	45	34	26	30	34	37	45	28	18	19	2	3	12	32	16	2	3	15	16	28	19	17	-4	-2	18.9
Williamson§	Maximum	70	65	40	32	35	67	69	70	65	73	70	62	64	64	51	31	39	24	30	44	37	30	30	40	35	39	40	43	27	39	..	47.5
	Minimum	40	45	35	23	18	20	25	43	55	45	48	50	55	47	47	30	22	21	0	8	17	28	18	9	15	20	22	30	21	22	26	29.2

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 3-13-30—900)

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXVIII PARKERSBURG, W. VA., FEBRUARY, 1930 No. 2

GENERAL SUMMARY

The month was warm and the precipitation was slightly less than one-half an inch below the normal. February was as warm or warmer in only three years of previous record. In 1909 the average was 40.4°; in 1925, 39.8°; in 1927, 40.9°; while the February average for 1930 was 39.8°. The last half of the month was especially warm. The precipitation was unevenly distributed over the State but favorably distributed throughout the month. The average snowfall, 3.9 inches, was the least of February State record, except in 1909, 1915, 1918, 1919, and 1925. Over the western counties the snowfall was the lightest of February record. The month was generally favorable for outdoor work. Winter grains were also protected by a moderate snow-cover during the cold period of the month.

TEMPERATURE

The monthly mean for the State, determined from 47 stations, was 39.8°. The departure from the normal for 40 stations having ten or more years of record was +7.6°. Unusually low temperature prevailed on the 15-16th, the lowest temperature of the month occurring on the 16th. The temperature was also slightly below the normal on the 8th and 10-11th. The temperature was high on the 2d and 4th and from the 18th to the 26th, with the highest readings on the 24th and 25th. The averages on the 25th were about 30° above the normal.

PRECIPITATION

The average precipitation for the State, determined from 84 stations, was 2.62 inches. The departure from the normal for 56 stations having ten or more years of record was —0.4[illegible] inch. The precipitation was lightest over the eastern panhandle and was generally the heaviest over the central counties. Most of the precipitation was received on the 4-5th, 9-10th, 13-16th, and 23d-26th, the greatest amounts being noted on the 4-5th, 12th, and 25-26th. In sections there were light snows on the 7th, 8th, 9th, and 10th, but most of the snowfall was received on the 14-15th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 4th and 24th; Brandywine, 7th and 26th; Crawford, 4th, 5th, and 24th; Elkins, 5th, 21st, and 22d; Glenville, 23d; Grafton, 24th; Lewisburg, 26th; Mannington, 24th; Marlinton, 4th and 24th; New Cumberland, 22d; Parsons, 22d and 24th; Pickens, 4th, 5th, and 7th; Spencer, 24th; Stony River Dam, 5th and 6th; Terra Alta, 4th, 5th, 13th, 23d, and 24th.

Hail, light: Buckhannon and Clarksburg, 24th; Brownsville, 25th.

Halo, lunar: Elkins, 14th.

MISCELLANEOUS PHENOMENA (Continued)

Sleet: Arbovale, 4th; Bayard, 5th and 7th; Crawford, 5th; Elkins, 2d and 5th; Marlinton, 13th; Pickens, 5th; Terra Alta, 8th; Williamson, 5th.

Thunderstorms (dates and number of stations reporting): 24th, 17; 25th, 11.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.10	78	60	64	165.4	55	4,990	7.4	21	sw.	9
Columbus, Ohio	30.08	76	66	68	92.3	31	6,369	9.5	38	nw.	10
Elkins	30.14	86	64	67	125.0	42	3,520	5.2	34	w.	26
Lexington, Ky	30.14	80	65	....	138.6	46	8,853	13.2	33	sw.	12
Parkersburg	30.12	76	58	60	94.0	31	3,743	5.6	28	nw.	26
Pittsburgh, Pa	30.10	74	63	66	110.8	37	6,410	9.6	38	w.	26
Wytheville, Va	30.13	76	57	60	197.0	65	4,320	6.4	24	nw.	27

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	38.1	......	......	5.39	......	......	......	......	......	......	......
1892	37.1	72	−12	2.30	......	......	......	9	......	......	......
1893	35.0	71	− 6	4.81	6.70	1.65	......	12	......	......	......
1894	33.[illegible]	74	− 5	3.99	7.48	2.05	......	10	9	7	12
1895	22.8	79	−17	1.27	2.44	0.61	......	7	10	9	9
1896	33.4	62	− 5	3.31	6.23	1.50	......	17	7	8	14
1897	36.8	70	3	5.95	8.18	3.00	......	11	7	7	14
1898	32.7	74	−13	1.81	3.38	0.64	......	9	10	8	10
1899	26.1	69	−35	4.32	6.43	2.25	19.0	14	7	5	16
1900	30.7	83	−11	3.94	5.62	2.31	10.0	12	5	10	13
1901	27.1	62	− 6	0.86	1.66	0.10	4.1	7	8	8	12
1902	26.7	68	−14	3.20	5.65	1.33	8.1	10	6	7	15
1903	35.3	74	−19	5.99	9.59	2.58	8.6	11	10	6	12
1904	29.3	80	−13	2.37	4.55	0.52	8.1	10	12	9	8
1905	25.6	56	−22	2.34	4.65	0.80	8.1	11	8	6	14
1906	32.4	79	−11	1.60	3.34	0.46	8.1	7	15	6	7
1907	31.1	68	−23	2.55	4.83	0.67	11.1	9	9	8	14
1908	30.9	72	−10	3.72	6.26	1.77	15.8	12	7	8	11
1909	40.4	80	− 5	4.16	7.68	1.44	3.4	13	7	8	13
1910	31.5	72	−11	3.18	6.56	0.98	13.5	8	9	8	11
1911	38.7	76	− 6	2.03	3.92	0.40	4.8	7	8	8	12
1912	27.3	70	−17	2.45	5.08	0.72	6.4	7	10	8	11
1913	32.6	80	− 4	2.27	6.15	0.21	4.7	7	13	6	9
1914	28.4	70	−22	3.64	6.96	1.63	19.7	10	9	7	12
1915	38.4	72	− 2	3.07	6.33	0.90	3.6	10	10	5	13
1916	31.4	72	−12	4.30	9.19	1.79	13.2	11	8	6	15
1917	31.0	80	−14	3.29	7.73	1.26	10.1	9	9	7	12
1918	35.4	81	−19	3.12	6.60	0.15	3.8	9	11	6	11
1919	35.2	72	− 2	1.85	3.93	0.35	3.5	9	11	5	12
1920	31.3	69	− 4	2.71	5.49	1.49	9.3	12	7	5	17
1921	37.4	79	−10	2.61	4.90	1.10	10.8	9	8	5	15
1922	38.2	77	−14	2.89	5.57	0.94	6.3	11	8	7	13
1923	30.4	70	−20	3.68	7.38	0.75	7.8	12	7	5	16
1924	31.6	74	−16	3.21	8.18	0.84	12.2	11	8	6	15
1925	39.8	80	− 5	2.49	4.32	0.35	2.0	8	10	6	12
1926	34.9	72	− 3	4.01	8.88	1.20	18.1	13	6	5	17
1927	40.9	79	6	4.49	8.64	2.40	11.0	15	7	6	15
1928	31.6	72	− 3	2.50	6.06	0.40	6.4	11	8	6	15
1929	30.0	70	−15	2.98	5.24	1.43	14.6	9	9	6	13
1930	39.8	81	−21	2.62	5.21	0.95	3.9	10	11	5	12
1891-1930	33.1	83	−35	3.14	9.59	0.10	9.1	10	9	7	12

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Climatological Data for February, 1930

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	29	36.7	+ 9.3	68	22†	−10	16	46	3.02	−0.37	0.70	13.0	11	7	2	19	sw.	U. G. Clark
Brandywine	Pendleton	1,586	14	37.9	+ 3.9	70	21	− 3	16	42	0.95	−0.78	0.40	2.0	3	17	0	11	s.	Elmer Keister
Harpers Ferry	Jefferson	244	41	...	...	...	...	...	...	...	1.26	−1.16	0.54	2.0	6	...	...	...	...	J. C. Newcomer
Martinsburg	Berkeley	435	38	^{a}37.4	+ 7.4	72^{a}	20	4	16	43^{a}	2.23	−0.20	0.90	0.5	7	19	5	4	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	34	42.6	+10.3	81	25	− 4	16	46	1.06	−1.29	0.50	T.	5	24	0	4	...	M. S. Henkel
Piedmont	Mineral	1,053	17	37.7	+ 5.4	73	25	1	16	35	1.05	−1.61	0.67	2.0	5	11	7	10	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	32	^{a}38.8	+ 6.6	78^{a}	25	3	16	47^{a}	1.26	−0.92	0.75	...	5	11	8	9	...	George E Bergdoll
Stony River Dam	Grant	3,300	10	...	...	...	...	...	...	...	2.39	...	0.95	9.5	11	4	6	18	w.	A. C. Becker
Upper Tract	Pendleton	1,230	31	^{c}40.5	+ 8.3	75^{c}	25	− 5^{c}	16	43^{c}	1.08	−0.50	0.90	1.0	3	14	0	14	...	J. M. Mallow
Wardensville	Hardy	1,200	13	...	...	80^{c}	25	...	...	...	1.28	...	0.95	...	4	11^{g}	4^{g}	6^{g}	w.	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	6	...	...	...	...	...	...	...	2.63	...	0.51	5.6	12	6	10	12	w.	L. Else Bond
Alma (near)	Tyler	...	3	...	...	...	...	...	...	...	3.10	...	0.80	2.0	10	10	4	14	...	D. N. Furbee
Alpena	Randolph	2,571	0	35.4	...	66	22†	−13	16	41	2.48	...	0.65	4.5	10	7	10	11	w.	Christian Hertig
Benson	Harrison	1,080	6	39.4	...	73	25†	−19	16	49	3.15	...	0.58	3.0	11	12	11	5	...	John A. Clark
Bens Run	Pleasants	652	28	41.1	+ 9.3	74	25	4	16	40	3.24	+0.05	0.79	3.0	10	9	3	16	...	J. D. Riggs
Brownsville	Lewis	1,032	7	40.2	...	74	25†	−19	16	19	3.16	...	0.45	5.0	12	10	9	9	...	George M Meyers
Bruceton Mills	Preston	1,549	13	...	...	...	...	...	...	...	3.71	+0.35	0.85	3.0	8	5	8	15	sw.	Mrs. Ola Wolf
Buckhannon	Upshur	1,411	33	39.2	+ 7.7	71	25	−14	16	43	3.09	−0.77	0.64	6.5	8	12	0	16	...	H. A. Darnall
Clarksburg	Harrison	1,015	8	38.0	...	74	25	−12	16	50	3.39	...	0.93	4.5	14	8	4	16	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	19	...	...	...	...	...	...	...	2.81	−1.05	0.50	12.0	9	6	11	11	...	G. W. Harmon
Crawford	Lewis	1,107	7	...	...	...	...	...	...	...	2.25	...	0.56	7.0	9	11	9	8	w.	George W. Blair
Creston	Wirt	640	28	41.1	+ 8.3	77	25	6	16	47	3.52	+0.43	1.22	2.0	9	18	0	10	sw.	J. M Reed
Dam 10 Mon. R.	Marion	826	9	...	...	...	...	...	...	...	2.81	...	0.70	3.0	11	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	14	...	...	...	...	...	...	...	2.80	+0.57	0.91	...	10	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	14	...	...	...	...	...	...	...	2.59	+0.07	0.65	...	14	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	9	...	...	...	...	...	...	...	3.21	...	0.82	2.5	16	...	...	...	...	Lockmaster
Davis	Tucker	3,093	21	...	...	...	...	...	...	...	2.65	−1.69	0.60	...	18	10^{c}	0^{c}	15^{c}	...	Ross C. Male
Elizabeth (Dam 3 L. K)	Wirt	615	18	...	...	...	...	...	...	...	2.82	+0.16	0.95	...	10	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	29	36.9	+ 5.3	70	25	−14	16	43	2.78	−0.30	0.73	8.2	13	7	4	17	w.	U. S. Weather Bureau
Fairmont	Marion	883	24	39.4	+ 7.3	73	20†	− 5	16	50	3.13	0	0.78	4.2	15	9	2	17	w.	J C Robinson
Glenville	Gilmer	738	36	42.4	+ 9.7	77	25	−12	16	48	3.36	−0.37	1.34	3.5	15	12	8	8	w.	Howard R Brannon
Grafton	Taylor	1,000	37	^{a}37.3	+ 5.7	72	25	−16^{a}	16	48^{a}	2.85	−0.38	0.85	3.0	10	9	5	14	w.	Curtis Boice
Horner	Lewis	1,041	7	...	...	...	...	...	...	...	2.43	...	0.85	...	7	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	5	...	...	...	...	...	...	...	2.38	...	0.61	8.7	10	10	1	17	w.	J. W. White
Janelew (near)	Lewis	1,020	7	41.2	...	75	25	−21	16	48	1.61	...	0.68	5.0	6	12	7	9	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	32	39.8	+ 8.8	74	25	−21	16	49	3.08	+0.02	0.64	6.0	12	10	3	15	w.	Allen Smith
Mannington	Marion	985	27	38.5	+ 7.5	72	25	−11	16	44	3.15	+0.36	0.78	4.4	15	9	4	15	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	37	40.2	+ 8.9	71	25	− 6	16	32	1.81	−1.21	0.55	4.5	5	5	4	19	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	32	^{a}37.4	+ 9.7	70^{a}	20†	0	16	47^{a}	2.78	+0.38	0.93	T.	17	7	2	19	s.	C. H. Hesse
New Martinsville	Wetzel	634	36	41.0	+ 8.8	75	25	− 3	16	42	3.65	+0.67	1.15	T	9	7	8	13	s.	Wm. Ankrom
Parkersburg	Wood	638	43	41.4	+ 7.2	77	25	5	16	37	2.30	−0.83	0.86	0.1	10	8	2	13	se.	U. S. Weather Bureau
Parsons ††	Tucker	1,649	30	37.3	+ 7.6	73	24	− 8	16	44	3.30	−0.12	1.00	5.5	7	7	4	17	...	J. W. Swisher
Parsons No. 2 ††	Tucker	...	4	...	...	...	...	...	...	...	2.37	...	...	4.0	12	12	6	10	...	Robert T. Deem
Philippi	Barbour	1,550	33	...	...	...	...	...	...	...	3.35	−0.02	0.99	4.0	12	...	...	...	...	Prof. W. W. Thomson
Pickens	Randolph	2,697	27	34.2	+ 3.4	69	22	−20	16	46	5.21	−0.11	1.21	22.0	13	13	4	11	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	7	...	...	...	...	...	...	...	2.62	...	0.51	6.1	9	11	5	12	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	43	...	...	...	...	...	...	...	3.97	+0.56	0.98	2.8	16	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	21	...	...	...	...	...	...	...	3.02	−0.18	0.71	T.	13	...	...	...	sw.	Wm. Hughes
Terra Alta	Preston	2,559	29	35.1	+ 7.3	67	22	− 8	16	44	2.67	−1.10	0.73	9.1	13	5	4	19	sw.	J. J. Shanahan, E. M.
Thomas	Tucker	1,112	1	...	...	...	...	...	...	...	2.79	...	0.72	16.0	15	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	7	40.9	...	75	25†	−14	16	46	2.89	...	0.60	7.0	12	13	6	9	w.	J. C. Campbell
Vandalia	Lewis	1,120	7	...	...	...	...	...	...	...	0.96	...	0.60	1.0	5	...	...	...	...	Creed H. McCue
Wellsburg	Brooke	668	23	39.0	+11.5	70	22	− 1	16	43	1.77	−1.38	0.79	T.	7	13	4	11	w.	George P. Pfister
West Milford	Harrison	979	5	...	...	...	...	...	...	...	3.19	...	1.00	7.0	11	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	35	40.7	+ 8.8	75	25	−12	16	47	3.19	−0.55	1.00	...	13	1	14	13	...	Weston State Hospital
Wheeling	Ohio	645	43	38.2	+ 7.4	76	21	− 2	16	53	2.64	+0.12	0.65	0.6	11	8	4	16	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	3	...	...	...	...	...	...	...	2.59	...	0.67	T.	11	8	4	16	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,731	4	...	...	...	...	...	...	...	1.98	...	0.74	3.0	10	12	5	11	w.	H. S. Sutton
Bancroft	Putnam	574	26	40.8	+ 7.1	80	25	− 2	16	55	2.27	−0.64	0.90	1.0	8	16	0	12	ne.	R. E. Dent
Bluefield *	Mercer	2,558	35	43.4	+ 9.5	72	25	2	17	45	1.87	−1.15	0.88	1.0	8	16	3	4	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	15	...	...	...	...	...	...	...	1.94	−1.23	0.80	4.0	4	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	27	41.4	+ 5.5	80	25	3	16	50	2.80	−0.78	0.82	1.0	10	11	0	17	...	R. O. Fields
Clay	Clay	706	14	...	...	...	...	...	...	...	2.05	−1.26	0.43	2.6	12	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	4	...	...	...	...	...	...	...	2.60	...	0.88	...	10	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	14	...	...	...	...	...	...	...	2.73	+0.16	0.94	...	12	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	14	...	...	...	...	...	...	...	2.97	−0.04	0.95	...	12	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	3	...	...	...	...	...	...	...	2.50	...	0.98	...	11	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	14	...	...	...	...	...	...	...	2.87	...	0.98	...	12	...	...	...	...	U. S. Engineers Office
Gary	McDowell	1,426	14	42.2	+ 5.4	78	25	5	16	46	1.89	−1.76	0.56	1.0	8	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	33	41.6	+ 7.6	80	25	3	16	49	1.82	−1.23	0.45	...	10	10	5	13	...	Mrs. M. L. McClung
Huntington ††	Cabell	538	33	45.8	+13.2	80	25	6	16	42	3.00	−0.13	1.07	1.0	8	4	15	9	sw.	H. N Robinson
Kanawha Falls	Fayette	618	11	...	...	...	...	...	...	...	2.72	...	0.90	...	7	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	14	...	...	...	...	...	...	...	2.32	−0.56	0.77	...	12	...	...	...	...	Cabin Creek. Con Coal Co
Kermit	Mingo	579	4	...	...	...	...	...	...	...	2.74	...	1.00	2.0	9	...	...	...	...	E. B. Kirk
Lewisburg	Greenbrier	2,250	30	40.4	+ 8.4	74	25	− 2	16	41	2.25	−0.71	1.37	2.0	6	14	5	9	nw.	Geo T. Argabrite
Logan	Logan	700	27	...	...	...	...	...	...	...	3.84	−0.06	0.98	1.0	11	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	31	35.1	+ 5.5	68	25	− 4	16	42	2.54	−0.96	0.84	1.0	9	7	16	5	sw.	S. L. Brown
Point Pleasant	Mason	595	37	43.1	+ 9.5	78	25	6	16	43	3.23	−0.19	1.06	0.3	12	14	9	5	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	7	42.7	...	76	25	1	16	41	2.75	...	1.00	T.	11	9	0	19	sw.	Lockmaster
Robertsburg	Putnam	570	30	41.0	+ 8.1	78	25	− 3	16	51	2.68	−0.34	0.80	2.0	11	13	0	15	...	M. Frazier
Ryan	Roane	709	27	39.1	+ 5.9	75	25	−13	16	44	2.88	−0.49	0.87	2.3	10	10	7	11	...	Wm E. Ryan
Sharples	Logan	...	10	...	...	...	...	...	...	...	1.90	...	0.60	...	6	...	...	...	...	R. W. Howard
Spencer	Roane	739	26	42.2	+ 8.4	77	22	− 7	16	42	3.19	+0.15	0.98	3.0	14	7	6	15	...	A. M. McKown
Summersville	Nicholas	1,894	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	J H. Rohrabaugh
Sutton	Braxton	850	24	42.4	+ 7.9	75	22†	−10	16	46	3.99	+0.69	0.50	13.0	13	15	0	13	...	C. B. Eakle
Union ^{d}	Monroe	2,250	26	41.7	+ 8.6	75	25†	2	1	42	1.84	−0.87	0.65	1.0	5	13	9	2	...	W. M. H. Young
Wayne	Wayne	593	3	...	...	...	...	...	...	...	2.97	...	1.09	1.5	9	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	20	^{a}36.9	+ 2.3	71^{a}	24	− 5	15	43^{a}	1.55	−2.67	0.65	...	5	19	0	9	...	H. E. Green
Williamson	Mingo	673	30	^{a}45.4	+ 9.3	81^{a}	24	5	15	35^{a}	4.06	+0.91	1.10	1.1	10	12	0	16	ne.	Mrs. T. W. Lowe
State averages and extremes				39.8	+ 7.6	81	24†	−21	16	55	2.62	−0.47	1.37	3.9	10	11	5	12	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for February, 1930

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard ‖	Potomac	T.	T.		.70	.18			.10		.45			.18	T.	.05	.35							.67	T	.54	.31	.09	T				3.62
Brandywine	do				.40									.35		.20								T.	T		T						0.95
Harpers Ferry ‖	do					.51								.14	.20		.10								[illegible]			.16					[illegible]
Martinsburg ‖	do			T.		.90	T.	T			T.			.35	.30		.10								.08	[illegible]		[illegible]					[illegible]
Moorefield	do				.50									.18		.08								.12		.18							1.06
Perry	do																																
Piedmont	do				.67	.02			T.							.15									.20		T	.01					1.05
Romney ‖	do					.75								.07		.10									.12	.22							1.26
Stony River Dam	do					.95				.08	.16			.12	.08	.04	.21								.12	.40	[illegible]	.12					[illegible]
Upper Tract	do				.90									.10	.08																		1.08
Wardensville ‖	do				T.	.95								.10											.03	.20							1.25
Northern Division																																	
Aberdeen	Monongahela		.04		.43	.51	T.		.03		.47			.20	.12	.25	T.							.21	.05	.13	.16						2.63
Alma (near)	Ohio				.73	.12		.02			.26			.23		.07								.18	.21	.48	.80						3.10
Alpena	Monongahela		.08		.65	.14	T.		.08	T.	.16			.48	.04		T.							.35	.10		.40						2.45
Benson	do				.57	.58			.03		.27			.23	.08	.12								.34	.06	.28	.49						3.15
Bens Run	do		.06		.66	.20			.16					.60		.08								.19	.18	.32	.79						3.24
Brownsville	do		.04		.45	.54			.02		.38			.17	.09	.16	.35							.23	.09	.34	.30						3.16
Bruceton Mills	do				.80	T.	T.	T.	T.	.46	T			.36	.08	.16								.20	.85	T	.80						3.71
Buckhannon	do				.64	.30			T.		.50			.22		.60								.23	.30		.30						3.09
Clarksburg ‖	do	.01	.05	.02		.93				.02	.22			.09	.18		.32							.02	.24	.69	.45	.12					3.39
Cortland ‖	do			.10	.50	.01				.32				.50		.40								.25		.25	.54						2.77
Crawford ‖	Little Kanawha	.05			.56	.33			.03	.30				.40		.33								.32	.05								2.35
Creston ‖	Monongahela				.22	1.22				T.	.24			.32	.31	T.	.08								.35		.46	.12					3.32
Dam 10, Mon. R. ‖	Ohio		.01	.06		.70					.26			.09	.34		.16								.17	.32	.56	.14					2.84
Dam 12, O. R. ‖	do	T.	.05	T.		.28		T.	T.		.19	T.		.17	.07		T	.01							.11	.56	.91	.51					2.80
Dam 13, O. R.	Monongahela		.02			.40		.01	.01	.01	.22	.02			.10		.03	.01							.16	.60	.65	.15					2.39
Dam 15, Mon. R.	do	.03	.04		.02	.82		.02		.09	.28	.07		.06	.22		.19							.02	.28	.44	.54	.09					3.21
Davis	do	.01	.05	.08		.60			.03	.03	.24	.03		.03	.07	.13	.19							.02	.25	.37	.19	.32	.01				2.65
Elizabeth (Dam 3 L. K.)	Little Kanawha				.16	.95				.27				.34			.21							.14	.12	.20	.36	.07					2.82
Elkins ***	Monongahela		.02	.02	.68	.06	T.	.04	.05	.25	.11			.57	T.	.35								.19	.04		.40						2.78
Fairmont ‖	do	.02	.07	.02	.02	.78	T.	T.	T.	.08	.26	T.		.08	.16	T.	.16							.02	.22	.58	.58	.08					3.13
Glenville ‖	Little Kanawha	.08	.12	T.	.06	1.28	.06			.10	.42			.20	.12	T.	.36							.04	.05	.12	.24	.11					3.36
Grafton ‖	Monongahela					.85								*	*	*	*	.75						.30	.52	.48	.15						2.85
Horner	do				.85						.15			.03		.35								.20			.50		.25				2.43
Horton	do		T		.52	.12			.09		.33			.61	.10	.18								.17	.04		.22	T.					2.38
Janelew (near)	do				.48	.20								.28		.25								.25		.15							1.61
Lost Creek	do				.64	.50			.04		.39			.20	.09	.35	.03							.29	.06	.07	.42	T.					3.08
Mannington	do		.07	.03	.50	.21	.01	T.	.04		.40			.27	.04	.18								.22	.10	.28	.78	.02					3.15
Morgantown	do		T	T.	.55		T.	T.	T	T.	T			.26		.20								T.	T.	.25	.55	T.					1.81
New Cumberland ‖	Ohio		.05	.11		.14	.02	.04	.01		.21	.02		.33	.02	.01	.04	.01							.10	.60	.93	.14					2.78
New Martinsville	do		.10		.65	.10			T.		.25			.30		T.								.20	.20	.70	1.15	T.					3.65
Parkersburg ***	do	.02	T		.86	T.	T.	T.	T.	.16	T.		.27	.18		.01								.15	.11	.11	.43						2.30
Parsons	Monongahela			*	.77									.04		.40									.59	1.00			.50				3.39
Parsons No. 2	do			T.	*	.77			.03		.31			.35	.02	.21	T.							.10	.05	.25	.26	.02					2.57
Philippi	do			.10	.02	.99					.40			.08	.27	.02	.25							T.	.20	.75	.20	.07					3.35
Pickens	do		.08	.08	.84	.08		.08	.16		.32			1.21		.56	.16							1.10	.21		.33						5.21
Roanoke	do			T.	.51	.47	T.		T.		.47				.07	.29	.01							.30	.12		.38						2.62
Rowlesburg ‖	do	.04	.03	.02	.06	.78			.03	.09	.45	.02			.25		.19							.01	.34	.93	.06	.64					3.97
Saint Marys ‖	Ohio		.04	T.	.07	.71		T.		.03	.27	T.		.32	.18		.02							.05	.10	.41	.70	.12					3.02
Terra Alta	Monongahela		.02		.53	.05	T.	T	.03	T.	.29	T.		.19	.02	.18	T.							.26	.09	.25	.73	.03	T.				2.67
Thomas	do		.01	.06		.72			.02	.01	.19	.01		.29	.15		.21								.22	.40	.13	.36	.01				2.79
Valley Chapel	do		.05		.48	.60			.01		.35			.18	.16	.03								.32	.07	.40	.21						2.89
Vandalia	do												.10	.60			.08									.12	.06						0.96
Wellsburg	Ohio				.24	.03	T		T.					.35		T.								.10	.11	.15	.79						1.77
West Milford	Monongahela		.10			1.00					.40			.24	.10	.20		.08						.27	.10	.18	.52						3.19
Weston	do		.10	.10	.12	1.00					.40			.10	.10		.20							.10	.40	.22	.20	.05					3.19
Wheeling ‖	Ohio	T.	.05	T.		.31	T.	T.	T.	.01	.18	.02		.20	.10		T	T.							.12	.45	.55	.65					2.64
Woodlands ‖	do		.04	.04		.47					.14			.16	.15		T.							.03	.17	.67	.50	.22					2.59
Southern Division																																	
Arbovale	Great Kanawha			.18	.74	.11			T.		.04			.35	.04	.16								.23	.12		.01	T					1.98
Bancroft ‖	do				.21	.90								.45	T.	T.	.08							.12	.10	.15	.26						2.27
Bluefield	do			.36	.88	.14					.08			.20		.12		.02							.07								1.87
Camden-on-Gauley ‖	do	T.	T.			.80			T.							T.	.40								.44	.30							1.94
Charleston ‖	do				.24	.82					.34			.38	.28		.16							.14	.20	.20	.04						2.80
Clay ‖	do			.03	.08	.43			.02	.20				.11	.25	.08	.18							.22	.05	.37							2.65
Dam 6 G. K. ‖	do				.13	.88			.02		.18			.40	.15			.17						.13		.46	.05						2.60
Dam 19 O. R. ‖	Ohio		.04	T.	.03	.94	T	T.			.28			.34	.16		.02							.20	.06	.12	.48	.06					2.73
Dam 20 O. R. ‖	do		.03		.05	.98					.26			.36	.19		.01							.14	.03	.25	.54	.10					2.97
Dam 25 O. R. ‖	do		.03		.10	.98					.20			.39	.13									.17	.09	.10	.30	.04					2.50
Dam 26 O. R. ‖	do		.04		.15	.98					.15			.35	.10		.05							.15	.07	.40	.38	.05					2.87
Gary ‖	Big Sandy				.56	.43			.02					.25	.31		.08		.11					.13									1.89
Hinton ‖	do	T	.01		.45	.45			.01					.19	.22		.23							.04	.15	.07							1.82
Huntington ‖	Ohio				1.07	.40			T.	T.	.16		T.	.68		.08								.16	.05		.40						3.00
Kanawha Falls ‖	Great Kanawha				.12	.90					.30			.52	.38										.20	.30							2.72
ayford	do	.01	T.		.17	.77	.02		.01	.01	.19			.42		T.	.37							.10	T	.15	T.	.10					2.32
Kermit ‖	Big Sandy				.63	.55					.20			.08	1.00	.03	.10							.03	.12								2.74
Lewisburg	Great Kanawha				1.37	.10			T.					.26		.16								.25	.11								2.25
Logan ‖	Guyandotte				.98	.55	T.	T.			.20			.48	.25	.01	.06							.22	.15	.07		.04					3.04
Marlinton	Great Kanawha		T.	.06	.84	.22			T.		T.			.40	T.	.10	T							.46	.08	.04	.40						2.54
oint Pleasant ‖	Ohio		.02		.18	1.06					.26			.31	.18	T.	.03							.16	.09	.11	.71	.12					3.23
avenswood (Dam 22)	Ohio		.02		.05	1.00					.26			.36	.18	T.	T.							.12	.15	.21	.30	.10					2.75
obertsburg ‖	Great Kanawha		.01		.23	.80					.14			.45	.11		.14							.12	.12	.26	.30						2.68
yan	do		.02		.87	.20		T.	.03		.26			.49		.20								.29	.30		.22						2.88
arples ‖	Coal River				.40	.60					.30			.39		T.	T.							.10	.11								1.90
encer ‖	Great Kanawha		.07		.14	.98					.50			.23	.08	.25	.16		.08					.27	.10	.26	.22	.05					3.19
ummersville	Gauley																																
tton	do		.15		.50	.40			.08		.35			.45	.16	.48	.32		.40					.25	.20		.25						3.99
ion	do			.35	.45				T.		T.			.31		.05									.65								1.84
ayne ‖	Big Sandy				.59	1.09			T.	T.				.59	.37	.06	.10							.19	.09		.09						2.96
ite Sulphur Spgs ‖	Great Kanawha			.30	.65								.05			T.							.35	.20									1.55
illiamson ‖	Big Sandy				.65	1.10	.59		T.		.22			.54	.22	.62	.22							.15	.35	T.	T.	T.					4.06

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for February, 1930

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	36	40	50	43	35	33	44	35	57	48	48	58	48	37	33	20	42	52	60	64	65	68	64	63	68	67	43	48	..	..	..	48.9
	Minimum	7	32	30	30	25	25	20	25	31	5	36	40	34	21	12	−10	−3	11	26	33	26	22	27	32	53	43	30	24	..	..	..	24.5
Brandywine	Maximum	35	40	46	46	44	40	50	47	40	40	45	47	45	45	43	30	35	55	60	65	70	65	60	65	60	56	55	50	..	..	..	49.4
	Minimum	8	20	34	28	32	32	22	30	16	20	17	38	37	27	24	−3	10	23	24	26	28	27	40	42	38	35	37	26	..	..	..	26.4
Martinsburg§	Maximum	40	45	50	48	40	32	35	40	45	40	38	50	47	45	35	25	35	50	65	72	70	60	50	65	68	60	58	..	..	..	..	48.4
	Minimum	10	26	35	28	32	30	20	20	22	27	21	20	20	30	28	4	6	20	27	29	33	33	33	38	40	40	33	31	..	..	..	26.3
Moorfield	Maximum	45	49	60	56	46	41	55	51	55	55	47	60	57	52	43	37	40	62	71	76	73	72	71	71	81	76	60	53	..	..	..	57.7
	Minimum	20	27	32	28	34	33	24	23	19	22	18	15	34	30	36	−4	14	26	26	30	28	26	35	38	48	45	37	26	..	..	..	27.5
Piedmont	Maximum	32	44	44	36	36	33	42	34	43	42	41	51	47	38	34	24	23	56	63	68	69	62	51	61	73	69	48	44	..	..	..	47.0
	Minimum	23	29	36	29	32	24	22	27	17	29	20	19	31	30	18	1	10	22	30	38	34	31	34	40	50	50	33	30	..	..	..	28.4
Romney §	Maximum	44	49	53	39	41	35	50	39	51	38	45	60	50	44	32	28	39	61	71	73	73	68	50	65	78	71	48	..	..	..	..	51.7
	Minimum	14	29	33	28	30	32	21	22	17	23	18	17	18	30	26	3	5	17	24	30	32	28	32	34	44	53	33	28	..	..	..	25.8
Upper Tract	Maximum	..	45	59	50	50	42	43	52	55	42	50	50	56	40	..	35	40	60	65	68	70	70	..	70	75	71	70	51	..	..	..	55.2
	Minimum	..	15	30	28	28	31	33	30	18	32	17	18	20	28	..	−5	10	30	32	33	28	28	..	27	36	38	35	25	..	..	..	25.8
Wardensville	Maximum	49	49	59	46	41	40	45	50	59	40	50	60	51	50	30	54	50	69	72	75	..	..	74	70	80	74	53	..	..	..	..	55.6
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Northern Division																																	
Alpena	Maximum	35	40	45	41	40	34	43	34	47	48	42	53	49	33	32	21	38	52	60	62	63	66	61	62	66	62	40	48	..	..	..	47.0
	Minimum	19	31	35	27	26	24	32	20	8	21	17	19	32	21	11	−13	1	21	29	38	28	25	31	34	41	39	30	22	..	..	..	23.9
Bens Run	Maximum	41	48	45	47	43	40	41	36	55	53	42	64	59	40	35	25	41	60	69	69	70	69	62	68	74	69	49	46	..	..	..	52.2
	Minimum	17	29	28	35	31	32	30	28	22	31	18	25	34	28	20	4	20	28	29	36	30	31	42	44	56	48	35	30	..	..	..	30.0
Buckhannon	Maximum	38	46	50	46	40	37	46	37	44	53	39	60	55	37	34	20	43	54	61	63	63	67	56	67	71	68	48	46	..	..	..	49.6
	Minimum	12	33	41	30	32	32	31	28	19	28	17	17	35	27	18	−14	11	31	30	33	30	31	43	44	60	46	36	29	..	..	..	28.9
Clarksburg §	Maximum	40	47	49	43	34	39	44	33	55	36	44	65	56	39	28	23	45	60	67	68	70	71	55	69	74	64	44	50	..	..	..	50.4
	Minimum	14	23	38	28	32	31	28	27	15	23	14	18	21	28	25	−12	−5	23	23	33	26	28	30	44	45	54	33	27	..	..	..	25.5
Creston	Maximum	41	51	55	48	45	44	42	38	60	58	46	67	62	42	39	30	50	62	70	70	71	72	56	71	77	75	50	51	..	..	..	55.1
	Minimum	13	32	37	28	32	33	25	29	19	30	15	20	33	24	21	6	10	26	25	29	26	28	38	24	55	49	33	20	..	..	..	27 1
Elkins	Maximum	39	45	51	49	34	37	47	29	54	31	43	60	49	35	28	20	40	56	62	64	65	70	55	60	70	67	42	48	..	..	..	48.4
	Minimum	19	33	30	29	29	27	28	15	12	24	14	18	28	26	5	−14	9	32	31	32	27	27	49	41	57	38	28	25	..	..	..	25.4
Fairmont§	Maximum	39	49	47	42	35	37	44	38	53	34	46	68	47	41	29	27	45	65	71	73	72	73	54	67	73	63	43	52	..	..	..	50.8
	Minimum	21	24	37	29	31	31	31	26	18	30	17	18	24	26	26	−5	−3	21	35	36	32	30	31	48	50	57	33	27	..	..	..	27.9
Glenville	Maximum	42	52	58	53	45	44	46	40	60	58	50	67	63	44	42	32	48	63	69	71	74	76	69	72	77	76	55	55	..	..	..	57.2
	Minimum	10	31	39	27	31	32	25	29	18	31	16	20	32	29	22	−12	13	27	25	29	26	32	28	44	57	50	33	26	..	..	..	27.5
Grafton	Maximum	38	45	48	40	32	41	43	31	51	33	53	53	45	40	28	30	38	55	64	66	67	70	65	65	72	63	42	46	..	..	..	48.7
	Minimum	..	31	35	25	30	30	28	26	13	28	13	15	41	26	22	−16	−10	24	25	30	26	28	31	42	47	55	31	24	..	..	..	25.9
Lost Creek	Maximum	38	47	52	50	40	37	44	36	55	55	45	66	59	38	38	26	43	59	66	69	70	71	65	69	74	72	52	51	..	..	..	53.1
	Minimum	14	32	40	25	30	30	26	25	15	29	13	17	32	26	22	−21	4	30	30	38	25	25	35	40	55	46	34	25	..	..	..	26.5
Mannington	Maximum	38	45	45	42	41	36	45	34	54	53	39	63	59	39	36	21	42	56	65	67	67	68	62	64	72	70	49	45	..	..	..	50.5
	Minimum	14	33	34	25	31	31	28	25	14	30	15	19	33	22	19	−11	9	24	26	32	26	27	33	44	53	48	32	25	..	..	..	26.5
Morgantown	Maximum	37	45	44	42	39	35	42	34	46	52	41	65	56	38	33	20	42	56	65	67	68	70	66	64	71	68	44	43	..	..	..	49.8
	Minimum	21	32	37	28	28	28	33	24	20	24	10	34	31	25	14	−6	12	38	41	53	38	38	51	48	58	44	30	24	..	..	..	30.6
New Cumberland§	Maximum	40	44	43	41	33	35	41	33	48	32	39	62	46	40	28	28	42	56	66	70	69	70	56	64	68	63	39	..	..	..	..	48.0
	Minimum	22	27	37	30	27	22	23	27	19	29	11	15	37	21	23	0	1	21	33	38	31	30	30	38	50	50	33	27	..	..	..	26.9
New Martinsville	Maximum	40	46	45	41	43	39	40	35	53	50	45	66	62	42	37	27	45	61	68	71	71	72	65	65	75	68	48	47	..	..	..	52 4
	Minimum	20	33	38	27	30	31	25	27	20	28	17	24	32	27	20	−3	19	28	28	38	30	30	41	48	57	47	35	31	..	..	..	29.7
Parkersburg	Maximum	49	50	46	43	37	41	40	37	60	37	44	65	49	40	31	27	48	61	69	68	70	71	58	69	77	62	42	49	..	..	..	51.1
	Minimum	20	36	33	32	31	32	31	26	25	26	20	28	33	29	10	5	24	36	36	45	35	36	48	46	59	41	33	31	..	..	..	31.7
Parsons	Maximum	44	46	52	44	40	36	38	48	54	54	44	62	49	38	30	25	44	58	59	45	59	58	50	73	65	66	45	46	..	..	..	48.9
	Minimum	18	33	28	29	30	29	28	21	12	27	15	18	32	27	14	−8	7	27	28	27	29	33	35	40	40	43	31	26	..	..	..	25.7
Pickens	Maximum	35	40	50	47	38	35	44	34	47	38	43	55	45	35	25	26	28	54	61	65	67	69	54	65	68	60	48	53	..	..	..	47.6
	Minimum	5	26	28	26	23	21	25	10	5	18	4	20	20	18	11	−20	1	21	27	31	24	29	41	37	51	33	25	20	..	..	..	20.7
Terra Alta	Maximum	32	38	37	36	34	30	39	31	47	47	36	57	50	33	28	15	38	51	59	62	64	67	57	61	66	64	41	43	..	..	..	45.1
	Minimum	18	29	35	27	24	25	29	19	5	22	8	13	29	21	15	−8	−3	25	32	45	35	27	43	45	54	41	27	21	..	..	..	25.1
Wellsburg	Maximum	44	43	45	42	40	35	39	33	48	48	38	63	60	38	35	23	42	57	65	68	68	70	60	62	69	65	46	43	..	..	..	49.6
	Minimum	19	34	38	28	29	26	31	25	26	28	14	29	33	23	17	−1	23	28	28	34	28	27	36	43	54	46	32	28	..	..	..	28.5
Weston	Maximum	40	45	55	51	40	35	40	38	55	50	43	65	60	40	39	35	45	59	62	65	68	67	65	58	75	74	64	48	..	..	..	53 0
	Minimum	12	32	40	35	32	30	31	28	20	25	18	22	31	28	25	−12	10	31	30	25	30	31	28	44	58	55	37	28	..	..	..	28.4
Wheeling§	Maximum	40	45	44	40	35	38	40	52	38	38	38	66	48	42	30	29	42	62	74	73	76	64	56	64	71	64	42	49	..	..	..	50.0
	Minimum	20	23	34	25	26	25	26	24	24	21	12	13	38	24	22	−2	−1	21	30	28	30	36	32	44	50	54	32	25	..	..	..	25.4
Southern Division																																	
Bluefield	Maximum	41	..	56	56	56	51	55	49	..	56	50	60	53	39	38	..	47	57	64	66	66	..	..	70	72	71	55	57	..	..	..	55.9
	Minimum	16	..	33	39	34	30	34	24	..	20	19	34	34	24	25	..	2	35	36	39	33	..	..	35	52	51	32	31	..	..	..	31.0
Charleston§	Maximum	44	55	68	50	40	56	52	42	64	50	60	70	50	52	32	40	54	64	72	74	74	74	74	74	80	64	64	64	..	..	..	59.1
	Minimum	18	18	42	34	34	34	30	30	21	32	20	20	26	30	30	3	5	30	32	32	34	32	34	46	45	50	34	32	..	..	..	29.7
Gary §	Maximum	44	47	60	64	43	55	55	36	59	43	54	65	51	43	34	35	54	62	67	68	68	73	61	73	78	67	58	61	..	..	..	56.4
	Minimum	15	15	36	35	39	31	28	29	21	29	19	19	22	31	27	5	15	30	28	28	29	29	30	45	43	46	30	31	..	..	..	28.0
Hinton §	Maximum	38	50	62	50	42	56	56	36	57	44	53	63	51	45	34	35	53	63	69	72	71	73	51	72	80	69	60	63	..	..	..	56.1
	Minimum	11	14	32	33	36	32	28	29	21	27	20	20	22	31	27	3	4	26	27	28	29	30	30	42	45	46	33	32	..	..	..	27.1
Huntington	Maximum	43	54	60	50	50	51	47	47	62	52	52	68	62	62	38	38	56	64	71	72	72	75	63	73	80	73	73	52	..	..	..	57.3
	Minimum	19	35	42	37	35	34	30	32	27	33	20	30	36	30	21	6	28	31	30	36	31	33	34	46	58	49	36	31	..	..	..	32.2
Lewisburg	Maximum	37	43	54	52	42	48	53	47	52	53	45	57	55	40	38	29	44	55	61	63	66	67	65	66	74	71	55	57	..	..	..	53.2
	Minimum	4	28	35	30	34	30	26	27	17	30	18	19	36	27	23	−2	16	21	23	26	25	27	36	41	49	53	43	28	..	..	..	27.5
Marlinton	Maximum	34	41	50	38	38	40	48	32	44	44	42	52	44	34	32	24	34	52	60	62	64	62	52	58	68	60	50	52	..	..	..	46.9
	Minimum	2	28	28	26	32	28	24	21	10	22	12	12	34	26	20	−4	14	16	22	24	22	24	28	40	42	40	32	24	..	..	..	23.3
Point Pleasant	Maximum	40	51	56	50	43	45	45	45	60	45	48	68	60	41	36	30	52	64	69	70	70	74	66	75	78	71	51	54	..	..	..	55.7
	Minimum	18	34	42	31	31	31	27	29	32	30	12	25	33	26	22	6	25	28	27	31	30	31	45	42	59	46	33	28	..	..	..	30.5
Ravenswood	Maximum	39	50	53	48	45	41	44	39	55	56	46	62	63	42	39	28	49	60	67	69	71	72	69	72	76	75	57	49	..	..	..	55.0
	Minimum	18	35	44	29	32	32	26	30	22	31	17	28	33	28	23	1	23	29	28	31	30	31	43	43	52	47	34	28	..	..	..	30.4
Robertsburg§	Maximum	42	52	63	46	35	47	45	40	60	40	52	66	46	40	30	33	53	63	69	70	72	73	60	74	78	61	47	56	..	..	..	54.0
	Minimum	16	18	38	32	31	32	28	31	23	32	15	18	26	26	27	−3	2	29	29	29	29	31	32	45	48	56	33	28	..	..	..	28.0
Ryan	Maximum	38	47	52	44	41	43	41	36	60	53	40	67	53	40	36	30	50	55	65	65	66	70	55	70	75	65	50	53	..	..	..	52.2
	Minimum	10	29	43	25	29	29	23	27	16	28	12	27	31	27	30	−13	16	23	23	25	23	26	36	38	46	44	29	23	..	..	..	26.0
Spencer §	Maximum	41	51	57	45	44	44	45	39	69	40	47	66	48	42	30	28	50	62	69	69	71	77	56	71	76	64	53	52	..	..	..	53.0
	Minimum	16	36	41	31	33	33	29	29	20	31	17	25	46	27	26	−7	20	28	30	35	29	29	42	43	56	57	34	27	..	..	..	30.8
Sutton	Maximum	41	52	57	57	47	42	44	44	58	58	48	62	62	43	40	29	48	60	68	70	70	75	75	68	75	75	65	56	..	..	..	56.8
	Minimum	11	32	42	30	31	32	27	29	18	30	12	20	35	29	20	−10	9	26	26	29	27	29	40	44	55	53	34	28	..	..	..	28.1
Union	Maximum	33	..	52	51	53	46	54	53	..	52	43	56	57	48	42	..	45	55	62	65	67	69	..	70	74	75	62	58	..	..	..	56.3
	Minimum	2	..	31	31	35	29	25	26	..	18	15	22	39	26	23	..	3	21	23	26	25	28	..	39	47	56	32	29	..	..	..	27.1
White Sulphur Spgs§	Maximum	43	55	48	43	43	51	32	36	39	43	45	45	40	32	28	37	54	60	65	65	65	47	58	71	66	55	55	..	..	..	..	48.9
	Minimum	28	35	29	34	32	23	23	15	23	14	15	17	28	23	−5	−1	20	20	23	22	24	27	39	42	56	32	30	29	..	..	..	24.9
Williamson§	Maximum	45	53	65	48	59	55	60	65	45	40	60	55	45	35	40	55	60	50	50	65	60	65	75	81	64	66	67	..	..	..	..	58 6
	Minimum	23	25	30	48	36	32	34	36	34	25	25	37	34	30	5	20	35	33	35	36	40	45	45	50	54	34	36	39	..	..	..	34.1

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 3-28-30—900)

UNWE
MAY 5 1930
UNIVERSITY OF ILLINOIS

U.S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXVIII PARKERSBURG, W. VA., MARCH, 1930 No. 3

GENERAL SUMMARY

March averaged considerably colder and somewhat drier than usual. There was but one outstanding warm period. On the 16-18th buds formed on cherry, plum and peach trees but bud development was checked by colder weather during the last two decades. With the exception of one or two days, the minimum temperatures were below freezing in nearly all parts of the State after the 19th. The precipitation was well distributed throughout the month and generally favorably distributed over the State. As a rule the winds were light to moderate. The fruit crop was believed safe at the close of the month. Farm work advanced normally.

TEMPERATURE

The monthly mean for the State, determined from 44 stations, was 40.3°. The departure from the normal for 37 stations having ten or more years of record was −2.3°. Moderately cold weather prevailed from the 2d to the 5th, 21st to the 24th, and from the 25th to the close of the month, with lowest temperature on the 3d. The temperature fell to zero at only one station, Pickens. The temperature was somewhat to considerably above the normal on the 6-7th, 10-11th, 16-18th, and 24th, the highest readings being observed on the 16th and 17th.

PRECIPITATION

The average precipitation for the State, determined from 81 stations, was 3.21 inches. The departure from the normal for 56 stations having ten or more years of record was −0.73 inch. Most of the precipitation was received on the 2-3d, 7-8th, 11-12th, 18-19th and 25-26th, the greatest amounts being measured on the 7-8th and 18-19th. Most of the snowfall was measured on the 2-3d and 26th, although light snow or snow flurries were reported on several other days at the more elevated stations.

MISCELLANEOUS PHENOMENA

Fogs, dense: Hinton, 10th; Terra Alta, 8th and 19th; Wheeling, 6th, 16th, 17th, 24th, and 29th.

Hail: Crawford, 2d; Parkersburg, 1st; Parsons, 25th.

Halos, lunar: Parkersburg, 10th and 11th.

Sleet: Bayard, 8th and 19th; Marlinton, 7th and 26th; New Cumberland, 12th; Pickens, 19th.

MISCELLANEOUS PHENOMENA (Continued)

Thunderstorms: Aberdeen, 2d; Bruceton Mills, 1st; Crawford, 2d; Hinton, 7th; Jane Lew, 2d; Mannington, 2d; Parkersburg, 1st; Ryan, 2d, 7th, and 25th; Wheeling, 18th and 25th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m	local noon	8 p. m	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	29.89	76	56	57	248.1	67	7,136	9.6	28	sw.	26
Columbus, Ohio	29.87	77	56	66	172.1	46	8,451	11.4	40	w.	12
Elkins	29.90	83	58	67	212.7	57	5,182	7.0	27	w.	2
Lexington, Ky	29.94	78	60	...	194.8	52	11,213	15.1	40	w.	26
Parkersburg	29.90	77	50	57	163.3	44	5,242	7.0	30	nw.	11
Pittsburgh, Pa.	29.86	77	65	62	181.0	49	8,702	10.4	48	w.	12
Wytheville, Va.	29.88	70	51	58	216.0	58	6,069	8.2	32	w.	26

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	34.9	......	......	4.91							
1892	36.4	87	8	3.50	......	......	......	......	......	......	......
1893	40.7	84	3	1.49	2.89	0.89	5.2	9	8	8	15
1894	45.8	88	1	1.94	3.05	0.75	1.9	8	15	9	7
1895	39.6	90	0	3.05	4.75	0.89	7.9	11	11	9	11
1896	36.1	76	−10	4.45	8.40	1.76	......	13	10	8	13
1897	46.1	81	12	3.60	6.52	1.33		12	9	10	12
1898	48.5	86	9	5.13	10.05	1.25	T.	12	8	9	14
1899	42.5	76	0	5.82	8.48	2.40	4.5	13	7	9	15
1900	38.5	78	−5	3.79	6.48	2.18	14.7	12	7	9	15
1901	42.9	83	−11	3.23	5.27	0.90	2.3	12	8	8	15
1902	43.4	80	−5	4.30	6.29	3.00	15.0	11	10	9	12
1903	51.3	87	13	4.47	6.59	2.70	0.2	11	10	9	12
1904	43.8	86	7	4.12	6.10	1.38	1.9	11	9	8	14
1905	46.6	88	−2	4.10	6.46	1.45	0.7	10	14	7	10
1906	37.3	75	−7	4.77	8.11	1.98	13.4	14	7	6	18
1907	49.6	94	2	4.77	8.18	1.05	4.2	12	12	8	11
1908	47.8	89	15	6.04	8.60	1.23	1.1	13	11	8	12
1909	40.8	83	10	3.38	8.66	1.10	4.7	13	9	10	12
1910	49.5	90	5	0.55	2.25	0.04	1.1	4	18	9	4
1911	40.5	90	−5	3.30	7.86	1.12	5.2	12	11	8	12
1912	39.9	80	6	5.02	9.36	1.78	5.1	15	8	7	16
1913	45.7	89	−3	4.53	7.90	1.77	2.7	12	11	9	11
1914	37.3	83	−13	3.03	7.11	0.89	17.7	12	10	8	13
1915	34.4	63	7	1.61	4.32	0.53	6.7	8	12	7	12
1916	38.5	88	−4	4.88	9.88	2.49	9.0	13	11	7	13
1917	41.9	85	−3	6.58	14.20	3.10	11.6	14	14	4	13
1918	46.5	85	9	4.26	9.37	1.55	0.1	9	16	5	10
1919	44.5	81	12	2.92	4.81	1.60	0.8	9	16	6	9
1920	42.8	83	−5	3.38	8.87	1.40	3.1	9	17	5	9
1921	52.7	90	10	2.84	5.75	0.63	T.	10	14	8	9
1922	45.0	85	0	5.33	8.19	1.40	3.3	15	10	5	16
1923	41.7	82	−4	3.23	5.50	0.88	3.2	10	15	5	11
1924	38.9	83	4	4.16	7.86	1.60	9.9	11	10	7	14
1925	43.6	82	−12	3.25	6.59	1.00	2.2	11	12	6	13
1926	35.9	75	−9	2.87	9.82	0.35	10.0	13	10	7	14
1927	45.4	89	5	2.66	4.97	0.20	1.0	9	11	6	14
1928	41.4	86	−3	3.87	7.64	1.32	16.3	12	10	9	12
1929	46.7	92	−2	3.47	6.65	1.27	4.8	12	12	6	13
1930	40.3	79	0	3.21	6.03	0.20	6.9	11	14	6	11
1891–1930	42.6	94	−13	3.80	14.20	0.04	5.5	11	11	8	12

Climatological Data for March, 1930

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	29	38.3	+0.6	67	17	5	3	47	3.25	−1.21	1.16	20.5	12	13	2	16	sw.	U. G. Clark
Brandywine	Pendleton	1,586	14	38.8	−3.6	66	16	10	3	45	1.30	−1.58	...	3.0	5	19	2	10	s.	Elmer Keister
Harpers Ferry	Jefferson	244	41	...	...	...	...	...	...	...	3.26	+0.30	2.40	T.	4	...	...	...	...	J. C. Newcomer
Martinsburg	Berkeley	435	38	^{a}41.0	−0.3	75^{a}	17	18	22	47^{a}	2.76	−0.54	1.80	T.	7	22	9	0	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	34	44.0	+0.1	74	16†	15	3†	52	1.42	−1.23	0.65	T.	4	...	...	...	...	M. S. Henkel
Piedmont	Mineral	1,053	17	39.0	−3.6	70	11	13	3	44	1.32	−1.68	0.63	1.8	8	18	6	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	32	^{b}39.8	−2.8	79^{b}	25	14^{a}	4†	54^{c}	1.89	−1.13	0.90	T.	5	15^{a}	8^{a}	7^{a}	.	George E. Bergdoll
Stony River Dam	Grant	3,300	10	...	...	...	...	...	...	...	4.06	+0.82	1.70	21.5	12	6	10	15	w.	A. C. Becker
Upper Tract	Pendleton	1,230	31	41.1	−1.8	70	16†	11	2	48	0.20	−2.10	0.10	1.0	2	9^{f}	0^{f}	16^{f}	w.	J. M. Mallow
Wardensville	Hardy	1,200	13	...	...	71	14†	...	...	...	1.10	...	1.00	T.	3	15^{h}	4^{h}	4^{h}	nw.	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	6	...	...	...	...	...	...	...	3.46	...	0.65	4.9	13	14	7	10	w.	L. Else Bond
Alma (near)	Tyler	...	3	...	...	...	...	...	...	...	4.33	...	1.07	5.5	12	14	8	9	...	D. N. Furbee
Alpena	Randolph	2,571	0	34.9	...	64	16	3	3	46	3.87	...	0.75	19.0	11	15	8	8	w.	Christian Hertig
Benson	Harrison	1,080	6	41.0	...	73	2	10	3	51	3.86	...	0.85	5.0	11	15	10	6	...	John A. Clark
Bens Run	Pleasants	652	28	42.5	−0.7	71	16	13	3	41	4.03	−0.11	1.37	6.0	9	16	5	10	...	J. D. Riggs
Brownsville	Lewis	1,032	7	41.8	...	70	13†	10	3	45	8.07	−0.34	0.55	3.0	12	16	8	7	...	George M Meyers
Bruceton Mills	Preston	1,549	13	...	...	...	...	...	...	...	3.46	+0.05	1.21	5.0	8	10	9	12	sw.	Mrs. Ola Wolf
Buckhannon	Upshur	1,411	33	39.8	−0.8	68	14	10	3	40	3.60	−0.92	0.75	8.0	9	19	2	10	...	H. A. Darnall
Clarksburg	Harrison	1,015	8	38.6	...	72	24	11	3†	46	3.17	...	0.63	3.5	14	12	10	9	w.	Clarksburg Water Board
Cortland	Tucker	3,300	19	...	...	...	...	...		...	2.39	−1.76	1.15	13.0	7	11	12	8	..	G. W. Harmon
Crawford	Lewis	1,107	7	...	...	...	...	...	...	...	3.07	...	0.78	6.5	12	12	14	5	nw.	George W. Blair
Creston	Wirt	640	28	42.7	−1.5	72	16†	12	3	47	4.21	+0.19	0.93	2.0	11	16	0	15	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	9	...	...	...	...	...	...	...	5.03	...	1.01	...	11	...	...	...	...	Lockmaster
Dam 12 O. R	Ohio	660	14	...		...	...	...	...	...	4.04	+0.75	0.80	...	12	...	...	...	...	Lockmaster
Dam 13 O R.	Ohio	655	14	...	...	...	...		...	...	3.57	+0.56	0.80	...	16	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	9	...	...	...		...	...	...	3.55	...	0.76	6.5	14	...	...	...	...	Lockmaster
Davis	Tucker	3,093	21	...	...	...			...	...	3.72	−0.77	1.50	...	15	...	...	...	...	Ross C. Male
Elizabeth (Dam 3 L. K)	Wirt	615	18	...	...	...	...		...		3.57	−0.51	1.00	...	6		...	...	...	Lockmaster
Elkins	Randolph	1,947	29	36.6	−3.4	65	16	7	5	41	3.47	−0.33	0.33	11.2	15	10	7	14	w.	U. S. Weather Bureau
Fairmont	Marion	883	24	40.2	−1.8	72	16†	11	3	43	3.17	−0.77	1.13	8.0	11	14	8	9	w.	J. C. Robinson
Glenville	Gilmer	738	36	43.2	−1.1	74	17	12	3	46	3.98	−0.26	0.88	2.8	13	16	8	7	w.	Howard R. Brannon
Grafton	Taylor	1,000	37	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Curtis Boice
Horner	Lewis	1,044	7	...	...	...	...	...	...	..	3.20	...	0.55	...	9	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	5	...	...	...	...	...	...	...	4.26		0.82	30.1	11	16	2	13	w.	J. W. White
Janelew (near)	Lewis	1,020	7	41.6	...	71	16	10	3	45	2.67	...	0.60	1.0	8	20	4	7	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	32	40.6	−1.8	70	16†	10	3	46	3.61	−0.48	0.87	5.0	13	15	2	13	w.	Allen Smith
Mannington	Marion	985	27	39.5	−2.4	69	17	11	3	43	4.64	+0.89	1.00	12.6	11	12	8	11	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	37	40.0	−2.0	68	16†	3	9	40	2.89	−0.70	0.90	4.0	6	13	4	14	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	32	36.2	−3.8	70	16†	11	3†	48	3.05	−0.18	0.89	8.0	16	7	9	15	n.	C. H. Hesse
New Martinsville	Wetzel	634	36	42.4	−1.2	73	16†	12	3	45	4.15	+0.50	1.20	6.0	10	11	3	14	s.	Wm. Ankrom
Parkersburg	Wood	638	43	40.8	−2.0	71	16	13	3	38	3.55	+0.66	1.05	5.1	11	10	8	13	sw.	U. S. Weather Bureau
Parsons ††	Tucker	1,649	30	37.4	−2.9	68	17	14	23	37	3.67	−0.39	0.90	11.0	8	23	1	7	. .	J. W. Swisher
Parsons No. 2	Tucker	...	4		...	...	...	...	...	.	3.16	−0.90	0.80	11.0	14	16	6	9	...	Robert T. Deem
Philippi	Barbour	1,550	33	...		...	...	...	...	...	3.90	−0.30	0.99	...	13	...	...	...	...	Prof. W. W. Thomson
Pickens	Randolph	2,697	27	34.0	−5.4	67	16	0	3	40	6.03	+0.11	1.20	33.0	12	17	4	10	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	7	...	...	...	...	...	...	...	3.24	...	0.73	6.5	13	17	2	12	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	43	..	...	...	...	...	...		2.96	−1.34	0.82	20.5	14	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	21		...	...	...	...	...	...	4.33	−0.71	1.05	2.5	13	...	.	...	sw.	Wm Hughes
Terra Alta	Preston	2,559	29	^{a}34.3	−4.7	64^{a}	16	4^{a}	3	45^{a}	2.20	−2.62	0.60	8.6	14	5	7	19	w.	J. J. Shanahan, E. M.
Thomas	Tucker	1,112	1		...	...		...	...	...	3.05	...	1.46	12.0	10			...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	7	41.8	...	70	16†	12	3	43	3.50	...	0.75	4.0	10	20	4	7	w.	J. C. Campbell
Vandalia††	Lewis	1,120	7		...	...	...	...	...	...	1.48	...	0.60	3.5	8	...	...	...	...	Creed H. McCue
Wellsburg	Brooke	668	23	38.8	−0.4	71	16†	12	3	46	2.58	−0.65	0.85	4.0	7	15	4	12	w.	George P Pfister
West Milford	Harrison	979	5	...	.	...	...	...	...		3.10	...	1.00	...	7	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	35	41.6	−2.2	68	16†	10	3	39	3.77	−1.00	0.85	...	11	11	13	7		Weston State Hospital
Wheeling	Ohio	645	43	^{a}37.2	−4.0	76^{a}	16†	7	3	50^{a}	3.80	+0.70	0.93	9.5	14	13	3	15	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	3	...	...	.		...	...	.	4.39	...	0.95	5.2	13	6	9	16	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	4	...	...	...	...	...	...	...	2.76	...	1.15	9.5	11	14	9	8	w.	H. S. Sutton
Bancroft	Putnam	574	26	41.4	−3.1	72	13†	13	3	42	3.50	−0.44	0.90	3.2	11	19	9	12	ne.	R. E. Dent
Bluefield ^{c}	Mercer	2,558	35	42.0	−2.3	68	17	6	3	43	1.52	−2.14	0.62	1.5	10	19	0	7	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	15		...	...	...	...	...	...	3.24	−1.21	0.80	11.0	6	...	..	.	...	Miss Katie Jarvis
Charleston	Kanawha	600	27	44.4	−3.6	78	16	14	3	48	3.54	−0.78	0.84	0.5	10	16	0	15	...	R. O. Fields
Clay	Clay	706	14	...	.	...	...	...	...	...	3.68	−0.15	0.80	9.1	13	...	...	...	...	Chilton Wilson
Dam 6 G. K	Kanawha	598	4	...	...	...		...	...	...	...	...	...	...	...	...	.	...	...	Lockmaster
Dam 19 O. R.	Wood	600	14	...	..	...		...	...	...	3.73	−0.27	1.10	..	12	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	14	...	...	...	...	...	...	...	3.50	−0.42	0.95	...	10	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	3	...	...	...	...	...	...	..	2.72	...	0.95	...	12	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	14	...	...	...	...	...	...	...	2.34	...	0.75	...	10	...	...	...	...	U. S. Engineers Office
Gary	McDowell	1,426	14	40.9	−2.5	71	16	13	3	48	2.10	−1.44	0.60	1.5	9	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	33	41.2	−3.0	77	16	12	3	46	2.01	−2.04	0.64	...	12	16	2	13	...	Mrs. M. L. McClung
Huntington ††	Cabell	538	33	47.2	+2.6	76	13	15	3	44	2.59	−1.74	0.58	3.2	14	8	13	10	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	11	. .	...	...	...	.	...	...	2.27	...	0.58	...	8	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	14	...	...	. .		...	...	.	2.91	−2.65	0.47	5.0	14	...	...	...	...	Cabin Creek. Con Coal Co
Kermit	Mingo	579	4	...	...	...	...	...	...	.	2.19	...	0.50	7.5	12	...	...	...	...	E. B. Kirk
Lewisburg	Greenbrier	2,250	30	40.6	−1.5	69	17	9	3	43	1.04	−2.66	0.42	2.0	5	12	6	13	nw.	Geo. T. Argabrite
Logan	Logan	700	27	...	...	...		...	...	...	2.58	−2.67	0.85	...	11	...		...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	31	35.1	−3.2	62	13†	4	3	44	3.45	−0.87	1.16	4.0	10	7	21	3	nw.	S. L. Brown
Point Pleasant	Mason	595	37	44.4	−1.0	76	16†	12	3	46	3.35	−0.80	1.13	1.0	13	19	4	8	w.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	7	43.6	...	70	13†	14	3	39	3.20	...	0.86	...	12	7	0	24	ne.	Lockmaster
Robertsburg	Putnam	570	30	40.4	−4.2	74	16	14	3	44	2.62	−1.46	0.82	3.0	11	12	0	19	..	M. Frazier
Ryan	Roane	700	27	38.7	−5.2	75	16	7	3	50	4.23	−0.09	1.07	8.5	11	12	7	12	...	Wm E. Ryan
Sharples	Logan	...	10		...	...	...	...	...	..	2.85	−0.78	0.63	...	8	...	.	...	...	R. W. Howard
Spencer	Roane	789	26	41.4	−1.5	72	16	12	3	42	4.13	+0.19	0.82	6.0	11	6	13	12	...	A. M. McKown
Sutton	Braxton	850	24	42.4	−3.2	72	16†	12	3†	44	3.67	−0.36	0.65	6.0	13	17	0	14	...	C. B. Eakle
Union ^{c}††	Monroe	2,250	26	42.8	−0.2	72	17	7	3	46^{f}	1.99	...	0.71	2.5	13	9	7	10	...	W. M. H. Young
Wayne	Wayne	598	3	...	...	...	...	...	...	...	3.22	...	0.62	...	11	...	...	.	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	20		...	.	...	...	...	...	...	...	...	.	...	...	...	...	...	H E. Green
Williamson	Mingo	673	30	^{a}46.5	−0.3	76^{a}	16	19	3	40^{a}	4.06	−0.54	0.62	0.5	13	14	0	17	ne.	Mrs. T W Lowe
State averages and	extremes	...	...	40.3	−2.3	79	25	0	3	54	3.21	−0.73	2.40	6.9	11	14	6	11	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for March, 1930

Stations	Drainage-basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Panhandle Division																																	
Bayard|||	Potomac	.03	.13	.06	T.			.03	1.16	.11		T	.17	.19					.54	T.		T				.02	.32	.16	T	T			3.25
Brandywine	do		.10					*	.90			.10	.20																				1.30
Harpers Ferry	do		T	T					2.40			T	.15	T						.18						T	.23						3.26
Martinsburg||	do			T					1.80			.01	.15	.10						.25						.05	.40	T					2.76
Moorefield	do		T.					.65					.31						.16								.30						1.42
Piedmont	do		T	.10	.04			.63	.10			.11	.05						.18	.08							T	T					1.32
Romney	do		T.	T.					.90			.15		.13						.36							.35						1.89
Stony River Dam	do		.08	.32				.16	.32				.24	.08					.64	1.70		.04					.16	.16	.16				4.06
Upper Tract	do		.10							.10			T					T								T	T.	T					0.20
Wardensville	do			T	T.			T.	T	1.00		.05	T.					.05								T	T.						1.10
Northern Division																																	
Aberdeen	Monongahela		.34	.07	.05			.36	.43	.08		.33	.18						.65	.33		T.				.37	.18	.09	T.				3.46
Alma (near)	Ohio		.79	.05	.01			.98	.22	.01		.48							1.07	.20						.30	.18	.04					4.33
Alpena	Monongahela		.32	.24	.16			.55	.20			.15	.32						.70	.75						T.	.32	.16		T.			3.87
Benson	do		.50	.02				.85	.30			.50	.34						.48	.31						.29	.21	.06	T				3.86
Sens Run	do		.47		.07			.93	.21			.47							1.37	.15						.11	.25						4.03
Brownsville	do		.37	T.				.55	.34	.03		.41	.03						.54	.28		.02				.21	.21	.08					3.07
Bruceton Mills	do		.24	.16	.08			T	.21			.46	.80						1.21							.30	T	T.	T.		T.		3.46
Buckhannon	do		.42	T.	T			.40	.54			.40	.10						.75	.36		T				.35	.28						3.60
Clarksburg||	do		.39	.10	.02			.24	.52	.18		.35	.07						.21	.63		.02					.35	.04	.05				3.17
Portland||	do		.32	.16				.16	.20										1.15								.16	.24					2.39
Crawford|||	Little Kanawha		.36	.03					.41	.07		.43	.03						.78	.40		.04				.35	.04	.13					3.07
Preston	Monongahela	.10	.26	.34				.44	.93	.32		.43	.08							.79							.45	.07					4.21
Dam 10, Mon. R.|||	Ohio		.65	.94				.04	1.01	.30		.24	.31	.06					.20	.96							.32	T.					5.03
Dam 12, O. R.|	do		.80	.01	.04	T.		.06	.77	.36		.75	.11	T.					T	.58		T.				.01	.45	.10	T.		T.	T.	4.04
Dam 13, O. R.	Monongahela		.75	.05	.01	.01		.06	.80	.05		.16	.14	.01					.06	.72		T.				.04	.34	.25	.12				3.57
Dam 15, Mon. R.||	do	.03	.12	.54	.03			.11	.61	.18		.17	.26	.08					.12	.76							.37	.17					3.55
Davis	do		.20	.15	.12	.03	.01	.16	.31	.13		.12	.32	T					.11	1.50		.05					.32	.19	T.				3.72
Elizabeth (Dam 3 L. K.)	Little Kanawha		T.					.80	.80			.52	.12							1.00						.33	T.						3.57
Elkins***	Monongahela	.02	.55	.04	.09			.33	.50	.01		.39	.08					T.	.82	.18		.04				.19	.21	.02	T.			T.	3.47
Fairmont||	do		.30	.08	.08	T.		.18	.38	.16			.15						.20	1.13							.35	.16	T.		T.	T	3.17
Glenville||	Little Kanawha		.22	.09	.06			.46	.71	.28		.42	.24						.06	.82		.04					.22	.36					3.98
Grafton||	Monongahela																																......
Horner	do		.25					.30	.45	.50			.15						.55			.30				.30	.40						3.20
Horton	do		.40		.57			.82	.16			.24	.52						.38	.24						.21	.32	.40					4.26
Janelew (near)	do		.32					.30	.25			.30							.60	.35						.20	.35						2.67
Lost Creek	do	T.	.25	T	.04			.87	.48	.04		.50	.06						.61	.16		.04				.40	.11	.05	T.		T.		3.61
Mannington	do		.70	.05	.08		.01	.90	.23	.07		.56	.11						1.00	.36		T.				.32	.17	.08					4.64
Morgantown	do		.32	T.	T			.70	.35			T.	T.						.90	.40			T.			.22	T.	T.	T.				2.89
New Cumberland||	Ohio		.32	.06	.02			.07	.89	.04		.37	.11	.02					.08	.23		.02				.14	.56	.08	.04			T.	3.05
New Martinsville	do		.55	T.	.10			.85	.25		.45		T.						1.20	.10						.25	.30	.10			T.		4.15
Parkersburg ***	do	.19	.34	T.	T.			1.01	.18		T.	.24	.01					.10	1.00			T.			.02	.33	.13	T.					3.55
Parsons	Monongahela		.32	.08					*			T.	T	.08					.89	.90						.49	.75	.16					3.67
Parsons No 2	do		.27	.09	.09			.18	.35	.02		.23	.11						.80	.40		.03				.20	.36	.03					3.16
Philippi	do		.03	.40	.06			.22	.32	.05		.75	.20						.58	.99		.05					.05	.20					3.90
Pickens	do	T.	.80	.16				.96	.32	.16		.85	.24						1.20	.35		T.				.27	.48	.24					6.03
Roanoke	do		.38	.17	.05			.38	.47	.02		.48	.01						.72	.01						.31	.17	.07					3.24
Rowlesburg||	do		.28	.18	.07				.22	.24		.04	.28	.06					.11	.82	.05	.04					.38	.17	.02	T.			2.96
Saint Marys||	Ohio		.55	.15	.02			.33	.80	.12		.41	.12						.32	1.05						.01	.35	.10					4.33
Terra Alta	Monongahela	T.	.26	.02	.03	T.		.02	.30	.03		.25	.12					T.	.60	.26		T.				.06	.21	.03	.01		T.	T.	2.20
Thomas|||	do		.18	.15	.03	.01		T.	.53	.18		T.	.25	T.						1.46		T.	T				.22	.04	T.	T.			3.05
Valley Chapel	do		.40					.75	.42			.53	.16						.38	.36		.02				.25	.23						3.50
Vandalia	do		.24	.08	.08	.04							.20					.14	.60								.10						1.48
Wellsburg	Ohio		.41		T.			.85	.22			.25							.42							.40	T.	.03					2.58
West Milford	Monongahela		.30						1.00	.20		.40							.65	.25						.30							3.10
Weston	do		.32		.10			.50	.60	.22		.30	.33						.05	.85		.10					.40						3.77
Wheeling|||	Ohio		.95	.10	.02	T.		.06	.93	.05		.16	.14	.01	T				.02	.65						.03	.50	.20	T.		T		3.80
Woodlands|||	do		.60		.05			.15	.93	.10	.02	.35	.22						.55	.95						.06	.38	.03			T.		4.39
Southern Division																																	
Arbovale	Great Kanawha		.16		.04			1.15	T.			.25	.24					.01	.37	.06		.01				.15	.32	T.					2.76
Bancroft	do		.35	.08	.04			.50	.90	.22		.37								.60						.05	.35	.04	T.				3.50
Bluefield	do			.10	.04	.07		.62	.03			.15	.20						.14	.15			.02										1.52
Camden-on-Gauley|||	do		T	.60	.50			.30					.44							.60							.80						3.24
Charleston||	do		.40	.04				.22	.82	.34		.30	.08							.84			.10				.40						3.54
Clay||	do		.04	.22	.19			.13	.80	.41		.17	.24	.02						.82	.04						.35	.25					3.68
Dam 6 G. K.||	do																																.....
Dam 19 O. R.||	Ohio		.38	.02	T.	T.	T.	.30	1.10	.24		.25	.04						.04	1.06						.05	.22	.03	T.				3.73
Dam 20 O. R.	do		.40	T.	.02			.30	.95	.17		.28	.12							.92						.08	.26	T.					3.50
Dam 25 O. R.|||	do		.32	.04				.21	.74	.10		.18	.09						.02	.95		.02					.04	.01					2.72
Dam 26 O. R.||	do		.15					.20	.60	.08		.22	.04							.75						.20	.08	.02					2.34
Gary||	Big Sandy		*	.27	T.	T.		.28	.13	.07		.21	.32							.60							.22						2.10
Hinton|||	do		.12	.05	.02	T		.48	.64	.03		.06	.15	T.					.02	.28			.10				.06	T.					2.01
Huntington|||	Ohio		.27	.04	.01			.57	.39	.01		.28	.03						.58	.01		.02				.26	.11	.01					2.59
Kanawha Falls|||	Great Kanawha		.10	.09				.14	.50	.24		.20	.42							.58													2.27
Kayford||	do		.27	.09	.03	T.		.27	.47	.35		.10	.35						.10	.35	.02	.07					.35	.09					2.91
Kermit|||	Big Sandy		.03	.03				.30	.45	.22		.05	.08						.12	.50			.02			.36	.03						2.19
Lewisburg	Great Kanawha		.16		T.			.42				.11		T.					.24			.11				T.	T.						1.04
Logan|||	Guyandotte		.11	.05	T.			.42	.25	.17		.28	.08					T	.12	.55			.20			T.	.35	T.					2.58
Marlinton	Great Kanawha		.10		T.			1.16	.40			.22	.20					T.	.68	.12						.40	.12	.05					3.45
Point Pleasant|||	Ohio		.36	.05	.03			.29	.71	.12		.20	.12							1.13		.02				.19	.08	.05					3.35
Ravenswood (Dam 22)	Ohio		.22	.12	.03			.22	.75	.25		.25	.12						T.	.86						.05	.29	.04					3.20
Robertsburg|||	Great Kanawha		.32	.03	T.			.31	.45	.07		.21	.04							.82						.16	.12	.09					2.62
Ryan	do		.55					1.07	.36	.06		.40	.12						.65	.15		T.				.54	.31	.02					4.23
Sharples|||	Coal River		T.					.63	.52	.21		.32						T.	.35	.40			.32			.10	T.						2.85
Spencer||	Great Kanawha		.16	.16		.50		.27	.82	.24		.40	.29						T.	.81							.40	.08	T.				4.13
Sutton	Gauley		.15	.16	.08			.45	.30	.20		.40	.15						.35	.45		.08				.65	.25						3.67
Union	do			.08	.08			.71	.33			.10	.05					.04	.14			.05	.41				T.	T.					1 99
Wayne|||	Big Sandy		.56					.33	.49	.09		.37	.08							.62			.15			.19	.26	.08					3.22
White Sulpr. Spgs.|||	Great Kanawha																																......
Williamson|||	Big Sandy		.10	.20	T.			.59	.37	.28		.32	.30					.38	.18	.62	T.		.20			.10	.42	T.	T.				4.06

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for March, 1930

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	60	57	18	21	47	53	52	37	43	54	53	39	62	60	51	64	67	63	58	66	60	46	64	60	65	60	46	43	44	47	48	51.9
	Minimum	22	16	5	11	7	21	30	32	25	25	30	26	34	23	22	23	24	20	15	36	32	26	37	40	37	13	24	20	26	30	34	24.7
Brandywine	Maximum	58	55	30	40	50	55	50	44	45	60	55	45	65	65	62	66	65	63	57	52	52	42	52	55	54	47	40	45	46	47	52	52.1
	Minimum	25	23	10	22	20	20	32	32	31	26	27	28	29	28	22	21	31	44	35	22	29	19	12	24	30	26	25	27	28	20	24	25.6
Martinsburg§	Maximum	50	39	30	39	55	55	45	48	52	61	48	45	70	47	45	68	75	69	44	58	52	41	48	65	68	40	44	50	55	59	..	52.2
	Minimum	25	30	19	19	21	27	30	40	35	38	37	35	31	32	24	25	35	44	35	33	38	18	20	25	21	32	30	34	29	28	30	29.7
Moorfield	Maximum	63	63	32	40	59	62	59	48	52	65	66	65	71	71	59	74	74	70	66	61	60	47	55	68	72	57	46	55	58	56	55	59.6
	Minimum	26	28	15	20	17	21	33	35	33	27	32	31	34	29	31	22	30	52	36	28	39	17	15	25	40	29	25	30	29	20	29	28.3
Piedmont	Maximum	52	45	24	30	51	53	42	40	44	58	43	42	68	50	49	69	70	63	58	53	48	35	49	67	66	40	30	42	50	46	49	49.2
	Minimum	27	23	13	19	16	27	34	36	31	36	36	31	41	31	24	25	36	52	31	32	34	17	15	25	40	26	27	29	28	23	28	28.8
Romney §	Maximum	58	34	25	35	56	69	40	45	59	62	50	52	69	50	53	71	..	70	42	59	50	40	54	66	79	39	39	50	55	53	..	52.6
	Minimum	25	29	15	14	14	15	29	33	33	35	36	32	33	29	23	22	30	..	34	32	38	16	17	24	34	29	27	31	29	22	28	26.9
Upper Tract	Maximum	60	51	31	34	55	58	55	40	53	66	59	58	62	67	68	70	70	68	60	56	55	55	55	64	60	42	40	43	48	52	52	55.1
	Minimum	25	10	11	17	21	32	31	31	32	29	40	42	29	27	28	22	35	28	25	49	48	38	15	20	18	13	27	28	30	19	20	27.1
Wardensville	Maximum	..	25	35	40	55	60	50	55	50	62	50	60	69	71	71	67	44	42	50	55	57	57	65	69	50	42	15	50	54	55	..	53.6
	Minimum	..	..	..		..	..		..	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
Northern Division																																	
Alpena	Maximum	62	49	17	23	45	54	50	38	39	52	52	39	60	58	56	64	58	57	53	48	45	35	54	57	56	34	29	39	14	41	44	46.8
	Minimum	33	15	3	11	10	19	33	29	24	22	29	25	34	25	21	25	29	42	24	27	30	11	8	30	33	17	19	22	21	18	24	23.0
Bens Run	Maximum	60	57	26	31	52	60	54	51	60	60	53	50	66	56	59	71	70	66	57	59	53	40	57	70	65	41	38	50	51	47	54	54.4
	Minimum	32	25	13	21	25	32	39	36	30	29	34	34	40	29	29	30	37	55	32	27	25	28	21	32	41	26	28	32	27	34	26	30.6
Buckhannon	Maximum	62	58	24	35	50	58	53	49	45	55	52	44	64	68	57	65	65	60	56	52	47	32	52	67	65	40	36	42	40	48	48	51.3
	Minimum	30	22	10	18	21	28	40	35	28	27	35	32	30	28	27	35	36	55	21	27	32	16	18	29	40	24	25	27	27	25	24	28.2
Clarksburg §	Maximum	63	27	34	39	53	60	55	39	49	61	45	48	48	45	64	70	69	62	13	56	45	40	59	72	64	31	38	45	50	46	53	50.7
	Minimum	28	25	11	11	17	30	35	38	29	25	30	31	24	22	27	27	33	39	32	24	35	18	15	26	38	24	26	28	26	27	22	26.5
Creston	Maximum	64	58	29	37	57	62	60	51	51	61	60	50	71	66	63	72	70	65	60	57	56	44	60	72	66	14	38	48	51	50	54	56.4
	Minimum	28	24	12	21	18	29	39	35	27	29	35	35	45	32	26	28	35	53	33	24	34	20	13	28	42	26	28	26	25	27	22	29.0
Elkins	Maximum	62	50	18	27	48	56	49	42	40	55	50	43	64	49	58	65	61	61	43	51	46	32	54	62	59	34	33	41	46	14	46	48.0
	Minimum	26	14	7	15	7	25	38	30	28	24	31	28	40	28	24	27	32	43	26	26	25	14	13	30	33	21	25	26	26	24	27	25.3
Fairmont§	Maximum	64	28	26	35	55	62	54	39	49	62	49	46	67	51	64	72	72	59	43	58	48	43	60	71	65	32	37	50	52	46	55	52.1
	Minimum	30	25	11	12	20	30	35	39	27	29	33	32	33	28	30	30	38	45	31	26	34	16	18	28	37	25	25	28	28	30	25	28.3
Glenville	Maximum	66	63	29	35	57	65	60	55	52	63	63	53	69	70	65	73	74	69	60	58	58	47	58	72	71	51	40	51	54	52	55	58.3
	Minimum	28	24	12	20	17	28	37	35	31	25	34	34	30	31	25	27	35	52	32	24	30	14	17	28	42	24	26	29	27	27	24	28.0
Grafton	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
Lost Creek	Maximum	62	60	25	30	54	63	58	52	48	59	59	48	67	65	62	70	69	60	57	55	55	45	58	70	66	50	35	45	51	48	51	54.7
	Minimum	25	22	10	17	20	25	38	34	28	25	31	31	35	30	24	25	34	50	30	24	33	15	13	24	39	24	24	26	25	25	20	26.6
Mannington	Maximum	61	55	24	32	50	59	52	45	47	57	53	46	65	61	57	68	69	64	57	54	52	37	51	68	63	42	36	43	49	46	49	52.0
	Minimum	26	22	11	19	12	31	34	34	26	24	34	31	31	28	26	26	32	53	31	24	34	16	14	25	39	25	26	30	25	26	22	27.0
Morgantown	Maximum	62	57	23	31	50	53	53	42	46	56	54	46	64	58	58	68	63	62	62	54	50	48	55	68	64	39	35	35	42	49	50	51.5
	Minimum	30	21	9	16	24	29	39	34	27	32	32	28	37	26	26	33	44	54	27	29	30	14	15	39	36	22	24	24	28	28	26	28.5
New Cumberland§	Maximum	53	28	24	34	43	57	46	49	46	57	44	46	61	43	57	70	70	38	41	57	39	35	49	66	54	32	33	43	48	10	..	46.8
	Minimum	40	24	11	11	19	22	23	36	27	29	34	30	31	23	23	27	30	37	29	28	28	14	13	18	41	24	24	27	24	27	24	25.7
New Martinsville	Maximum	60	58	27	33	53	64	58	50	51	61	57	50	67	62	63	73	72	68	55	58	56	40	57	72	67	44	37	45	51	49	53	55.2
	Minimum	31	23	12	21	21	31	36	35	30	28	35	33	37	29	28	28	37	34	32	27	34	18	18	30	42	26	28	32	26	32	26	29 7
Parkersburg	Maximum	59	34	28	36	54	60	53	46	50	59	56	49	68	46	57	71	70	60	43	58	50	35	57	68	52	33	37	45	51	43	53	51.0
	Minimum	34	19	13	21	28	34	44	35	32	33	34	34	41	31	30	33	43	34	32	30	26	20	23	37	33	26	31	32	29	30	27	30.6
Parsons	Maximum	64	47	30	30	36	55	50	40	45	46	49	44	65	57	58	59	68	62	58	53	47	36	50	64	61	35	34	36	49	46	49	49.2
	Minimum	30	21	20	19	18	23	35	33	25	28	29	25	33	27	26	29	31	32	29	26	25	15	14	27	35	21	31	15	26	24	27	25.7
Pickens	Maximum	61	48	27	28	45	55	47	42	40	54	45	41	62	52	62	67	55	55	52	50	42	38	44	59	60	35	35	42	47	45	45	47.7
	Minimum	25	10	0	9	10	21	33	24	20	20	25	21	28	23	23	27	23	44	20	18	25	11	9	32	29	13	16	18	16	17	18	20.3
Terra Alta	Maximum	57	54	17	22	45	51	48	35	39	51	47	37		51	49	64	62	56	54	49	46	36	52	62	57	34	28	35	44	41	43	45.5
	Minimum	25	17	4	11	12	23	32	29	23	29	28	24	..	22	23	24	42	50	23	25	26	8	7	23	34	18	19	22	23	21	25	23.1
Wellsburg	Maximum	54	54	25	32	48	56	59	46	48	58	55	47	63	51	51	71	71	66	42	57	55	38	49	67	65	39	34	42	50	43	51	51.2
	Minimum	26	21	12	18	17	21	34	35	28	26	35	31	29	23	22	25	34	37	30	27	30	14	13	27	39	25	26	31	22	32	24	26.3
Weston	Maximum	65	62	35	31	50	65	60	47	45	60	58	48	65	60	59	65	65	62	55	50	49	42	50	68	65	60	38	40	50	48	49	53.8
	Minimum	30	25	10	19	22	30	40	38	29	28	32	31	35	31	28	29	35	52	31	28	35	18	18	30	45	24	25	28	28	29	24	29.3
Wheeling§	Maximum	42	29	29	38	52	63	50	40	53	62	47	52	66	51	64	76	76	49	45	62	47	45	38	71	60	32	36	42	52	41	..	50.4
	Minimum	26	20	7	10	21	22	25	32	24	25	32	31	35	22	24	26	30	39	28	23	28	15	14	24	32	20	22	24	21	22	24	24.1
Southern Division																																	
Bluefield	Maximum	65	..	65	36	51	56	56	52	..	50	60	45	65	64	60		68	59	56	53	56	49	..	63	60	46	41	51	50	..	52	55.0
	Minimum	41	..	6	15	26	29	40	29	..	30	28	26	35	42	34		33	50	28	26	36	25	..	20	35	19	26	25	27	..	26	29.1
Charleston§	Maximum	72	34	38	44	64	64	50	40	58	68	58	58	76	56	70	78	70	64	64	64	46	54	70	72	58	36	58	54	62	56	62	58.6
	Minimum	32	28	14	16	24	26	30	36	32	30	30	34	36	38	38	36	40	44	35	30	30	26	24	21	36	28	26	28	28	30	26	30.1
Gary §	Maximum	68	28	29	40	55	65	64	38	50	62	45	48	65	58	66	71	64	64	38	55	56	49	69	61	55	37	43	50	52	52	55	53.5
	Minimum	35	25	13	14	20	21	27	34	33	28	29	31	27	29	36	31	39	42	37	25	27	30	21	35	32	25	26	27	27	26	26	28.3
Hinton §	Maximum	60	31	32	42	58	61	53	40	53	70	51	55	74	59	63	77	60	60	41	62	53	52	66	69	57	35	16	52	55	54	61	54.8
	Minimum	33	22	12	13	18	18	25	38	34	28	29	32	29	30	33	31	33	40	37	26	25	29	22	25	32	26	26	26	28	26	25	27.5
Huntington	Maximum	66	59	59	45	59	66	62	55	54	65	60	60	76	66	67	75	73	70	65	62	57	57	59	72	65	65	46	52	56	52	58	61.4
	Minimum	36	26	15	25	27	33	45	34	33	29	38	36	36	36	35	33	43	56	34	33	38	24	25	36	46	25	30	30	27	31	26	32.9
Lewisburg	Maximum	64	61	27	32	51	55	52	45	47	58	52	16	67	64	58	68	69	63	56	52	51	54	56	59	55	49	48	50	52	52	51	53.7
	Minimum	34	21	9	17	10	21	41	34	31	27	33	32	28	34	29	25	34	45	32	23	31	25	16	27	41	28	29	25	26	20	21	27.4
Marlinton	Maximum	58	40	22	30	42	52	44	40	44	54	42	40	62	56	58	62	56	56	52	50	44	40	54	52	50	40	32	44	48	44	48	47.0
	Minimum	24	16	4	14	8	20	34	34	30	20	32	24	30	28	20	24	30	40	30	22	26	20	10	20	22	18	24	22	22	24	26	23.2
Point Pleasant	Maximum	63	57	28	42	58	64	60	60	58	66	57	52	72	66	65	76	76	70	60	62	58	47	62	70	68	46	42	52	55	48	60	58.7
	Minimum	33	24	12	23	22	32	43	33	30	28	34	34	34	31	28	30	40	53	30	26	34	19	20	33	43	24	27	35	24	27	28	30.1
Ravenswood	Maximum	61	63	29	37	56	62	60	56	51	59	59	50	70	70	61	69	70	67	60	58	57	44	59	69	68	47	37	47	51	52	53	56.5
	Minimum	32	24	14	23	27	33	44	33	32	28	34	35	37	32	30	30	40	53	33	27	35	19	23	34	43	26	29	30	25	28	22	30.8
Robertsburg§	Maximum	54	27	29	43	57	64	62	36	52	63	48	45	70	51	62	74	70	60	45	49	46	40	65	70	55	32	32	50	51	46	57	51.8
	Minimum	30	25	14	16	25	31	33	34	30	28	33	35	32	34	31	30	34	48	33	28	31	21	21	27	41	25	26	25	25	27	23	28.9
Ryan	Maximum	60	43	27	34	55	60	50	47	48	50	45	49	70	63	65	75	66	60	57	54	40	40	50	70	58	39	37	55	48	44	52	52.0
	Minimum	43	20	7	18	24	18	40	31	25	19	23	31	27	24	31	25	24	42	30	22	30	18	16	29	39	22	23	24	22	23	18	25.4
Spencer §	Maximum	64	27	29	38	57	63	58	38	51	62	48	50	70	50	62	72	68	60	45	48	48	40	60	71	57	32	39	48	52	42	54	57.7
	Minimum	42	26	12	22	23	30	45	36	30	28	42	34	40	34	30	30	36	45	32	27	30	20	28	33	48	25	25	26	28	35	22	31.1
Sutton	Maximum	67	67	28	34	56	63	63	55	48	63	63	49	70	70	62	72	72	65	61	57	57	47	58	68	68	47	34	49	51	51	54	57.1
	Minimum	29	23	12	20	26	19	38	35	30	24	34	34	30	33	26	28	34	46	31	25	32	19	17	30	41	21	12	28	27	28	24	27.6
Union	Maximum	63	69	..	55	51	58	58	48	..	59	61	49	68	69	61	..	72	67	59	55	67	51	..	62	65	46	46	53	55	..	55	58.5
	Minimum	30	..	7	17	14	21	40	33	..	21	34	28	31	35	33	.	26	46	33	25	28	27	..	17	42	22	27	25	26	..	20	27.2
White Sulphur Spgs§	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Williamson §	Maximum	50	39	39	48	63	63	60	55	55	67	53	56	75	58	75	76	61	62	45	60	50	55	67	72	56	40	48	56	60	56	..	57.3
	Minimum	40	30	19	27	26	30	39	50	35	32	40	37	35	36	42	38	48	50	37	30	35	30	32	35	54	28	29	37	40	30	36	35.7

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§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 4-25-30—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVIII Parkersburg, W. Va., April, 1930 No. 4

GENERAL SUMMARY

April was warm and exceptionally dry. While the temperature averaged less than 2° above the normal, the second decade was decidedly warm. The average precipitation was the lightest of April record since 1915. Only three previous Aprils were dryer. The conditions were droughty after the first ten days. Only traces of snow fell in most of the Agricultural districts, while moderate snow storms occurred on two or three days in the more elevated portions of the State. The greatest fall for the month, 10 inches, was at Pickens. High temperature during the second decade caused a rapid advancement of growth and bloom. Freezing temperature during the early morning hours from the 23d to the 27th caused great damage to fruit bloom and grape vines. Many fields of young plants were also killed.

TEMPERATURE

The monthly mean for the State, determined from 43 stations, was 53.2°. The departure from the normal for 35 stations having ten or more years of record was + 1.6°. The temperature averaged slightly below the normal for the first decade. From the 10th to the 19th the weather was warm, especially on the 11th and 12th, when the highest temperatures were noted. Cold weather, with heavy to killing frosts in nearly all regions, prevailed from the 22d to the 27th. The month closed warm.

PRECIPITATION

The average precipitation for the State, determined from 78 stations, was 1.95 inches. The departure from the normal for 53 stations having ten or more years of record was —1.57 inches. Practically all of the precipitation was received on the 1st-2d, 6-7th, 15-16th, 18-19th, 21st-22d, 23d-24th, and 29th, the greatest amounts being measured on the 2d and 7th. Practically all the snowfall was received on the 6-7th and 24th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bancroft, 12th, 14th, 20th, 29th, and 30th; Clay, 29th and 30th; Terra Alta, 22d; Wheeling, 10th.

Hail, light: Arbovale, 21st; Creston, 7th and 21st; Roanoke, Ryan, and Terra Alta, 21st; Wellsburg, 14th; Wheeling, 7th.

Halo, lunar: Huntington, 5th.

Sleet: Bayard, 3d; Huntington, 7th; Parkersburg, 7th.

MISCELLANEOUS PHENOMENA (Continued)

Thunderstorms (dates and number of stations reporting): 4th, 1; 6th, 1; 8th, 1; 13th, 1; 14th, 2; 16th, 4; 17th, 1; 18th, 8; 19th, 2; 21st, 11; 22d, 3; 28th, 1; 30th, 7.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.05	70	42	48	289.1	73	4,894	6.8	30	sw.	1
Columbus, Ohio	30.05	69	45	54	211.7	53	6,996	9.7	40	nw.	7
Elkins	30.06	73	49	57	223.0	56	4,327	6.0	28	w.	7
Lexington, Ky	30.08	64	41	....	264.5	67	8,646	12.0	37	nw.	13
Parkersburg	30.06	67	40	48	204.3	51	4,057	5.6	30	nw.	7
Pittsburgh, Pa	30.05	73	57	57	175.9	44	7,086	9.8	40	nw.	7
Wytheville, Va	30.06	69	44	50	247.0	63	4,538	6.3	28	sw.	7

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	.....	.....	2.81	.....	.....	.....	.....	...	.....	.....
1892	50.6	87	17	4.28	.....	.....	.....	7	.....	.....	.....
1893	53.4	92	20	5.18	8.98	2.91	0.8	14	8	8	14
1894	50.6	90	14	3.32	5.30	1.97	1.6	11	12	8	10
1895	52.9	90	17	2.93	5.47	0.90	.....	9	11	9	10
1896	57.7	95	12	2.06	4.35	0.82	.....	8	13	12	5
1897	51.5	90	19	2.97	7.10	1.58	.....	9	11	10	9
1898	48.0	86	2	3.14	4.86	1.40	.....	11	10	9	11
1899	53.4	93	18	1.84	3.17	0.92	0.5	7	13	9	8
1900	51.8	88	16	1.35	2.08	0.43	T.	8	14	7	9
1901	47.5	95	18	7.05	10.70	2.50	6.0	12	10	4	16
1902	49.8	96	21	3.06	4.57	1.53	10.0	7	10	10	10
1903	51.3	91	8	4.47	7.30	2.29	0.4	11	11	8	11
1904	47.7	82	12	3.15	5.71	1.12	1.3	12	9	9	12
1905	52.2	89	14	2.78	5.57	1.10	1.5	11	11	9	10
1906	54.1	92	15	3.16	6.59	0.57	0.3	8	15	8	7
1907	45.6	92	10	3.49	6.66	1.42	6.1	12	8	8	14
1908	54.8	92	18	4.30	8.02	0.77	0.3	11	13	8	9
1909	53.0	93	10	5.04	8.57	1.70	2.4	13	10	11	9
1910	53.2	91	16	3.39	9.07	1.63	0.6	11	10	8	12
1911	49.5	88	6	4.29	7.00	0.83	1.5	14	9	8	13
1912	55.4	88	20	4.03	8.00	1.09	0.2	10	11	10	9
1913	52.4	92	12	2.99	5.48	1.61	0.1	10	14	6	10
1914	52.1	93	16	4.63	10.05	1.29	0.1	11	10	9	11
1915	55.5	101	10	1.93	5.69	0.10	T.	7	15	8	7
1916	50.5	90	17	3.07	5.70	1.25	4.3	12	9	7	14
1917	51.7	90	10	2.99	5.31	1.29	1.8	9	13	8	9
1918	50.3	85	18	5.11	9.14	1.88	10.4	15	9	7	14
1919	51.8	90	10	2.44	4.21	1.03	0.2	9	12	8	10
1920	49.7	91	15	4.91	7.26	1.64	1.2	14	8	7	15
1921	55.7	95	10	2.50	5.09	0.40	0.4	9	13	7	10
1922	54.4	91	15	3.15	6.76	0.50	0.1	9	13	7	10
1923	50.1	88	− 4	3.45	4.88	1.00	0.1	8	16	5	9
1924	50.5	88	12	3.24	6.37	0.72	3.6	12	12	6	12
1925	54.9	101	6	2.89	4.48	1.42	0.6	10	14	6	10
1926	47.1	87	8	2.44	5.54	0.80	2.5	10	10	8	12
1927	52.0	91	16	5.93	10.21	2.52	0.2	15	9	7	14
1928	48.6	88	11	5.08	8.00	2.57	11.4	12	11	7	12
1929	55.4	94	18	4.54	8.78	2.09	0.8	13	12	7	11
1930	53.2	98	13	1.95	4.16	0.39	1.0	9	14	7	9
1891-1930	51.8	101	− 4	3.53	10.70	0.10	2.1	10	11	8	11

Climatological Data for April, 1930

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	29	53.3	+5.6	88	13†	23	16†	56	3.14	−0.75	1.10	1.0	10	13	0	17	sw.	U. G. Clark
Brandywine	Pendleton	1,586	14	49.4	0	86	12	22	1	45	1.30	−1.34	0.65	0	6	19	0	11	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	41	...	...	...	...	...	...	...	2.74	−0.23	1.83	T.	9	...	...	...	...	J. C. Newcomer
Martinsburg	Berkeley	435	38	^{a}50.0	−1.5	90^{a}	11	28	1	56^{a}	2.47	−0.57	1.20	T.	8	20	9	1	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	34	54.0	−0.8	98	11	23	2	57	1.49	−1.34	0.53	0	5	28	0	2	...	M. S. Henkel
Piedmont ††	Mineral	1,053	17	51.0	−0.1	88	11	26	1	42	2.54	−0.48	0.74	0	10	15	6	9	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	32	^{b}51.2	−0.4	94^{b}	12	24^{a}	1	65^{b}	1.82	−1.04	0.90	0	6	12	7	11	...	George E. Bergdoll
Stony River Dam	Grant	3,300	10	...	...	...	...	...	...	...	4.08	+0.11	0.73	8.5	11	5	8	17	w.	A. C. Becker
Upper Tract	Pendleton	1,230	31	^{a}50.0	−1.0	85^{a}	12	22^{a}	2	50^{a}	0.95	−1.07	0.60	0	4	8^{h}	0^{h}	14^{h}	w.	J. M. Mallow
Wardensville	Hardy	1,200	13	...	...	88^{c}	14	...	...	...	...	...	...	...	...	...	...	...	...	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	6	...	...	...	...	...	...	...	1.71	...	0.55	0.9	8	9	14	7	w.	L. Else Bond
Alma (near)	Tyler	...	3	...	...	...	...	...	...	...	2.18	...	0.70	0	9	13	8	9	...	D. N. Furbee
Alpena	Randolph	2,571	0	44.8	...	79	11†	14	23†	55	3.31	...	0.52	6.0	13	12	9	9	w.	Christian Hertig
Benson	Harrison	1,080	6	53.8	...	87	11	14	9	53	1.31	...	0.76	T.	6	17	11	2	...	John A. Clark
Bens Run	Pleasants	652	28	56.6	+4.2	89	11†	28	9	47	1.66	−2.42	0.91	0	6	18	5	7	...	J. D. Riggs
Brownsville	Lewis	1,032	7	54.1	...	87	11†	20	9	54	1.81	...	0.52	T.	9	17	8	5	...	George M Meyers
Bruceton Mills	Preston	1,549	13	...	...	...	...	...	...	...	2.11	−1.59	0.80	0.2	7	9	15	6	nw.	Mrs. Ola Wolf
Buckhannon	Upshur	1,411	33	52.5	+1.4	82	11†	24	9	43	1.80	−2.46	0.60	0.5	9	17	6	7	...	H. A. Darnall
Clarksburg	Harrison	1,015	8	53.0	...	88	11	21	9	45	1.20	...	0.40	...	9	11	11	8	w.	Clarksburg Water Board
Cortland	Tucker	3,300	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	G. W. Harmon
Crawford	Lewis	1,107	7	...	...	...	...	...	...	...	2.24	...	0.72	1.0	9	11	14	5	sw.	George W. Blair
Creston	Wirt	640	28	54.8	+1.8	89	11†	22	9	53	1.74	−2.27	0.63	T.	6	17	0	13	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	9	...	...	...	...	...	...	...	1.88	...	0.60	T.	10	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	14	...	...	...	...	...	...	...	1.34	−1.68	0.55	...	10	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	14	...	...	...	...	...	...	...	1.55	−1.46	0.60	...	12	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	9	...	...	...	...	...	...	...	1.96	...	0.61	...	15	...	...	...	...	Lockmaster
Davis	Tucker	3,093	21	...	...	...	...	...	...	...	2.92	−1.55	0.62	...	12	...	...	...	...	Ross C. Male
Elizabeth (Dam 3 L. K.)	Wirt	615	18	...	...	...	...	...	...	...	1.46	−2.16	0.75	...	7	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	29	50.1	+1.3	82	12	22	24	46	3.16	−0.46	0.68	3.7	13	6	13	11	w.	U. S. Weather Bureau
Fairmont	Marion	883	24	55.5	+3.8	90	11	23	9	53	0.79	−2.55	0.24	0.5	8	13	5	12	w.	J. C. Robinson
Glenville	Gilmer	738	36	56.2	+2.8	89	11	23	9	50	2.06	−1.68	0.64	T.	7	13	9	8	w.	Howard R. Brannon
Grafton	Taylor	1,000	37	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Curtis Boice
Horner††	Lewis	1,044	7	...	...	...	...	...	...	...	0.80	...	0.50	...	2	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	5	...	...	...	...	...	...	...	2.81	...	0.56	7.9	12	12	3	15	w.	J. W. White
Janelew (near)	Lewis	1,020	7	54.9	...	88	12	19	9	53	1.63	...	0.55	T.	4	15	9	6	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	32	53.8	+2.6	87	11	18	9	53	2.20	−1.16	0.76	T.	9	13	8	9	w.	Allen Smith
Mannington	Marion	985	27	52.4	+1.2	86	11	21	9	49	1.99	−1.98	0.86	2.0	11	13	9	8	w.	Jas. A. Morgan
Morgantown††	Monongalia	1,250	37	53.1	+1.9	84	12†	26	9†	40	1.42	−1.80	0.50	T.	4	11	5	14	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	32	^{a}50.2	+0.9	87^{a}	11	22	9	52^{a}	1.73	−1.54	0.52	0.3	12	10	7	13	s.	C. H. Hesse
New Martinsville	Wetzel	634	36	55.7	+2.7	90	11	24	9	49	1.65	−1.94	0.70	T.	5	12	9	9	s.	Wm. Ankrom
Parkersburg	Wood	638	43	56.0	+2.6	88	12	30	9	40	1.45	−1.74	0.59	T.	11	12	5	13	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	30	50.8	+2.1	88	30	22	9†	52	2.36	−1.49	0.60	2.0	7	13	5	12	...	J. W. Swisher
Parsons No. 2	Tucker	...	4	...	...	...	...	...	...	...	2.73	−1.12	0.58	4.0	13	15	8	7	...	Robert T. Deem
Philippi	Barbour	1,550	33	...	...	...	...	...	...	...	2.77	−1.16	0.70	0	8	...	...	...	...	Prof. W. W. Thomson
Pickens	Randolph	2,697	27	47.2	−1.0	83	11	13	9†	56	3.43	−1.83	1.46	10.0	10	17	4	9	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	7	...	...	...	...	...	...	...	1.85	...	0.59	0.1	9	15	6	9	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	43	...	...	...	...	...	...	...	2.92	−1.09	0.86	1.5	10	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	21	...	...	...	...	...	...	...	1.66	−2.24	0.77	0	10	...	...	...	sw.	Wm. Hughes
Terra Alta	Preston	2,559	29	47.9	+0.7	82	11	14	24	44	3.17	−0.85	0.60	2.9	16	8	5	17	nw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	1	...	...	...	...	...	...	...	3.11	...	0.87	6.5	11	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	7	54.7	...	87	12	21	1†	51	1.35	...	0.51	T.	8	14	12	4	w.	J. C. Campbell
Vandalia††	Lewis	1,120	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	23	51.8	+2.8	89	11	20	9	48	2.60	−0.45	0.84	1.0	8	17	8	5	w.	George P. Pfister
West Milford	Harrison	979	5	...	...	...	...	...	...	...	2.17	...	0.72	...	9	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	35	54.3	+1.8	85	11	24	9	45	2.47	−1.58	0.72	...	9	14	10	6	...	Weston State Hospital
Wheeling	Ohio	645	43	^{b}53.4	+1.3	94^{b}	11	19	9	64^{b}	1.47	−1.66	0.53	0.2	10	9	11	10	nw.	Miss M. B. Forsyth
Woodlands	Marshall	637	3	...	...	...	...	...	...	...	1.43	...	0.66	...	10	12	14	4	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	4	...	...	...	...	...	...	...	2.00	...	0.60	3.5	9	13	11	6	w.	H. S. Sutton
Bancroft	Putnam	574	26	55.4	+2.1	91	12	24	10	56	1.07	−2.76	0.50	0	7	22	0	8	ne.	R. E. Dent
Bluefield ^{d}	Mercer	2,558	35	54.0	+0.8	83	12†	26	25	43	1.50	−1.88	0.95	0	6	16	6	4	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	15	...	...	...	...	...	...	...	3.75	+0.22	1.44	T.	7	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	27	58.2	+2.1	94	12	26	1	56	2.08	−1.65	0.54	0	8	18	0	12	...	R. O. Fields
Clay	Clay	706	14	...	...	...	...	...	...	...	1.35	−1.99	0.27	0	10	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	4	...	...	...	...	...	...	...	1.53	...	0.38	0	7	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	14	...	...	...	...	...	...	...	1.56	−2.01	0.73	0	9	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	14	...	...	...	...	...	...	...	1.21	−2.27	0.40	0	9	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	3	...	...	...	...	...	...	...	1.61	...	0.64	0	11	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	14	...	...	...	...	...	...	...	1.40	...	0.44	0	8	...	...	...	...	U. S. Engineers Office
Gary	McDowell	1,426	14	54.9	+1.3	85	11†	27	1†	48	2.09	−1.43	1.00	0	8	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	33	54.9	+2.0	93	12	27	1	54	1.31	−1.97	0.27	0	12	16	6	8	...	Mrs. M. L. McClung
Huntington	Cabell	538	33	60.4	+6.2	92	12	30	9†	49	1.01	−2.60	0.46	0	7	11	12	7	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	11	...	...	...	...	...	...	...	2.22	...	0.50	0	7	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	14	...	...	...	...	...	...	...	1.95	−2.57	0.40	...	11	...	...	...	...	Cabin Creek. Con. Coal Co
Kermit	Mingo	579	4	...	...	...	...	...	...	...	0.39	...	0.22	0	4	...	...	...	...	E. B. Kirk
Lewisburg	Greenbrier	2,250	30	52.2	+2.1	85	12	23	1†	51	1.65	−1.81	0.77	T.	5	13	8	9	nw.	Geo. T. Argabrite
Logan	Logan	700	27	...	...	...	...	...	...	...	1.11	−3.69	0.30	0	6	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	31	47.1	+0.3	80	12	20	1	48	4.16	+0.69	0.80	T.	9	8	17	5	sw.	S. L. Brown
Point Pleasant	Mason	595	37	58.0	+3.1	92	11	25	24	48	1.45	−1.83	0.55	T.	9	15	10	5	w.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	7	56.3	...	88	11†	25	9†	45	1.47	...	0.60	0	9	10	0	20	ne.	Lockmaster
Robertsburg	Putnam	570	30	54.4	+1.5	88	12	24	24	48	1.27	−2.47	0.42	0	7	15	0	15	...	M. Frazier
Ryan	Roane	700	27	51.3	−1.1	88	12	18	1	52	1.48	−2.37	0.63	0	7	12	9	9	...	Wm E. Ryan
Sharples	Logan	...	10	...	...	...	...	...	...	...	1.31	...	0.52	...	5	...	...	...	...	R. W. Howard
Spencer ††	Roane	789	26	55.0	+2.5	89	11	24	9	48	1.39	−2.24	0.51	0	9	14	10	6	...	A. M. McKown
Sutton	Braxton	850	24	55.0	+1.9	89	12†	23	9	49	2.65	−1.54	0.60	2.0	10	20	0	10	...	C. B. Eakle
Union ^{d}	Monroe	2,250	26	53.8	+3.2	89	12	22	1	51	1.33	−1.84	0.69	0	4	13	6	7	...	W. M. H. Young
Wayne	Wayne	598	3	...	...	...	...	...	...	...	1.30	...	0.45	0	7	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	H. E. Green
Williamson††	Mingo	673	30	^{a}61.7	...	90^{a}	13	34	9†	45^{a}	1.12	−1.96	0.32	0	7	20	0	10	se.	Mrs. T W Lowe
State averages and	extremes	...	...	53.2	+1.6	98	11	13	9	65	1.95	−1.57	1.83	1.0	9	14	7	9	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for April, 1930

Stations	Drainage-basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac		.40	.10				1.10	.60								.05	.04	.08			.61			.08					.08			3.14
Brandywine	do			.15			.65	.15							T.	T	T.		.10			.15									.10		1.30
Harpers Ferry‖	do			T	.13			1.83	.15								.02	.37	.05	.03			.09	T.	T.					.07			2.74
Martinsburg‖	do				.10			1.20	.16									.48	.10	.10			.28		T.					.05			2.47
Moorefield	do						.50	.15										.53	.08			.23									T.		1.49
Piedmont	do		.25	.11			.79								.01		.11	.25	.15	.12	T.	.73	.02						T.				2.54
Romney‖	do				.15			.90	.13							.03		.34					.27										1.82
Stony River Dam	do		.65	.06	.03			.60	.33	.73						.64		.40		.18			.22		.24								4.08
Upper Tract	do			T.			.60	.10									T.		.15												.10		0.95
Wardensville‖	do																																......
Northern Division																																	
Aberdeen	Monongahela		.55	.21			.03	.30	.10								T			.47		.03			.02								1.71
Alma (near)	Ohio		.70	.08			.08	.30							.01		.04		.70			.25		.02									2.18
Alpena	Monongahela		.52	.32	.04	.52	.27		.40							T.	.19	.20	.08	.11		.14			.08						.44		3.31
Benson	do			.76			.08	.21	.04											.20		.02		T.									1.31
Bens Run	do		.91	.02		.02		.32											.11			.28											1.66
Brownsville	do		.52	.25			.09	.25	.22								.04		.02	.31		.11		T.									1.81
Bruceton Mills	do	T.	.40	T			.25	T	.80					T.	T.	T.	.11	.05	T.			.45	T	T.	.05				T.	T.	T.		2.11
Buckhannon	do		.60	.22			.15	.23	.15										.15	.20		.06			.04				T.				1.80
Clarksburg‖	do		.40	.08	.14			.18	.18									.04		.04			.13		.01								1.20
Cortland‖	do																																......
Crawford‖	Little Kanawha		.63	.23	T.		.12	.34	.09								T.		.06	.72					.04				.01				2.24
Creston‖	Monongahela		.49	.05				.24	.10											.63			.23										1.74
Dam 10, Mon. R.‖	Ohio		.60	.04	.06			.12	.42	T.						.06		.04	.04				.44		.06								1.88
Dam 12, O. R.‖	do		.55					.14	.27						.06		.05	.15	.03	.04			.04		.01					T.			1.34
Dam 13, O. R.‖	Monongahela		.60				T.	.18	.18						.02	.03	.10	.10	.03	.20			.03		.02					.06			1.55
Dam 15, Mon. R‖	do		.61	.05			.02	.08	.31							.16	.02	.10	.02	.06			.37		.06		.04		.02	.04			1.96
Davis‖	do		.40	.10	.26			.62	.42								.01	.30	T	.42	.03	.09	.15		.12								2.92
Elizabeth(D'm 3 LK)	Little Kanawha		.75	.14				.20	.10								.01						.01							.25			1.46
Elkins***	Monongahela	.24	.44	.30				.46	.56	.03						.06	.17		.28	T.		.13		.12					.01		.36		3.16
Fairmont‖	do			.06	.03		T.	.17	.20							.04		.03	T.		T.	T.	.24		.02		T.	T.	T.				0.79
Glenville‖	Little Kanawha		.62	.11			.08	.14	.35								T	T.		.64			.12		T.								2.06
Grafton‖	Monongahela																																......
Horner	do		.30													.50																	0.80
Horton	do		.41	.28	.11		.56	.47	.09							T.	.22	.10	.06	T.		.20			.08					T.	.23		2.81
Janelew (near)	do		.50	.20				.38												.55													1.63
Lost Creek	do		.61	.32	.03		.03	.28	T.						T.		T.	T.	T.	.76		.03		T.	.03				.11				2.20
Mannington	do		.86	.07			.05	.38	.10						.07		.01	T.	.09	T.		.31		.02	.03								1.99
Morgantown	do		.50	T.	T.		T.	.30							T.		T.	T.	T.	T.		.50	T.	T.	T.						.12		1.42
New Cumberland‖	Ohio		.52	.04	T.		.01	.30	.11						.06	.02	.07	.25					.26	T.	.05			T.		.04			1.73
New Martinsville	do		.70					.35	.10										.40					.10									1.65
Parkersburg***	do	.49	.01	.16			.17	.13							T	T.	.01	.04	.10	T		.13		T				T.	.18		.03		1.45
Parsons	Monongahela			.60			.55	.08								T.	*		.60	.45				T.	.08								2.36
Parsons No. 2	do		.58	.29	.03		.37	.35	.13								.36	.02	.04	.21		.21	.06		.08				T.				2.73
Philippi	do		.70	.40	.20		T.	.25	.42											.70	.05		.05										2.77
Pickens	do		1.46				.30	.35	.17							.59	.10		.10	.25		.03			.08								3.43
Roanoke	do		.59	.25			.09	.26	.14								.06		T.	.39		.06		.01									1.85
Rowlesburg‖	do		.86	.07	.32			.42	.35	.02								.06		.39		T.	.34		.09								2.92
Saint Marys‖	Ohio		.77	.10			.02	.33	.14							T.	T.	.01	.11	T	.02	T.	.15		.01				T.				1.66
Terra Alta	Monongahela		.60	.23	T.		.37	.51	.17						.14	.01	.02	.09	.13	.37		.16	T.	T.	.07				.01	.05	.24		3.17
Thomas‖	do		.87	.10	.30			.40	.47									.30		.38	.01	.03	.20		.05								3.11
Valley Chapel	do		.51	.22			.08	.23	.22											.02					.05					.02			1.35
Vandalia	do																																......
Wellsburg	Ohio		.52					.22	.03						.84		.20		.30					T	.35					.14			2.60
West Milford	Monongahela		.45	.30			.04	.30	.12								.04			.72		.10			.10								2.17
Weston	do		.62	.12	.20		.10	.08	.45									.08		.72			.10										2.47
Wheeling‖	Ohio		.53		T.		T.	.17	.31	T.					.02	T	.05	.17	.03	.12			.05		.02					T.			1.47
Woodlands‖	do		.66					.22	.13							.02	.03	.03	.05	.25	.01		.03										1.43
Southern Division																																	
Arbovale	Great Kanawha		.06	.22			.56	.24	T.							.04			T.			.19			.04				.05		.60		2.00
Bancroft‖	do		.50	.22	.10		.10	.05														.05	.05										1.07
Bluefield	do		.04	.28				.95											.16			.05	.02										1.50
Camden-on-Gauley‖	do		.20		.44			1.44	T.							.42				.20					.33					.72			3.75
Charleston‖	do		.54	.34	.12			.14	.10							.52				.04			.28										2.08
Clay‖	do		.18	.27	.15		.25	.20	.04					.02								.16							T.	.02	.06		1.35
Dam 6 G. K‖	do		.38	.15	.14			.07								.38							.35							.06			1.53
Dam 19 O. R.‖	Ohio		.73	.18			.05	.25	.06							T.	T.	T.	.10	T.		.03	.04						T.	.12	T.		1.56
Dam 20 O. R.‖	do		.40	.10	.03		.12	.23	.04									.05	.14											.10			1.21
Dam 25 O. R.‖	do		.64	.08			.18	.20	.02							.03		.01	.10	.08	.01									.26			1.61
Dam 26 O. R.‖	do		.44	.18			.20	.21	.02										.04	.10										.21			1.40
Gary‖	Big Sandy		.05		.55		1.00	.18									.05		.10	.14		.02											2.09
Hinton‖	do		.06	.06	.26		.27	.18	.11							.03	T.		.07	.15		.03	.08				.01						1.31
Huntington‖	Ohio		.46	.13			.26	.02							.06		T.					.01							.07	T.			1.01
Kanawha Falls‖	Great Kanawha		.42	.18	.38		.10	.30								.50				.34													2.22
Kayford‖	do		.36	.13	.40		.36	.09	.08							.02			.06	.33		.01	.11							T.			1.95
Kermit‖	Big Sandy		.04	.08				.05																						.22			0.39
Lewisburg	Great Kanawha			.43			.77	.09							T.				.12			.24					T						1.65
Logan‖	Guyandotte		.20	.30	.10		.20	.13	T.										T.	.18		T								T.			1.11
Marlinton	Great Kanawha		.24	.58			.80	.54								.40		T.	.22	.24		.52			T.						.62		4.16
Point Pleasant‖	Ohio		.55	.11			.38	.20	.01									.04	.08			.02								.06			1.45
Ravenswood(Dam 22	do		.60	.15	.04		.08	.20	.10										.07				.13							.10			1.47
Robertsburg‖	Great Kanawha		.36	.10	.05		.42	.12														.05								.17			1.27
Ryan	do			.63			.18	.12									.02		.27			.16							.10				1.48
Sharples‖	Coal River			.32			.52	.27											.11	.09		T.							T.	T.			1.31
Spencer‖	Great Kanawha		.51	.05			.09	.12	.11								T.	T.	.33			.02							.10	.06			1.39
Sutton	Gauley		.60	.40			.25	.30	.35										.15	.10		.35	.05						.10				2.65
Union	do			.48				.69	T.						T.			T.	.09			.07	T.										1.33
Wayne‖	Big Sandy		.45	.20	.09		.20	.04								.19														.13			1.30
White Sulpr. Spgs.‖	Great Kanawha																																......
Williamson‖	Big Sandy		.32	.28	.13		.20	.21	.03										T				T.							.12			1.29

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for April, 1930

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	64	62	66	64	70	67	53	50	52	66	82	84	88	86	88	79	64	74	78	76	74	70	63	48	49	52	60	61	62	64	..	67.2
	Minimum	44	48	58	35	35	30	30	26	38	45	60	68	50	49	48	23	30	36	44	46	44	40	30	23	26	32	34	35	36	38	..	39.4
Brandywine	Maximum	60	60	54	58	65	65	45	60	57	70	85	86	80	78	76	65	65	60	60	55	60	54	52	50	55	55	60	62	70	75	..	62.9
	Minimum	22	36	30	31	24	45	35	30	31	26	40	47	42	44	48	49	42	45	47	26	38	47	27	23	26	25	25	34	45	50	..	36.0
Martinsburg§	Maximum	68	54	47	60	66	53	58	47	58	70	90	80	77	73	60	48	45	58	64	66	61	63	49	49	56	65	72	66	68	..	..	61.8
	Minimum	28	32	29	34	30	36	44	37	32	30	34	45	45	51	46	44	41	41	43	38	33	45	33	30	35	33	35	50	48	46	..	38.3
Moorfield	Maximum	78	76	57	62	74	72	54	60	61	84	98	91	87	82	73	66	59	60	63	71	72	66	64	62	57	66	76	74	69	78	..	70.4
	Minimum	24	23	27	37	24	44	39	36	29	27	41	50	46	44	42	43	43	42	52	29	48	52	33	26	31	30	28	44	48	45	..	37.6
Piedmont	Maximum	68	60	56	56	69	57	45	43	53	70	88	87	84	79	62	56	45	60	60	71	65	61	48	40	50	62	73	61	68	84	..	62.7
	Minimum	26	34	30	38	28	33	35	33	31	30	55	56	47	53	43	43	40	42	49	31	46	48	32	26	35	34	32	50	50	48	..	39.3
Romney §	Maximum	74	55	54	63	76	58	51	48	58	92	77	94	92	76	63	52	48	61	61	72	67	62	49	48	56	68	77	66	..		..	64.9
	Minimum	24	33	27	32	26	41	44	34	32	27	41	64	48	50	42	44	39	40	42	29	45	33	33	27	32	30	30	46	49	..	..	37.4
Upper Tract	Maximum	62	63	68	52	55	50	50	45	56	78	..	85	84	84	74	61	54	67	65	70	68	62	55	47	58	66	69	69	79	80	..	64.7
	Minimum	24	22	23	28	36	25	36	33	32	28	..	49	45	43	42	42	41	44	47	28	55	36	30	24	27	25	26	43	42	14	..	35.2
Wardensville	Maximum	70		..	..	..	67	69	55	50	55	80	80	85	88	63	49	62	69	65	60	64	63	35	35	40	45	72	70	69		..	60.4
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Northern Division																																	
Alpena	Maximum	61	56	51	52	69	63	44	38	49	71	79	79	74	68	70	66	69	65	65	64	62	54	48	38	41	54	69	65	72	71	..	60.9
	Minimum	20	26	26	29	21	41	28	24	20	25	52	41	35	31	31	37	34	42	32	17	36	35	14	14	16	16	14	30	36	38	..	28.7
Bens Run	Maximum	67	60	63	63	74	65	57	52	63	79	89	87	89	77	72	66	85	80	73	72	70	63	48	50	54	66	72	71	86	84	..	69.9
	Minimum	33	33	36	33	34	52	36	34	28	32	48	53	49	54	49	52	75	58	45	38	52	47	29	31	30	42	55	49	61	53	..	43.4
Buckhannon	Maximum	64	60	55	60	70	50	50	47	53	74	82	82	80	72	74	74	81	73	67	65	70	60	48	45	50	57	70	70	78	81	..	65.4
	Minimum	29	35	35	30	30	40	33	32	24	31	45	50	48	45	47	54	55	39	49	33	50	47	30	27	29	37	30	50	53	52	..	39.6
Clarksburg §	Maximum	67	55	61	60	71	56	45	49	60	78	88	86	83	76	69	65	84	76	59	72	74	57	47	49	53	65	77	70	86	84	..	67.4
	Minimum	27	32	31	32	30	41	40	33	21	28	43	47	44	47	46	50	44	54	47	32	45	51	30	28	25	38	30	41	50	52	..	38.6
Creston	Maximum	69	65	61	62	74	71	58	52	62	80	89	89	86	80	74	75	83	80	68	71	72	65	55	52	53	64	75	72	84	80	..	70.7
	Minimum	36	31	35	33	30	47	30	33	22	27	40	44	45	47	49	48	57	57	47	34	46	50	25	25	25	33	29	49	49	47	..	39.0
Elkins	Maximum	63	48	53	52	71	56	46	43	53	74	82	82	77	71	72	67	71	69	58	66	66	54	42	41	46	57	72	68	77	79	..	62.5
	Minimum	25	31	31	33	27	42	31	29	24	28	49	55	47	43	43	52	51	55	36	30	50	38	25	22	27	32	28	46	51	50	..	37.7
Fairmont§	Maximum	68	58	66	65	77	74	44	49	63	81	90	89	89	73	67	65	80	76	66	73	70	58	46	50	51	79	67	87	87	87	..	69.9
	Minimum	31	32	34	33	31	37	40	33	23	31	43	55	52	52	47	49	52	55	49	36	45	48	30	27	26	39	44	52	51	55	..	41.1
Glenville	Maximum	69	66	62	63	77	75	59	53	64	82	89	88	88	84	81	77	85	80	64	73	74	67	58	52	54	66	78	78	84	85	..	72.5
	Minimum	27	34	34	32	28	50	34	34	23	32	41	45	44	46	47	50	58	61	48	37	50	51	29	25	25	33	30	50	50	49	..	39.9
Grafton	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Lost Creek	Maximum	67	65	59	61	74	73	52	55	59	78	87	85	84	75	73	68	83	74	71	69	70	61	53	49	50	64	75	83	80	82	..	69.3
	Minimum	24	31	29	29	26	49	33	30	18	25	50	55	45	45	43	50	54	58	45	30	48	50	23	24	24	37	27	48	50	51	..	38.4
Mannington	Maximum	66	61	61	58	71	66	53	48	56	76	86	54	83	79	67	66	79	74	68	67	65	61	50	44	52	60	71	69	80	83	..	66.8
	Minimum	26	30	30	29	27	43	35	33	21	27	40	46	43	47	42	48	53	57	46	32	49	47	29	25	23	39	29	52	45	49	..	38.1
Morgantown	Maximum	63	62	62	57	72	66	50	42	56	74	83	84	84	76	64	61	70	74	67	61	64	59	46	42	49	60	71	67	82	81	..	65.0
	Minimum	38	31	34	31	32	48	27	29	26	35	56	61	57	53	44	51	48	54	44	34	50	42	27	26	28	34	34	51	52	59	..	41 2
New Cumberland§	Maximum	65	49	61	58	72	57	42	46	57	77	87	85	83	70	70	56	71	77	58	68	65	50	42	40	52	70	62	63	82	..	..	68.3
	Minimum	30	28	29	29	29	29	36	31	22	29	35	48	50	50	40	40	50	53	44	31	43	39	28	27	30	29	32	52	50	49	..	37.2
New Martinsville	Maximum	60	55	64	61	76	72	58	50	61	79	90	88	87	81	74	70	87	83	71	70	73	63	50	48	57	65	78	70	85	84	..	70.3
	Minimum	30	31	34	31	31	48	36	31	24	30	47	51	48	55	47	52	54	58	47	35	51	47	29	29	26	40	33	53	50	54	..	41.1
Parkersburg	Maximum	67	52	62	59	71	59	48	48	60	79	87	88	86	72	72	67	83	77	58	72	72	56	49	48	53	61	74	69	82	82	..	67.1
	Minimum	38	33	38	35	38	48	37	33	30	37	64	61	56	57	51	55	59	54	46	41	55	38	32	32	32	42	36	55	54	56	..	44.8
Parsons	Maximum	66	60	56	56	75	66	55	45	56	76	85	84	80	75	74	64	74	75	60	65	70	65	46	43	47	60	66	69	75	88	..	65.9
	Minimum	24	32	29	35	26	35	33	30	22	26	39	49	43	43	55	50	47	50	45	45	32	45	22	28	27	28	29	34	36	36	..	35.8
Pickens	Maximum	62	53	49	53	72	55	43	40	52	82	83	78	75	75	76	72	76	67	62	68	64	57	45	45	43	46	54	67	77	80	..	62.4
	Minimum	22	25	28	26	29	35	25	20	13	26	50	43	39	37	39	49	49	49	36	25	42	36	18	13	17	25	24	30	45	46	..	32.0
Terra Alta	Maximum	60	57	51	59	69	62	44	39	49	71	82	79	77	72	60	56	46	67	65	63	65	54	44	35	44	56	68	64	68	73	..	60.0
	Minimum	21	34	36	24	41	40	28	24	23	29	54	60	48	50	36	39	37	41	40	26	45	38	22	14	26	33	24	44	45	51	..	35.8
Wellsburg	Maximum	65	52	62	60	73	72	55	48	58	72	89	84	86	84	73	62	69	78	68	67	68	58	42	40	53	63	80	68	81	84	..	67.1
	Minimum	27	30	28	28	25	43	34	33	20	26	41	48	46	44	40	39	42	50	44	33	50	41	28	26	26	26	29	49	49	48	..	36.4
Weston	Maximum	65	63	48	58	69	65	54	49	58	75	85	84	83	80	75	65	75	70	64	68	72	70	58	46	50	58	70	72	78	84	..	67.0
	Minimum	28	35	36	35	30	48	40	32	24	30	45	49	46	49	48	55	56	60	46	38	50	51	29	28	26	38	32	51	52	58	..	41.6
Wheeling§	Maximum	68	69	69	..	..	57	44	54	82	81	94	90	90	75	64	60	84	80	64	71	72	58	47	44	54	69	78	75	87	89	..	70.3
	Minimum	34	28	34	28	26	30	35	30	19	27	30	63	45	45	45	43	45	53	43	32	50	43	23	23	23	37	30	30	55	50	..	36.6
Southern Division																																	
Bluefield	Maximum	60	60	55	61	67	..	67	49	60	77	82	83	..	83	78	76	73	69	68	..	71	66	54	51	53	57	..	78	76	78	..	67.4
	Minimum	32	37	41	36	39	..	35	31	32	34	52	56	..	52	48	56	44	49	45	..	32	46	30	29	26	32	..	33	52	54	..	40.5
Charleston§	Maximum	72	62	58	66	80	84	56	60	70	84	92	94	82	88	84	80	82	80	68	82	72	68	64	60	62	58	82	70	90	88	..	74.6
	Minimum	26	34	34	36	34	34	46	34	30	30	36	52	52	50	54	54	58	60	52	38	50	52	36	30	30	34	36	36	52	52	..	41.7
Gary §	Maximum	65	48	54	63	73	57	56	52	63	79	85	85	82	79	83	82	78	74	59	74	72	64	54	52	56	62	75	81	81	81	..	69.0
	Minimum	27	31	40	36	36	42	40	35	27	31	39	44	49	49	48	53	55	57	52	34	52	49	36	28	27	31	29	45	50	53	..	40.8
Hinton §	Maximum	67	47	58	68	77	56	52	53	67	83	88	93	54	79	85	79	73	79	61	78	75	65	58	56	61	67	79	79	84	84	..	70.2
	Minimum	27	29	39	39	33	36	40	35	31	32	34	42	47	50	48	51	50	52	52	36	38	48	33	29	30	33	31	37	50	55	..	39.6
Huntington	Maximum	71	66	66	64	77	71	71	57	70	83	91	92	87	85	82	79	87	83	82	77	75	69	65	57	59	65	78	71	85	83	..	74.9
	Minimum	34	38	45	38	35	52	44	36	30	34	49	53	59	58	53	57	62	66	56	39	53	52	33	32	30	43	35	53	53	57	..	45.8
Lewisburg	Maximum	64	59	55	62	63	63	52	50	59	78	84	85	80	77	76	76	69	71	65	69	66	62	52	50	54	59	69	70	74	78	..	66.4
	Minimum	23	35	41	35	30	44	40	33	31	27	41	46	45	48	45	50	45	49	46	28	42	47	29	27	23	28	27	40	47	47	..	38.0
Marlinton	Maximum	60	56	52	56	66	50	54	42	44	72	78	80	74	72	70	68	56	60	54	62	64	54	46	44	48	56	65	66	72	70	..	60.7
	Minimum	20	34	40	32	24	42	32	28	22	24	34	38	38	40	44	44	42	46	36	24	42	38	24	22	22	24	24	38	44	42	..	33.5
Point Pleasant	Maximum	70	68	65	66	76	70	55	55	69	82	92	91	86	82	80	80	86	88	80	76	75	65	69	55	57	66	75	74	84	80	..	73.9
	Minimum	32	32	40	32	33	48	39	32	27	34	46	47	52	50	54	53	58	58	42	35	53	49	49	25	26	39	32	51	48	50	..	42.2
Ravenswood	Maximum	65	65	63	63	73	72	61	53	61	76	88	88	87	84	76	76	84	82	78	73	73	66	58	51	52	63	75	75	82	84	..	71.6
	Minimum	34	30	37	33	31	51	40	33	25	32	47	47	48	50	51	53	54	59	42	34	55	51	25	25	25	40	30	52	43	52	..	41.0
Robertsburg§	Maximum	65	57	64	62	70	63	43	45	66	79	82	88	76	77	80	74	86	82	62	77	72	55	50	52	58	55	77	80	83	85	..	68.8
	Minimum	26	33	35	35	31	38	38	35	26	31	38	51	48	51	53	53	58	61	48	36	39	51	27	24	25	40	31	41	47	48	..	39.9
Ryan	Maximum	55	60	50	55	73	55	48	53	60	78	85	88	85	80	78	78	80	80	65	60	65	57	48	50	60	65	71	60	85	80	..	66.9
	Minimum	18	28	35	29	27	34	38	30	20	26	38	38	42	41	47	50	57	56	46	30	48	44	22	23	22	21	26	46	42	46	..	35.7
Spencer §	Maximum	69	52	61	61	74	60	49	53	61	80	89	88	84	78	81	78	82	79	61	72	72	59	50	52	54	63	75	71	82	84	..	69.1
	Minimum	25	34	35	35	31	46	40	33	24	32	50	56	48	49	51	54	59	60	49	35	45	51	26	27	26	25	30	52	51	51	..	41.0
Sutton	Maximum	69	69	56	58	76	76	57	51	62	82	88	89	89	82	77	77	78	78	77	71	71	71	55	51	51	60	78	78	81	85	..	71.4
	Minimum	26	31	36	38	29	48	31	30	23	39	41	45	45	45	48	53	58	59	48	33	50	29	30	27	26	31	29	30	50	51	..	38.6
Union	Maximum	64	63	52	63	70	..	70	52	64	78	86	89	..	73	77	80	74	69	70	..	72	69	62	60	61	62	..	75	78	83	..	69.8
	Minimum	22	37	41	36	32	..	38	31	27	27	40	46	..	46	45	50	46	49	47	..	27	46	27	25	23	29	..	47	51	49	..	37.8
White Sulphur Spgs§	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Williamson §	Maximum	65	70	57	77	66	70	56	60	68	84	89	89	90	85	85	86	88	81	79	79	70	75	61	61	64	67	75	80	87	..	..	74.6
	Minimum	42	44	47	49	52	44	45	44	34	42	44	54	55	56	57	64	65	66	54	50	55	50	48	42	34	35	35	40	58	59	..	48.8

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.086	.244	.067	.103	.109	.022	.170	.108	.111	.123	.243	.300	.225	.321	.078	.088	.052	.177	.140	.103	.157	.200	.221	.118	.089	.106	.137	.212	.079	.231	....	4, 420
	Wind movement	45	139	84	16	40	50	70	213	96	26	61	74	56	83	50	51	76	68	84	52	45	120	110	86	79	60	33	58	27	42	....	2, 094

(WBO, Cleveland, 5-22-30—900)

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

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UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXVIII PARKERSBURG, W. VA., MAY, 1930 No. 5

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GENERAL SUMMARY

May was warm and exceptionally dry. The first half of the month was decidedly warm and the last half decidedly cool, with the exception of a few days in each period. After the 25th the temperature was near or considerably below freezing in most sections of the State, causing a great loss to beans and doing considerable damage to potatoes and corn. The cool weather also caused a marked apple drop. The average rainfall, 2.17 inches, was the least of May record, except in 1911 and 1914. In every other year of State record the combined rainfall for April and May exceded the rainfall for the same period in 1930. At the close of May a severe drought prevailed in nearly all portions of the State, all crops suffering for moisture. Pastures and fields were especially short.

TEMPERATURE

The monthly mean for the State, determined from 45 stations, was 63.3°. The departure from the normal for 36 stations having ten or more years of record was + 1.3°. The temperature was above the normal until the 14th, except the 3-4th. From the 6th to the 12th the temperature averaged about 12° above the normal. From the 15th to the end of the month the weather was mostly cool, the temperature being especially low after the 25th, with light to killing frosts on the 26th, 30th and 31st, causing much damage to crops.

PRECIPITATION

The average precipitation for the State, determined from 80 stations, was 2.17 inches. The departure from the normal for 54 stations having ten or more years of record was −1.74 inches. The rainfall was heaviest over the northern mountain counties and was lightest over the eastern panhandle and the extreme western counties. Practically all the rainfall was received on the 5-6th, 12-16th, 18-19th, 24th, and the 27-28th, the greatest amounts being measured on the 14-15th and 18-19th. Snow was not noted at any station in the State.

LIGHT HAIL

Light hail was noted in sections of Tucker County on the 12th, and in sections of Brooke, Lewis, Kanawha, Pocahontas, and Upshur counties on the 14th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bancroft, 13th, 21st, 22d, 25th, and 31st; Elkins, 22d; Mannington, 13th, 22d, 23d, 25th, 26th, 30th, and 31st; Marlinton, 6th, 7th, 22d, and 23d; New Cumberland, 30th; Terra Alta, 18th.

MISCELLANEOUS PHENOMENA (Continued)

Halo, lunar: Elkins, 8th.

Thunderstorms (dates and number of stations reporting): 1st, 7; 3d, 2; 5th, 6; 6th, 8; 7th, 1; 11th, 4; 12th, 6; 13th, 3; 14th, 5; [illegible]th, 5; 19th, 2; 28th, 2.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity: 8 a. m.	Mean relative humidity: local noon	Mean relative humidity: 8 p. m.	Sunshine: Total hours	Sunshine: Percentage of possible	Wind: Total movement miles	Wind: Average hourly velocity	Wind: Max. velocity: Miles per hour	Wind: Max. velocity: Direction	Wind: Max. velocity: Date
Cincinnati, Ohio..	30.04	71	49	52	334.6	75	4,462	6.0	27	w.	23
Columbus, Ohio...	30.04	69	46	52	239.5	54	6,672	8.6	43	nw.	5
Elkins........	30.05	79	50	58	268.5	60	3,363	4.5	25	nw.	28
Lexington, Ky...	30.07	73	55	....	259.3	59	8,147	11.0	32	sw.	7
Parkersburg......	30.07	68	43	49	260.7	59	3,612	4.9	24	nw.	19
Pittsburgh, Pa.	30.04	74	57	52	281.2	63	6,712	9.0	36	sw.	2
Wytheville, Va...	30.04	76	48	63	268.0	61	3,604	4.8	23	sw.	28

COMPARATIVE DATA FOR MAY

Year	Temperature: Mean	Temperature: Highest	Temperature: Lowest	Precipitation: Average	Precipitation: Greatest	Precipitation: Least	Precipitation: Snowfall (in inches)	Number of days: With precip. .01 inch or more	Number of days: Clear	Number of days: Partly Cloudy	Number of days: Cloudy
1891	57.2	.....	.....	3.18	.....	.....	.....	.....	.....	.....	.....
1892	62.2	96	32	5.04	.....	.....	.....	.....	.....	.....	.....
1893	59.5	92	30	4.51	6.41	1.83	.....	10	12	9	10
1894	62.1	100	28	4.44	9.40	2.17	.....	13	16	9	6
1895	61.6	105	20	2.60	6.31	0.79	.....	9	12	11	8
1896	68.3	95	33	3.01	5.92	0.65	.....	10	11	13	7
1897	57.6	90	23	4.60	7.06	2.17	.....	11	13	10	8
1898	63.0	94	28	4.51	6.15	2.76	.....	13	13	10	8
1899	64.1	96	35	5.17	7.68	3.17	.....	12	11	11	9
1900	62.5	98	21	2.99	6.75	0.35	.....	8	14	9	8
1901	61.8	96	21	6.15	8.88	2.50	.....	13	11	10	10
1902	65.2	98	25	3.17	6.09	1.30	.....	9	14	11	6
1903	64.3	95	20	3.03	6.24	0.80	T.	8	18	9	4
1904	61.8	98	25	3.55	5.80	1.54	T.	11	12	11	8
1905	64.2	96	26	4.95	7.96	1.90	0	11	12	10	9
1906	62.7	98	22	2.59	6.89	0.39	T.	9	15	9	7
1907	59.0	93	24	3.88	6.37	1.38	T.	12	12	10	9
1908	63.4	96	28	6.19	11.45	2.73	0.1	17	9	12	10
1909	60.8	93	21	3.82	6.05	1.80	0.1	10	14	9	8
1910	57.9	96	19	3.92	5.87	1.55	0	12	11	10	10
1911	66.0	100	22	1.46	6.35	0.03	0	5	20	8	3
1912	63.3	94	31	3.93	7.50	1.16	0	11	15	8	8
1913	61.6	95	19	5.16	8.86	1.89	0	10	14	8	9
1914	62.4	100	24	1.96	3.75	0.55	0	6	18	8	5
1915	61.1	92	29	4.22	6.85	2.56	0	13	10	9	12
1916	64.0	97	28	3.58	6.00	0.90	T.	11	14	9	8
1917	55.5	95	25	4.88	5.45	2.45	T.	10	11	8	12
1918	66.7	97	25	4.34	10.28	1.85	T.	11	15	9	7
1919	61.5	100	30	5.25	10.71	2.75	0	13	12	7	12
1920	58.9	95	24	2.76	6.97	1.08	T.	7	16	6	9
1921	61.4	96	24	4.48	10.67	2.12	T.	12	12	7	12
1922	63.7	94	26	3.67	5.83	1.55	0	11	14	7	10
1923	59.7	93	21	2.58	5.33	0.18	1.3	8	16	6	9
1924	55.5	93	23	7.20	12.20	3.91	0.1	17	9	7	15
1925	56.8	100	21	3.35	6.56	0.70	0.2	10	13	8	10
1926	61.2	94	14	2.50	4.65	0.07	T.	9	15	8	8
1927	62.0	95	21	4.13	7.74	0.75	T.	15	10	8	13
1928	58.9	94	22	2.61	5.30	0.55	T.	10	14	8	9
1929	60.8	98	23	5.81	11.14	2.25	0.1	15	10	9	12
1930	63.3	101	23	2.17	4.99	0.64	0	10	15	8	8
1891-1930	61.6	105	14	3.93	12.20	0.03	T.	11	13	9	9

Climatological Data for May, 1930

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	29	^{b}56.0	-0.8	88^{g}	8	27^{b}	30	47^{b}	3.09	-1.41	1.41	0	11	7^{g}	7^{g}	10^{g}	sw.	Lewis T. Clark
Brandywine	Pendleton	1,586	14	60.4	+2.3	91	7	30	4†	54	0.65	-2.31	0.25	0	3	21	5	5	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	41	....	....	....	....	....	....	....	1.47	-1.26	0.50	0	7	....	....	....	....	J. C. Newcomer
Kearneysville	Jefferson	548	0	64.4	....	92	7	37	25	47	....	....	....	....	....	....	....	....	....	F. J. Schneiderhan
Martinsburg	Berkeley	435	38	^{a}65.6	+2.5	95^{a}	7	42	21	48^{a}	0.92	-3.08	0.18	0	11	21	10	0	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	34	65.6	+2.3	96	23	34	31	50	1.00	-2.52	0.40	0	3	30	0	1	....	M. S. Henkel
Piedmont	Mineral	1,053	17	62.5	+2.7	92	7	35	30	48	1.97	-1.43	0.49	0	9	12	14	5	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	32	^{b}65.2	+2.2	101^{b}	7	35^{a}	30	58^{c}	0.93	-2.82	0.23	0	9	17	9	5	....	George E. Bergdolt
Stony River Dam	Grant	3,300	10	....	....	....	....	....	....	....	1.87	-2.78	0.51	0	10	11	7	13	w.	A. C. Becker
Upper Tract††	Pendleton	1,230	31	^{b}61.7	+0.3	87^{b}	10†	30^{b}	26†	49^{b}	0.70	-2.28	0.50	0	2	11^{l}	1^{l}	7^{l}	w.	J. M. Mallow
Wardensville	Hardy	1,200	13	^{a}62.0	....	97^{a}	10	30	5†	63^{a}	0.64	....	0.15	0	7	17	11	3	w.	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	6	....	....	....	....	....	....	....	2.67	....	0.64	0	11	12	15	4	w.	L. Else Bond
Alma (near)	Tyler	....	3	....	....	....	....	....	....	....	2.19	....	0.55	0	9	13	10	8	....	D. N. Furbee
Alpena	Randolph	2,571	0	56.6	....	83	7	26	26	49	2.11	....	0.48	0	9	13	14	4	w.	Christian Hertig
Benson	Harrison	1,080	6	62.8	....	90	10	29	26	43	2.14	....	0.72	0	12	15	14	2	....	John A. Clark
Bens Run	Pleasants	652	28	66.2	+3.0	91	5†	37	26	47	1.89	-2.64	0.57	0	8	16	11	4	....	J. D. Riggs
Brownsville	Lewis	1,032	7	63.6	....	93	9	30	31	50	2.26	....	0.62	0	10	18	9	4	....	George M Meyers
Bruceton Mills	Preston	1,549	13	....	....	....	....	....	....	....	2.75	-1.66	1.01	0	9	11	14	6	sw.	Mrs. Ola Wolf
Buckhannon	Upshur	1,411	33	62.4	+0.5	85	5†	35	31	42	2.82	-1.78	0.75	0	8	18	8	5	....	H. A. Darnall
Clarksburg	Harrison	1,015	8	63.0	....	93	7	33	26	48	1.69	....	0.35	0	11	12	13	6	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	19	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	G. W. Harmon
Crawford	Lewis	1,107	7	....	....	....	....	....	....	....	2.45	....	0.55	0	15	14	12	5	w.	George W. Blair
Creston	Wirt	640	28	65.1	+1.6	92	2†	33	31	48	1.97	-1.94	0.49	0	11	17	0	14	w.	J. M. Reed
Dam 10 Mon. R.	Marion	826	9	....	....	....	....	....	....	....	3.16	....	0.66	0	15	....	....	....	....	Lockmaster
Dam 12 O. R	Ohio	660	14	....	....	....	....	....	....	....	1.89	-1.43	0.43	0	11	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	14	....	....	....	....	....	....	....	1.59	-2.02	0.38	0	9	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	9	....	....	....	....	....	....	....	2.21	....	0.52	0	13	....	....	....	....	Lockmaster
Davis	Tucker	3,093	21	....	....	....	....	....	....	....	2.21	-2.48	0.55	0	13	....	....	....	....	Ross C. Male
Elizabeth (Dam 3 L. K)	Wirt	615	18	....	....	....	....	....	....	....	1.24	-2.45	0.30	0	6	....	....	....	....	Lockmaster
Elkins	Randolph	1,947	29	60.0	+0.8	86	10	31	26	43	1.98	-2.07	0.50	0	11	7	14	10	w.	U. S. Weather Bureau
Fairmont	Marion	883	24	65.7	+4.0	97	11	34	26	49	2.46	-1.44	0.70	0	11	13	7	11	w.	J. C. Robinson
Glenville	Gilmer	738	36	65.6	+2.1	91	8†	34	26†	49	3.58	-0.63	0.64	0	12	14	6	11	w.	Howard R. Brannon
Grafton	Taylor	1,000	37		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Curtis Boice
Horner	Lewis	1,044	7		....		....	....	....	....	1.99	....	0.70	0	7	....	....	....	....	Foster R. Hardman
Horton	Randolph	2,840	5	....	....	....	....	....	....	....	1.95	....	0.52	0	12	11	4	16	w.	J. W. White
Janelew (near)	Lewis	1,020	7	64.0	....	91	10	32	26†	49	2.39		0.76	0	5	17	7	7	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	32	62.2	+1.1	92	11	30	26†	51	1.77	-2.52	0.41	0	9	14	10	7	w.	Allen Smith
Mannington	Marion	985	27	61.4	+0.4	87	7†	31	26	45	2.04	-2.01	0.44	0	12	14	7	10	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	37	62.8	+0.3	90	11	33	26†	39	2.85	-0.71	0.65	0	8	12	5	14	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	32	^{a}63.0	+2.3	97^{a}	11	32	26	41^{a}	2.41	-0.93	0.70	0	12	8	12	11	n.	C. H. Hesse
New Martinsville	Wetzel	634	36	64.8	+1.2	95	10	35	26	46	2.50	-1.24	0.55	0	9	12	11	8	s.	Wm. Ankrom
Parkersburg	Wood	638	43	65.6	+1.8	90	10	39	26	38	1.29	-2.09	0.50	0	8	12	8	11	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	30		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	J. W. Swisher
Parsons No. 2	Tucker	....	4	....	....	....	....	....	....	....	2.93	-0.97	0.56	0	14	17	9	5	....	Robert T. Deem
Philippi	Barbour	1,550	33	....	....	....	....	....	....	....	3.62	-0.66	0.72	0	12	....	....	....	....	Prof. W. W. Thomson
Pickens	Randolph	2,697	27	56.6	-1.6	89	10	23	26	50	3.29	-2.19	0.95	0	10	16	7	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	7		....	....	....	....	....	....	2.18	....	0.45	0	11	19	3	9	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	43	....	....	....	....	....	....	....	1.99	+0.33	2.00	0	14	....	....	....	....	Walter H. Bolyard
Saint Marys	Pleasants	577	21	....	....	....	....	....	....	....	1.72	-2.14	0.45	0	10	....	....	....	sw.	Wm. Hughes
Terra Alta	Preston	2,559	29	58.0	-1.0	83	7	26	30	45	3.35	-1.64	0.73	0	14	3	10	18	sw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	1		....	....	....	....	....	....	1.98	....	0.63	0	11	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	7	64.2	....	91	11	30	30	49	1.71	....	0.43	0	10	20	6	5	w.	J. C. Campbell
Vandalia	Lewis	1,120	7	....	....	....	....	....	....	....	1.61	....	0.25	0	7	....	....	....	....	James B. Kelley
Wellsburg	Brooke	668	23	61.6	+1.1	91	10	30	30	49	2.40	-1.14	0.72	0	9	12	9	10	w.	George P. Pfister
West Milford††	Harrison	979	5	....	....	....	....	....	....	....	2.55	....	0.55	0	11	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	35	65.2	+2.1	90	11	35	26†	45	1.67	-2.64	0.45	0	10	11	14	6	....	Weston State Hospital
Wheeling	Ohio	645	43	62.7	0	95	10	29	30	53	1.99	-1.50	0.57	0	11	14	5	12	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	3	....	....	....	....	....	....	....	2.14	....	0.45	0	11	11	14	6	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	4	....	....	....	....	....	....	....	1.09	....	0.44	0	12	18	5	8	w.	H. S. Sutton
Bancroft	Putnam	574	26	65.1	+1.3	92	10	37	21	44	1.81	-2.33	0.59	0	9	25	0	6	ne.	R. E. Dent
Bluefield^{e}	Mercer	2,558	35	63.6	+1.7	85	5	35	31	42	2.48	-1.16	1.20	0	8	16	5	5	....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	15	....	....	....	....	....	....	....	4.33	-0.87	1.20	0	7	....	....	....	....	Miss Katie Jarvis
Charleston	Kanawha	600	27	67.9	+2.4	98	9	38	31	44	2.04	-1.98	0.78	0	7	17	0	14	....	R. O. Fields
Clay	Clay	706	14		....	....	....	....	....		2.62	-1.51	0.68	0	11	....	....	....	....	Chilton Wilson
Dam 6 G. K	Kanawha	598	4	....	....	....	....	....	....	....	1.47	....	0.40	0	7	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	14	....	....	....	....	....	....	....	1.67	-2.66	0.46	0	9	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	14	....	....	....	....	....	....	....	1.48	-2.34	0.55	0	12	....	....	....	....	Lockmaster
Dam 25 O. R.	Mason	565	3	....	....	....	....	....	....	....	2.02	....	0.53	0	10	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	14	....	....	....	....	....	....	....	1.28		0.38	0	10	....	....	....	....	U. S. Engineers Office
Gary	McDowell	1,426	14	63.8	-2.8	88	9	37	31	46	3.11	-0.96	0.83	0	12	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	33	66.1	+2.3	92	8†	37	31	49	1.52	-2.25	0.40	0	12	22	4	5	....	Mrs. M. L. McClung
Huntington	Cabell	538	33	68.6	+3.7	92	6	40	30†	39	1.85	-2.16	0.36	0	10	7	13	11	w.	H. N. Robinson
Kanawha Falls	Fayette	618	11		....	....	....		....	....	2.54	....	0.44	0	8	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	14	....	....	....		....	....	....	3.45	-1.45	0.61	0	14	....	....	....	....	Cabin Creek. Con Coal Co
Kermit	Mingo	579	4	....	....	....	....	....	....	....	2.24	....	0.62	0	7	....	....	....	....	E. B. Kirk
Lewisburg	Greenbrier	2,250	30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....		Geo. T. Argabrite
Logan	Logan	700	27	....	....	....	....	....	....	....	2.56	-1.60	0.85	0	7	....	....	....		J. R. Wampler
Marlinton	Pocahontas	2,131	31	57.6	+0.6	82	10	28	26	46	2.80	-1.24	0.90	0	11	8	18	5	sw.	S. L. Brown
Point Pleasant	Mason	595	37	66.1	+0.9	94	9	34	30	48	2.75	-1.20	0.60	0	9	14	12	5	w.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	7	66.6	....	94	10	35	30†	46	1.36	....	0.27	0	9	13	0	18	se.	Lockmaster
Robertsburg	Putnam	570	30	64.6	+0.7	91	9	35	31	46	0.87	-2.73	0.28	0	8	17	0	14	....	M. Frazier
Ryan	Roane	700	27	61.2	-1.0	90	10	29	31	48	1.53	-2.17	0.58	0	7	12	12	7	....	Wm. E. Ryan
Sharples	Logan	....	10	....		....	....	....	....	....	2.37	-1.85	0.76	0	8	....	....	....		R. W. Howard
Spencer	Roane	789	26	^{a}63.6	+1.1	91^{a}	10	34	31	43^{a}	2.36	-1.34	0.47	0	9	14	9	8	....	A. M. McKown
Sutton	Braxton	850	24	64.6	-0.7	90	8†	34	31	43	4.35	-0.14	0.95	0	12	19	0	12	....	C. B. Eakle
Union^{d}	Monroe	2,250	26	64.5	+3.7	90	3	33	26	52	1.13	-1.84	0.55	0	4	11	13	3	....	W. M. H. Young
Wayne	Wayne	598	3	....	....	....	....	....	....	....	2.18	....	0.50	0	8	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	20	^{a}61.8	+1.4	90^{a}	6	31	31	45^{a}	2.25	-1.62	0.80	0	7	27	2	2	....	A. P. Spence
Williamson††	Mingo	673	30	^{a}69.6	+4.2	92^{a}	6	44	25†	39^{a}	4.13	+0.32	1.28	0	12	14	0	17	se.	Mrs. T. W. Lowe
State averages and	extremes	....	....	63.3	+1.3	101	7	23	26	63	2.17	-1.74	2.00	0	10	15	8	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for May, 1930

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard|||	Potomac	1.11	T				*							*	*	*	.55		.57	.18					.13			.11	.14				3.09
Brandywine	....do						.20						T.	.25	T				T.	.20					T		T			T			0.65
Harpers Ferry |||	....do						.02									.46	.02			.16	.25					.50			.06				1.47
Martinsburg |||	....do	.18		.05				.01						.10	T	.15			.01	.10	.02					.10			15	.05			0.92
Moorefield	....do	.40					.40								T.	T			.20						T								1.00
Piedmont	....do	.48					.17	.48							.12	.05			.49						.07			.05	.06				1.97
Romney|||	....do	.23						.22							.06			.09	.12	.09						.05		.03	.04				0.93
Stony River Dam	....do	.51						.22	.02							.04	.27			.30	.13					.13		.07	.18				1.87
Upper Tract	....do			.20			.50												T.							T			T				0.70
Wardensville|||	....do							.13								.10	.04		.10	.15						.07		T	.05				0.64
Northern Division																																	
Aberdeen	Monongahela	.64					.12							.01	.14	.54	.40		21	.20	.04				.34				.03				2.67
Alma (near)	Ohio					05	.15						.01		.55	.25			.14	.44					.47				.13				2.19
Alpena	Monongahela	.13				T.	.18					T.			.26	.43	.13	T	.32	.11	.05				.20								2.11
Benson	....do	.10							.01					.30	.72	.20	.30	.01	.12	.06	.12				.13				07				2.14
Bens Run	....do				25	.22									.57	.18			.19	.36					.07				.05				1.89
Brownsville	....do		.03											.09	.40	.62	.08		.20	.12	.35				.31				.03				2.26
Bruceton Mills	....do	.29	T			T.	.08						.09	T.	.38	1.01	.10	T	.36	.21	T.				.20			T	T.	T			2.75
Buckhannon	....do	.70				T	T						.15		.32	.30	15		.10	.05					.75			T.	T.				2.82
Clarksburg||	....do	.10			T.		.11							.35	.22	.17	.22			.14	.14				.11	.05			.08				1.69
Cortland ||	....do																																....
Crawford|||	Little Kanawha	.09				.21	.10						.07	.09	.25	.24	.02	.02	.40	.28	.05				.55		.05	.03					2.45
Creston||	Monongahela							.49	16						.48	.12	.14		.12	.11	.05				.22			.05	.03				1.97
Dam 10, Mon. R.|||	Ohio	.30					.06	04					.60		.13	.68	.24	.06	.06	.23	.14				.26	.16		.06	.14				3.16
Dam 12, O. R.|||	....do						.43						.10	.06	.35	.10	.23			.22	.20	T.			.10			.02	.08	T.			1.89
Dam 13, O. R.|||	Monongahela						.25						.05	T	.38	.04	.30		.04	.19	.19							T	.15				1.59
Dam 15, Mon. R |||	....do	.03					.05	.09					.22		.16	.52	.32		.03	.22	.24				.15			.03	.12				2.21
Davis |||	....do	.18		.03			T.	43						.06	.10	.08	.55	.02	.23	.18	.18					.16				.01			2.21
Elizabeth (D'm 3 LK)	Little Kanawha														.18		.25		.07	.11							.36	.27					1.24
Elkins***	Monongahela					.35	.16					T.	.03	T.	.20	.50		.07	.20	.14	T.				.26			.03	.04				1.98
Fairmont|||	....do	05					.16	.02					.05	.05	.17	.70	.41		.07	.17	.18				.20	.08		T.	15				2.46
Glenville |||	Little Kanawha	26					.58							.64	.54	.11	.35		.06	.12	.43				.24			.08	.17				3.58
Grafton |||	Monongahela																																....
Horner	....do					.05									.70	.35	.25		.35	.15					.14								1.99
Horton	....do	.04	.05				.52					T.		.50	.10	.16	.04		15	.18	.04				.10				.07				1.95
Janelew (near)	....do														.76	.55	.45		.28						.35								2.39
Lost Creek	....do		T.			.04	.12						.13	T	.32	.41	.12		T.	.37					.20			T.	.06				1.77
Mannington	....do		.01			04	.18						.06		.39	.39		.02	.24	.44					.10			.02	.15				2.04
Morgantown	....do		T.			T.	.05					.60			.65	.15		.55	T.	.35	T.				.40			.10					2.85
New Cumberland|||	Ohio						.70						.09		.32	.03	.16	.03		.30	.46				.12			.07	.11		.02		2.41
New Martinsville	....do					.10	.10								.55	.55	.10		.15	.50					.25				.20				2.50
Parkersburg***	....do		T.			T.	T.					T.	T.	.07	.39	.10		T	.24	.42					.02			.04	.01				1.29
Parsons	Monongahela																																....
Parsons No. 2	....do	.36					.11	.02					.56	.28	.11	.37	.32	.01	.23	.23					.12			.03	.18				2.93
Philippi	....do	.70					.05	.10						.35	.05	.40	.45		.10	.15	.27				.72				.28				3.62
Pickens	....do	T.				.60	.35					.15		.20	.60	.40		.15	.50						.24			.10	T.				3.29
Roanoke	....do	.15					.20							.23	.33	.40	.03		.24	.03	.11				.45			T	.01				2.18
Rowlesburg|||	....do	2.00						.54					.75		.07	.19	.45		.15	.33	.13				.05	.10		.04	.15	.04			4.99
Saint Marys|||	Ohio	.01		T.			.11						T.	.11	.30	.16	.45		T.	.21	.21				.08			T.	.08				1.72
Terra Alta	Monongahela	73	T.			.01	.27	T.					.05		.40	.27	.13	.02	.70	.26	T.				.17	T.		.14	.17	.03		T	3.35
Thomas |||	....do	.11						.25	.03				.01	.05	.05	.10	.63		.07	.23	.07					.16		.04	.18				1.98
Valley Chapel	....do	.05				.08	.09							.18	.43	.35	.35		.04		.12								.02				1.71
Vandalia	....do					.19									.28	.29	.03		.33	.14					.35								1.61
Wellsburg	Ohio					08	.72						.37		.31				.17	.30	T				.26			.08	.11				2.40
West Milford	Monongahela	.12				.05	.19							.55	.35	.30	.30	.13		.19					.17				.20				2.55
Weston	....do	.10					.05							.10	.20	.20	.40		.05	22	.20				.15								1.67
Wheeling|||	Ohio						.57	T.					.13	.06	.35	.03	.22			.20	.20	T.			.10	T.		.02	.11				1.99
Woodlands|||	....do	.04					.12							.14	.45	.02	.45	.02		.18	.38				.18				.16				2.14
Southern Division																																	
Arbovale	Great Kanawha	.04	.01			.17	.27								.11	.10			.12	.15					.07			.01	.03	.01			1.09
Bancroft |||	....do						.05						.05		.33	.25	.59		.10	.21	.05				.18								1.81
Bluefield	....do		.13				.03						.59		.30	.05				1.20	.05				.13								2.48
Camden-on-Gauley|||	....do				.20		.44						.80	.22		.92	1.20			.55													4.33
Charleston |||	....do						.02								.28	.14	.26		.44	.12					.78								2.04
Clay|||	....do						.04					.06	.01		.28	.32	.12		.68	.42					.31	.19					.19		2.62
Dam 6 G. K ||	....do												T.		.24	.11	18		.29	13					.40						.12		1.47
Dam 19 O. R. |||	Ohio	.44		T.			T						T		.46	T.	.17		.08	.24	.20				.02			.02	.04				1.67
Dam 20 O. R. |||	....do	.08					.04						.02		.22		.15		.02	.26	.55				.04			.05	.02	.03			1.48
Dam 25 O. R. |||	....do	.20					.14					.06	.05		.45	T.	.29		.09	.18	.53				.03								2.02
Dam 26 O. R |||	....do	.15					.10						.10		.38	.03	.05		.30	.12	.02				.03								1.28
Gary |||	Big Sandy	.05		.18							.33		.31		.30	.72	.04		.06	.83	.20				.03	.06							3.11
Hinton|||	....do	.22					.01	.06					.06		.13	.25	.03		.23	.40	.08				T.	.03					.02		1.52
Huntington |||	Ohio	.31		.02			.25				T.	.03	.23		.36	.16	T.		.36	.07					.06					T.			1.85
Kanawha Falls|||	Great Kanawha	.22													.28	.42	.34		.24	.20	.40				.44								2.54
Kayford|||	....do	.34	.28				.28						.08		.22	.52	.40	.05	.17	.16	.61				.27	.05					.02		3.45
Kermit|||	Big Sandy		.05									.23		.55				.55	.62	.22										.02			2.24
Lewisburg	Great Kanawha																																....
Logan|||	Guyandotte						.47						.15		.50	.35		.35	.42	.32					T.								2.56
Marlinton	Great Kanawha	.04				.06	.68						.06		.36	.52			.22	.68					.06			T.	T.	.04	.08		2.80
Point Pleasant|||	Ohio	.38					.21					.60	.06		.52		.36		.05	21	.36												2.75
Ravenswood (Dam 22	....do	.12					.14	T.							.24		.27		.07	.25	.20				.05				.02				1.36
Robertsburg|||	Great Kanawha						.06						.02		.28	.02	.13		.14	.16	T.				.06								0.87
Ryan	....do					.01	.11								.58	.25			.22	.04					.32								1.53
Sharples|||	Coal River			.15				T.					.05		.50	.10		.15	.76	.31	.35								T.		T.		2.37
Spencer |||	Great Kanawha	.30					.16								.40	.30	.47	.06	.11	.15				.41			T.						2.36
Sutton	Gauley	.20				.10	.50						.50		.95	.35	.35		.30	.10	.40				.45				.15				4.35
Union	....do						.27						T.	T.	.19					.55					.12								1.13
Wayne |||	Big Sandy			.19									.42		.45	.05			.50	.20					.23						.14		2.18
White Sulpr. Spgs.|||	Great Kanawha					.10									.65	.10		.30	.80	.20										.10			2.25
Williamson|||	Big Sandy			.03			.54	T.					.20		.79	.49	.05	.28	.50	.49	.39				.19					.18			4.13

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for May, 1930

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	84	78	76	74	80	86	84	88	..	..	..	..	..	..	..	65	68	67	76	62	70	81	82	76	58	57	63	70	58	53	59	71.5
	Minimum	40	40	36	34	42	44	40	41	..	..	..	..	..	..	..	..	43	52	49	53	36	38	42	48	35	28	39	48	40	27	35	40.4
Brandywine	Maximum	80	78	75	84	86	90	91	90	89	85	82	80	82	75	65	65	70	62	80	78	82	81	84	70	66	61	70	75	70	55	60	76.2
	Minimum	49	46	44	30	39	42	50	52	53	48	50	52	53	50	45	42	46	48	55	42	38	50	48	42	38	30	43	46	45	40	30	44.7
Kearneysville	Maximum	84	85	76	80	90	82	92	89	87	84	72	74	83	77	73	75	82	79	65	70	80	86	91	79	66	65	71	81	68	63	68	78.0
	Minimum	58	58	48	45	43	62	59	60	58	52	54	56	46	58	52	50	51	54	51	53	41	50	53	57	39	46	45	50	44	42	41	50.8
Martinsburg§	Maximum	87	87	77	83	91	85	95	91	89	85	74	69	85	76	76	80	84	64	68	72	82	88	92	81	69	69	73	83	69	65	..	79.6
	Minimum	54	54	51	45	43	60	57	65	60	55	56	57	49	56	56	53	53	52	59	53	42	50	52	57	45	43	45	52	48	41	45	51.7
Moorfield	Maximum	80	77	78	77	86	77	86	92	90	89	85	82	86	81	68	78	83	62	75	72	82	95	93	90	70	74	75	90	85	76	69	81.8
	Minimum	57	49	44	36	39	58	55	54	52	52	50	57	52	58	47	52	54	53	52	59	39	45	60	58	39	39	45	54	48	33	34	49.3
Piedmont	Maximum	83	79	76	84	90	86	92	87	87	82	79	74	84	73	65	70	78	62	60	62	75	85	89	82	62	62	68	77	64	57	64	75.4
	Minimum	57	51	46	39	42	62	55	53	54	51	52	57	51	54	54	51	51	58	55	56	42	48	51	55	42	36	42	51	47	35	37	49.6
Romney§	Maximum	93	96	..	91	98	90	101	94	95	95	84	81	93	70	88	85	60	69	70	85	94	96	96	80	70	70	75	85	70	56	..	80.7
	Minimum	41	56	47	..	40	52	57	64	54	50	52	57	51	54	52	50	43	51	54	40	47	50	58	58	44	40	44	48	48	35	42	49.6
Upper Tract	Maximum	80	83	80	86	85	83	83	84	85	87	87	86	85	85	78	76	78	75	75	78	78	..	80	64	..	64	70	71	70	70	65	78.4
	Minimum	44	53	41	35	36	54	55	57	58	54	52	53	49	49	46	45	45	48	51	42	39	..	38	36	..	30	45	46	37	36	30	45.0
Wardensville	Maximum	83	80	81	85	93	87	89	90	95	97	87	83	85	80	67	74	79	84	76	70	86	88	91	76	74	66	74	83	67	55	..	81.2
	Minimum	50	41	40	36	30	34	49	49	45	40	43	40	42	50	41	43	48	46	45	44	35	44	49	54	40	37	45	50	48	39	30	42.8
Northern Division																																	
Alpena	Maximum	76	74	70	79	80	72	83	80	80	82	82	75	76	65	56	64	67	67	74	63	69	80	80	64	58	56	62	69	59	52	57	70.0
	Minimum	39	40	38	30	36	51	48	54	46	43	47	54	46	51	44	44	43	55	52	52	42	38	42	49	36	26	41	45	40	29	34	43.1
Bens Run	Maximum	86	84	81	89	91	88	87	91	91	90	89	84	86	77	65	75	80	71	79	69	81	82	91	79	70	75	77	74	65	60	74	80.0
	Minimum	56	55	44	42	60	58	59	57	56	54	60	60	61	59	54	54	57	53	64	56	41	49	51	55	43	37	46	51	49	39	40	52.5
Buckhannon	Maximum	80	79	75	77	85	81	85	82	83	85	84	80	78	69	60	68	74	70	77	70	71	79	82	78	61	60	65	75	62	58	62	74.0
	Minimum	57	54	45	40	41	57	55	51	55	54	58	64	51	58	55	48	56	55	65	58	48	48	52	55	43	36	41	50	59	37	35	50.8
Clarksburg§	Maximum	84	83	75	85	83	87	93	88	88	92	92	84	83	75	63	72	76	72	80	65	73	68	90	67	64	62	70	76	63	58	66	77.2
	Minimum	53	52	38	37	39	53	54	56	52	51	56	64	50	57	53	50	55	54	53	56	44	47	50	56	37	33	46	49	47	34	34	48.7
Creston	Maximum	90	92	90	88	96	91	90	91	91	92	89	83	83	75	70	74	78	73	79	70	79	85	87	86	70	55	77	61	67	63	67	80.9
	Minimum	51	54	52	41	42	45	52	57	51	49	59	69	46	58	52	45	57	55	64	55	45	47	50	54	37	51	45	50	45	36	33	49.3
Elkins	Maximum	79	78	69	80	83	81	84	82	84	86	83	78	79	67	56	66	72	70	75	61	71	81	82	64	57	58	65	73	56	53	60	72.2
	Minimum	55	52	42	37	40	54	51	59	52	50	55	60	50	54	48	48	52	58	59	45	44	45	47	50	39	31	44	47	44	34	33	47.7
Fairmont§	Maximum	89	86	81	89	88	90	95	93	93	95	97	88	86	75	63	75	79	70	78	65	81	91	92	72	68	65	78	74	67	60	71	80.5
	Minimum	57	58	43	40	43	59	59	67	55	53	59	65	51	59	53	51	56	52	53	55	43	49	53	56	41	34	45	51	47	35	36	50.9
Glenville	Maximum	87	87	83	85	88	89	90	91	94	91	90	87	85	76	63	75	78	77	80	74	79	88	89	89	72	69	76	80	71	67	71	81.3
	Minimum	52	52	42	36	42	57	52	57	59	52	55	61	52	58	55	47	59	58	65	58	47	45	50	53	39	34	42	52	47	37	34	49.9
Grafton	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Lost Creek	Maximum	83	83	77	86	86	84	80	88	88	89	92	82	80	74	62	70	74	78	73	65	76	85	88	76	65	64	70	76	64	61	70	77.1
	Minimum	53	53	36	35	38	55	54	59	50	49	51	60	45	57	50	49	43	55	58	54	43	45	48	53	35	30	45	47	45	39	31	47.3
Mannington	Maximum	83	82	77	80	85	83	87	84	85	87	87	81	79	72	61	69	74	72	76	55	74	81	83	81	65	61	67	73	62	59	65	75.5
	Minimum	54	50	36	35	37	55	52	51	50	48	51	61	47	57	53	51	52	52	60	53	40	46	48	54	37	31	44	50	47	32	32	47.4
Morgantown	Maximum	82	80	74	80	85	84	86	87	84	87	91	80	79	74	61	68	74	67	76	69	74	79	86	75	62	60	69	72	61	57	64	75.1
	Minimum	59	64	44	41	48	61	63	62	60	56	62	60	45	53	51	51	54	49	50	51	44	52	56	52	41	33	41	52	45	33	36	50.5
New Cumberland§	Maximum	85	82	74	82	78	87	88	89	89	90	97	93	81	74	65	71	73	66	72	62	79	87	86	70	60	61	70	68	60	55	..	76.1
	Minimum	54	63	40	42	40	50	59	57	55	55	56	63	50	58	55	55	55	53	51	53	45	52	53	52	50	32	43	50	45	33	33	50.0
New Martinsville	Maximum	86	84	79	86	82	91	90	90	92	95	91	88	82	79	65	72	78	72	74	67	78	88	90	80	67	62	74	72	65	60	69	79.0
	Minimum	56	55	40	40	43	60	58	56	51	52	56	65	51	58	55	53	54	51	65	54	45	49	52	54	41	55	47	55	47	35	37	50.6
Parkersburg	Maximum	85	83	75	83	85	89	86	89	88	90	87	83	80	76	64	72	77	68	76	68	76	86	87	71	65	65	74	74	64	58	69	77.2
	Minimum	61	61	46	48	50	64	65	64	58	58	65	67	52	58	53	52	60	51	60	54	43	54	58	54	47	39	49	52	47	42	40	54.1
Parsons	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Pickens	Maximum	80	77	72	82	87	79	86	87	87	89	85	75	81	72	52	65	70	66	71	60	74	84	83	65	58	58	68	72	55	58	60	72.9
	Minimum	46	48	33	32	42	43	48	45	45	45	45	52	40	41	42	37	47	55	37	43	35	49	43	42	29	23	35	46	37	26	25	40.2
Terra Alta	Maximum	77	76	74	77	80	78	83	82	82	81	79	75	77	70	53	64	68	65	71	61	69	79	80	75	59	56	63	68	55	52	58	70.7
	Minimum	44	53	42	32	37	51	53	55	50	45	45	52	53	51	47	45	44	51	50	51	49	45	41	47	37	31	35	49	39	26	36	45.2
Wellsburg	Maximum	84	81	75	82	81	87	88	86	89	91	90	81	79	76	67	71	75	63	72	56	78	81	87	71	65	61	70	68	61	55	68	75.8
	Minimum	54	55	37	33	38	58	54	55	49	50	51	63	48	58	54	52	51	49	59	54	44	47	49	53	37	32	43	52	45	36	32	47.4
Weston	Maximum	84	82	80	79	85	82	88	85	85	89	90	89	80	76	65	68	73	73	80	[illegible]	78	85	85	85	68	65	70	75	71	64	65	78.7
	Minimum	54	55	43	46	45	58	55	61	55	53	60	64	49	55	50	45	56	58	65	52	48	45	54	54	40	35	56	55	45	36	35	51.6
Wheeling§	Maximum	89	85	80	87	84	89	93	93	94	95	93	81	81	80	65	73	78	69	74	66	82	81	91	74	68	64	76	70	65	62	64	79.0
	Minimum	54	49	38	34	39	44	55	53	48	49	52	62	70	52	50	49	50	47	52	45	39	47	[illegible]	40	36	30	[illegible]	41	44	29	32	40.4
Southern Division																																	
Bluefield	Maximum	80	79	70		85	81	81	84	83	82	..	82	72	74	65	69	72	..	76	73	75	82	82	78	..	66	73	77	75	..	62	76.2
	Minimum	52	58	43	..	43	60	56	57	55	54	..	58	49	54	48	47	54	..	59	57	45	48	50	39	..	36	44	52	52	..	35	50.9
Charleston	Maximum	90	88	86	90	92	94	95	96	98	97	90	86	84	80	68	80	82	76	80	70	84	90	90	72	72	74	84	86	58	70	70	83.0
	Minimum	56	56	52	46	50	54	58	60	60	58	60	64	54	56	56	48	52	62	54	58	45	56	54	55	42	40	42	48	52	44	38	52.8
Gary§	Maximum	83	85	78	86	85	86	87	85	88	87	71	80	80	75	65	73	80	76	75	68	77	84	85	[illegible]	65	68	75	80	64	63	65	76.9
	Minimum	51	51	54	40	46	48	51	55	59	57	59	62	53	54	51	40	49	55	62	59	55	45	49	51	40	38	39	46	53	49	37	50.6
Hinton§	Maximum	89	85	81	91	88	90	90	92	87	90	83	83	81	82	51	79	75	77	80	72	83	92	91	72	72	72	79	85	65	65	70	80.5
	Minimum	53	52	53	42	47	51	54	56	57	56	59	62	57	58	49	44	50	60	64	56	50	50	52	58	41	40	43	45	53	47	37	51.7
Huntington	Maximum	87	86	84	85	89	92	87	90	88	89	85	86	83	83	72	78	89	71	80	70	85	87	85	83	83	72	82	84	79	70	74	82.5
	Minimum	56	61	48	46	52	63	60	60	60	62	65	65	52	60	55	45	61	62	61	66	46	52	58	55	44	41	59	58	52	40	40	54.6
Lewisburg	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Marlinton	Maximum	76	71	78	78	80	76	78	80	80	82	78	78	66	70	56	79	70	68	74	64	72	76	78	62	64	60	61	72	58	62	60	71.5
	Minimum	54	42	40	32	36	38	46	48	46	54	46	56	44	52	44	42	52	55	56	48	40	40	41	44	32	25	40	44	41	31	34	43.7
Point Pleasant	Maximum	90	88	84	91	90	94	88	92	94	92	88	89	81	78	68	75	76	75	72	72	70	88	90	85	70	71	79	81	[illegible]	60	72	81.6
	Minimum	54	56	43	43	47	60	59	56	55	53	60	63	50	52	52	45	58	50	62	57	45	50	55	52	40	35	46	52	47	34	35	50.6
Ravenswood	Maximum	84	86	83	88	86	89	91	90	91	94	91	83	82	80	74	76	80	78	75	70	80	85	89	88	75	76	80	81	73	58	73	82.0
	Minimum	57	58	41	42	46	62	59	56	57	51	62	65	48	59	53	48	55	52	64	56	45	50	55	54	38	35	46	57	47	35	35	51.2
Robertsburg§	Maximum	81	74	78	89	85	90	81	90	91	90	85	85	81	75	67	76	70	73	78	62	82	88	85	70	70	69	[illegible]	78	74	61	78	78.6
	Minimum	55	62	43	43	47	53	57	57	55	54	62	64	47	56	53	44	53	52	55	56	45	49	55	54	38	36	45	53	45	35	35	50.5
Ryan	Maximum	83	80	75	85	80	87	87	87	88	90	85	80	80	67	57	72	72	70	70	67	76	83	85	65	65	64	75	80	63	[illegible]	67	75.7
	Minimum	50	48	38	37	40	54	53	54	50	50	57	63	44	55	50	40	53	55	60	51	40	40	48	50	32	32	[illegible]	58	46	32	29	47.6
Spencer§	Maximum	77	80	85	85	86	86	88	87	89	91	89	82	81	74	63	67	71	77	71	76	84	84	69	66	67	75	66	80	62	62	..	77.3
	Minimum	55	42	43	45	45	51	52	60	54	53	54	66	48	53	53	48	56	58	56	46	49	54	54	40	37	45	49	57	49	37	31	49.8
Sutton	Maximum	88	88	85	82	82	87	87	90	90	90	90	84	81	80	67	75	77	77	78	78	77	85	86	86	67	66	75	75	70	60	65	79.7
	Minimum	54	50	46	39	42	57	54	56	54	52	58	62	51	52	53	45	56	54	58	55	47	48	51	55	39	35	42	49	45	35	31	49.5
Union	Maximum	86	82	90	..	89	88	89	88	89	87	..	87	81	79	75	75	78	..	76	74	78	85	87	86	..	70	73	79	80	65	65	81.0
	Minimum	47	50	38	..	40	55	49	54	56	50	..	56	50	56	43	48	55	..	60	54	41	46	51	53	..	33	38	44	49	45	34	48.0
White Sulphur Spgs§	Maximum	82	79	79	80	87	90	88	88	86	83	80	80	72	65	75	79	75	75	73	75	82	84	65	70	70	73	80	56	67	67	..	76.8
	Minimum	46	45	35	35	52	49	54	52	50	52	52	52	52	57	44	56	61	60	55	44	43	46	56	35	34	36	44	48	45	32	31	45.9
Williamson§	Maximum	90	85	89	90	91	92	86	91	90	90	90	82	81	76	66	79	78	72	79	70	81	87	70	70	72	75	84	85	67	67	..	80.8
	Minimum	65	65	65	60	56	57	66	68	67	67	67	67	60	61	57	55	56	66	67	62	54	55	60	50	44	45	45	54	61	49	44	58.5

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.244	.311	.355	.256	.212	.154	.157	.298	.278	.233	.266	.253	.185	.155	.130	.085	.165	.124	.018	.148	.101	.216	.206	.219	.131	.122	.156	.169	.275	.124	.177	5.923
	Wind movement	60	124	83	43	33	41	33	50	24	33	31	30	30	25	63	63	59	58	19	63	54	27	17	49	56	81	56	42	126	49	79	1,601

(WBO, Cleveland, 6-24-30—900)

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

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JUL 31 1930
UNIVERSITY OF ILLINOIS

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVIII   Parkersburg, W. Va., June, 1930   No. 6

GENERAL SUMMARY

The weather for June was exceptional. One of the most severe droughts of record for the State during the growing season continued throughout the month, without doubt the most severe over the eastern and southern counties, and over the Ohio and Great Kanawha River counties. All crops suffered severely from lack of moisture and crops in many localities were practically failures. While the temperature averaged but slightly below the normal, the lowest temperature (at two stations) of June State record occurred on the 1st., attended by light to killing frosts, causing considerable damage to crops, and only one June of record had a higher temperature, June in 1925. For the State, the average number of clear days was 17, also the record for June.

TEMPERATURE

The monthly mean for the State, determined from 45 stations, was 68.9°. The departure from the normal for 36 stations having ten or more years of record was −0.2°. The month opened unusually cool and the temperature was considerably below the normal from the 7th to the 11th and near the normal from the 17th to the 22d. The 27-28th were also cool. High temperature prevailed from the 3d to the 5th, 23d to the 25th and on the last two days. As a rule, the highest temperatures occurred on the 24th and 30th, but over the eastern panhandle the highest were noted on the 4th and 5th at nearly all stations.

PRECIPITATION

The average precipitation for the State, determined from 81 stations, was 2.87 inches. The departure from the normal for 55 stations having ten or more years of record was −1.60 inches. Most of the precipitation was recorded on the 6-7th, 9-10th, 16-17th, and 24th, the greatest amounts being recorded on the 10th, 17th and 24th.

LIGHT HAIL

Light hail occurred in sections of the following counties on dates given: Grant, 8th; Pleasants, 18th; Preston, 24th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 18th; Bancroft, 11th; Elkins, 11th and 23d; Fairmont, 29th; Mannington, 9th, 11th, 20th, and 23d; Marlinton, 2d to the 5th; 11th to the 13th; 19th to the 22d; 24th, and from the 26th to the 30th; New Cumberland, 2d and 9th; Terra Alta, 25th.

MISCELLANEOUS PHENOMENA (Continued)

Thunderstorms (dates and number of stations reporting): 6th, 1; 8th, 1; 9th, 3; 13th, 2; 16th, 3; 17th, 2; 18th, 3; 19th, 1; 24th, 17; 25th, 2; 26th, 6; 27th, 3.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
									Max velocity		
		8 a. m	local noon	8 p. m	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Miles per hour	Direction	Date
Cincinnati, Ohio	29.98	68	43	45	361.3	81	3,988	5.5	23	sw.	6
Columbus, Ohio	29.98	68	42	49	282.5	63	5,838	8.1	51	nw.	24
Elkins	30.01	78	48	61	313.9	70	2,777	3.9	34	w.	24
Lexington, Ky	30.01	69	50	...	327.2	74	7,206	10.0	37	nw.	24
Parkersburg	30.01	66	39	47	279.8	63	3,413	4.7	27	nw.	6
Pittsburgh, Pa	29.98	71	53	53	322.3	71	6,443	8.9	29	nw.	27
Wytheville, Va	30.00	71	46	57	287.0	65	3,338	4.6	28	w.	24

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	71.2	......	......	5.02	......	......	......	......	......	......	......
1892	74.1	99	41	3.90	......	......	......	......	......	......	......
1893	70.2	99	40	3.81	6.41	1.83	......	10	13	10	7
1894	70.4	103	32	3.27	6.78	1.25	......	8	16	10	4
1895	72.1	102	38	2.92	5.66	1.20	......	7	15	10	5
1896	69.8	95	30	5.35	9.86	0.11	......	10	8	14	8
1897	69.3	96	35	4.31	6.77	1.31	......	10	12	12	6
1898	70.9	99	41	3.21	7.50	0.66	......	10	14	11	5
1899	72.0	98	35	4.99	8.93	1.46	......	11	14	9	7
1900	71.2	98	41	5.30	15.62	2.49	......	13	9	12	9
1901	70.7	104	32	5.67	11.10	1.37	......	13	12	12	6
1902	68.0	100	33	5.19	8.49	2.45	......	12	11	13	6
1903	65.1	93	31	4.80	12.30	2.01	......	13	8	11	11
1904	69.5	97	36	4.20	8.29	2.05	......	13	10	13	7
1905	70.6	100	34	4.38	7.72	1.47	......	11	13	11	6
1906	70.9	101	38	5.25	9.32	2.84	......	14	11	12	7
1907	65.3	97	33	6.00	11.95	1.93	......	14	10	11	9
1908	69.2	98	36	3.12	6.75	1.35	....	9	15	10	5
1909	71.1	101	35	5.73	9.19	2.47	.....	16	9	13	8
1910	66.6	96	32	5.67	11.27	1.52	......	13	10	10	10
1911	70.7	101	40	4.44	9.34	1.88	......	11	14	10	6
1912	67.3	95	29	4.27	9.21	1.11	......	11	13	10	7
1913	69.5	99	29	3.44	6.55	0.86	......	9	18	8	4
1914	72.0	100	30	3.00	6.60	0.62	......	8	15	11	4
1915	67.7	95	33	3.63	7.09	1.21	......	9	15	8	7
1916	65.8	94	35	5.42	14.54	2.50	......	12	14	8	8
1917	67.7	99	31	3.81	6.58	1.38	...	12	14	9	7
1918	68.2	99	34	4.17	10.11	0.87	......	8	16	7	7
1919	73.0	100	40	5.06	10.15	1.67	......	10	16	8	6
1920	67.9	98	36	5.01	9.70	2.53	......	12	13	7	10
1921	72.4	101	38	4.01	8.67	0.47	......	9	15	9	6
1922	70.7	97	33	4.66	7.95	1.75	......	11	12	9	9
1923	70.2	102	35	4.54	10.37	1.25	......	11	16	7	7
1924	68.7	98	32	4.67	7.63	1.90	......	13	13	8	9
1925	72.2	109	35	3.51	8.06	1.05	......	9	16	8	6
1926	65.9	95	31	3.85	9.18	0.90	......	11	13	8	9
1927	65.7	99	29	4.08	9.93	2.10	......	11	12	8	10
1928	66.7	96	33	7.37	11.69	1.55	......	19	7	9	14
1929	68.2	100	28	3.50	8.92	1.56	......	8	16	9	5
1930	68.9	105	27	2.87	6.42	0.95	......	7	17	8	5
1891-1930	69.4	109	27	4.44	15.62	0.11	......	11	13	10	7

Climatological Data for June, 1930

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	29	62.6	−0.7	88	5†	27	1	52	5.07	+0.02	2.04	0	10	22	4	4	w.	Lewis T. Clark
Brandywine††	Pendleton	1,586	14	65.4	−2.5	95	24	30	1	47	2.95	−0.31	1.75	0	8	23	0	7	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	41	......	......	......	......	......	......	......	3.35	−0.30	1.10	0	10	......	......	......	......	J. C. Newcomer
Kearneysville	Jefferson	548	0	72.7	......	96	4†	36	1	49	3.80	......	1.84	0	8	16	7	7	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	38	[a]72.6	+2.0	99[a]	4†	36	1	47[a]	3.13	+0.64	1.55	0	9	22	8	0	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	34	72.0	+2.4	99	4†	29	1	56	4.87	+0 97	2.45	0	7	28	0	2	......	M. S. Henkel
Piedmont	Mineral	1,053	17	69.2	+0.4	94	5†	33	1	46	2.67	−0.89	2.00	0	5	19	5	6	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	32	[a]72.4	+2.5	104[a]	5	32	1	56[a]	3.19	−0.72	0.93	0	8	17	12	1	......	George E. Bergdoll
Stony River Dam	Grant	3,300	10	......	......	......	......	......	......	......	3.52	−0.36	1.99	0	7	13	6	11	w.	A. C. Becker
Upper Tract	Pendleton	1,230	31	[d]67.8	0	94[d]	5†	31[d]	1	58[d]	1.90	−1.73	1.10	0	4	23	0	7		J. M. Mallow
Wardensville	Hardy	1,200	13	[c]70.0	......	99[b]	24	34[c]	2	55[c]	2.50	......	0.58	0	9	14[c]	10[c]	3[c]	sw.	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	6	......	......	......	......	......	......	......	4.07	......	1.70	0	8	11	14	5	w.	L. Else Bond
Alma (near)	Tyler	......	3	......	......	......	......	......	......	......	2.97		0.60	0	10	15	11	4	......	D. N. Furbee
Alpena	Randolph	2,571	0	62.0	......	87	4	27	1	50	3.48	......	1.63	0	7	19	9	2	w.	Christian Hertig
Benson	Harrison	1,080	6	67.4	......	94	24†	31	1	50	2.37	......	0.97	0	8	11	17	2	......	John A. Clark
Bens Run	Pleasants	652	28	72.5	+2.2	98	24	41	1	45	2.09	−2.43	0.83	0	8	18	8	4	......	J. D. Riggs
Brownsville	Lewis	1,032	7	68.7	......	97	30	33	1	51	3 25	......	1.71	0	9	19	9	2	......	George M Meyers
Bruceton Mills	Preston	1,549	13	......	......	......	......	......	......	......	6.42	+1.84	2.55	0	7	15	11	4	sw.	Mrs. Ola Wolf
Buckhannon	Upshur	1,411	33	67.3	−1.3	91	24	37	1	37	4.05	−0.81	1.20	0	8	22	5	3	......	H. A. Darnall
Clarksburg	Harrison	1,015	8	69.4	......	97	30	35	1	45	2.90		1.13	0	7	15	10	5	w.	Clarksburg Water Board
Cortland	Tucker	3,300	19	......				......	......	......	2.48	−2.30	1.15	0	5	9	18	3	......	G. W. Harmon
Crawford	Lewis	1,107	7	......			......	......	......	......	3.59	......	1.34	0	9	12	16	2	sw.	George W. Blair
Creston	Wirt	640	28	67.9	−2.7	100	24	35	1	49	1.45	−2.82	0.75	0	6	21	2	7	sw.	J. M. Reed
Dam 10 Mon. R.	Marion	826	9	......	......	......	......	......	......	......	4.48	......	1.55	0	8	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	14	......	......	......	......	......	......	......	2.28	−1.41	0.81	0	9	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	14	......	......	......	......	......	......	......	2.05	−1 45	0.60	0	8	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	9	......	......	......	......	......	......	......	4.29	......	1.16	0	9	......	......	......	......	Lockmaster
Davis	Tucker	3,093	21	......	......	......	......	......	......	......	5.31	−0.10	1.59	0	10	......	......	......	......	Ross C. Male
Elizabeth (Dam 3 L. K.)	Wirt	615	18	......	......	......	......	......	......	......	1.20	−2.62	0.88	0	3	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	29	65.1	−1.8	89	30	32	1	46	3.80	−1.26	1.69	0	8	10	10	10	w.	U. S. Weather Bureau
Fairmont	Marion	883	24	71 5	+1.1	97	3†	37	1	49	4.40	0	1.78	0	9	14	8	8	w.	J. C. Robinson
Glenville	Gilmer	738	36	70.2	−0.6	98	24	36	1	50	2.48	−1.94	1.16	0	7	19	6	5	w.	Howard R. Brannon
Grafton	Taylor	1,000	37	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Curtis Boice
Horner††	Lewis	1,044	7	......	......	......	......	......	......	......	3.01	......	1.39	0	4	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	5	......	......	......	......	......	......	......	3.71	......	1.41	0	6	12	3	15	w.	J. W. White
Janelew (near)	Lewis	1,020	7	70.0	......	95	30	34	1	48	3.50	......	1.60	0	4	19	6	5	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	32	68.6	+0.8	96	30	32	1	51	3.22	−0.97	1.25	0	5	17	8	5	w.	Allen Smith
Mannington	Marion	985	27	66.6	−1.5	93	24	32	1	45	4.31	+0.09	1.42	0	12	16	10	4	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	37	69.1	0	91	24†	36	1	42	5.35	+0.81	2 00	0	7	17	8	5	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	32	[a]69.0	+1.1	94[a]	24	38	1	46[a]	4.98	+0.48	1.41	0	10	13	8	9	s.	C. H. Hesse
New Martinsville	Wetzel	634	36	71.0	−0.4	99	24	37	1	48	2.26	−1.81	0.55	0	7	15	14	1	s.	Wm. Ankrom
Parkersburg	Wood	638	43	72 4	+1.0	96	24	42	1	38	1.17	−2.83	0 61	0	5	11	9	10	se.	U. S. Weather Bureau
Parsons [j]	Tucker	1,649	30	68.5	+2.4	95	24†	......	......	......	3 88	−1.36	......	0	7	10	10	10	......	J. W. Swisher
Parsons No. 2	Tucker	......	4	......	......	......	......	......	......	......	3.72	−1.52	2.07	0	10	23	5	2	......	Robert T. Deem
Philippi	Barbour	1,550	33	......	......	......	......	......	......	......	3.65	−0.87	1.20	0	6	......	......	......	......	Prof. W. W. Thomson
Pickens	Randolph	2,697	27	[b]63.1	−1.8	93[b]	24	30	1	49	3.01	−3.23	1.72	0	6	21[a]	3[a]	5[a]	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	7	......	......	......	......	......	......	......	3.82		1.45	0	6	24	4	2	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	43	......			......	......	......	......	4.83	−0.19	1.52	0	10	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	21	......	......	......	......	......	......	......	1.25	−2.52	0.42	0	8	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	29	63.2	−2.6	86	30	29	1	45	5.30	−1.68	2.32	0	12	4	17	9	w.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	1	......	......	......	......	......	......	......	4.42	......	1.61	0	8	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	7	69.4	......	97	30	37	1	47	2.57	......	1.00	0	5	18	11	1	w.	J. C. Campbell
Vandalia	Lewis	1,120	7	......	......	......	......	......	......	......	2.97	......	1.05	0	4	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	23	67.6	0	93	4	31	1	49	3.56	−0.85	1.51	0	7	19	8	3	w.	George P. Pfister
West Milford	Harrison	979	5	......	......	......	......	......	......	......	3.00	......	1.25	0	......	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	35	70.0	−0.3	92	24†	38	1	44	3.12	−1.43	1.30	0	8	23	5	2	......	Weston State Hospital
Wheeling	Ohio	645	43	69.3	−1.6	98	4†	32	1	53	2.22	−1.59	0.77	0	9	13	12	5	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	3	......	......	......	......	......	......	......	3.26	......	1.27	0	9	19	7		sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	4	......	......	......	......	......	......	......	2.72	......	1.57	0	10	22	6	2	w.	H. S. Sutton
Bancroft	Putnam	574	26	71.0	+0.1	100	24	42	1	42	1.37	−2.26	0.35	0	5	24	0	6	ne.	R. E. Dent
Bluefield [e]	Mercer	2,558	35	68.3	−0.5	92	24	39	2	44	1.30	−3.48	0.46	0	9	18	4	3	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	15	......	......	......	......	......	......	......	2.97	−2.17	0.88	0	6	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	27	71.6	−1.4	103	25	42	1	44	1.58	−2.85	0.92	0	5	22	0	8	......	R O. Fields
Clay	Clay	706	14	......	......	......	......	......	......	......	1.94	−2.22	1.30	0	7	......	......	......	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	4	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	14	......	......	......	......	......	......	......	1.37	−1.66	0.72	0	5	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	14	......	......	......	......	......	......	......	1.60	−2.28	0.92	0	4	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	3	......	......	......	......	......	......	......	2.35		1.55	0	4	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	14	......	......	......	......	......	......	......	0.95	......	0.39	0	5	......	......	......	......	U. S. Engineers Office
Gary	McDowell	1,426	14	66.3	−2.7	102	24	37	1	46	2.26	−2.82	1.58	0	8	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	33	71.2	+0.7	101	24†	39	1	50	1.13	−3.10	0.35	0	7	25	4	1	......	Mrs. M. L. McClung
Huntington ††	Cabell	538	33	75.0	+2.4	105	24	42	1	42	1.06	−3.18	0.36	0	6	9	17	4	w.	H. N. Robinson
Kanawha Falls	Fayette	618	11	......	......	......	......	......	......	......	1.44		0.98	0	4	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	14	......	......	......	......	......	......	......	1.82	−3.99	1.06	0	6	......	......	......	......	Cabin Creek. Con Coal Co
Kermit	Mingo	579	4	......	......	......	......	......	......	......	1.34	......	0.60	0	6	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	30	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Geo. T. Argabrite
Logan	Logan	700	27	......	......	......	......	......	......	......	1.69	−3.72	1.25	0	4	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	31	62.3	−2.2	88	24†	30	1	50	2.44	−2.45	0.68	0	10	8	17	5	sw.	S. L. Brown
Point Pleasant	Mason	595	37	72.2	−0.2	98	24	39	1	46	1.71	−2.59	0.70	0	4	18	8	4	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	7	72.8	......	102	30	38	1	52	1.65	......	0.87	0	3	20	0	10	sw.	Lockmaster
Robertsburg	Putnam	570	30	71.2	−0.1	98	29	38	1	52	1.15	−2.90	0.47	0	5	21	0	9	......	M. Frazier
Ryan	Roane	700	27	66.8	−2.3	97	24	32	1	48	2.01	−2.46	0.60	0	8	18	8	4	......	Wm E. Ryan
Sharples	Logan	......	10	......	......	......	......	......	......	......	2.80	−1.99	1.22	0	5	......	......	......	......	R. W. Howard
Spencer	Roane	789	26	70.0	+0.1	99	24	38	1	43	1.68	−2.67	0.83	0	7	20	8	2	......	A. M. McKown
Sutton	Braxton	850	24	69.6	−3.2	96	30	37	1†	53	2.75	−2.28	0.75	0	7	23	0	7	......	C. B. Eakle
Union [e]	Monroe	2,250	26	69.1	+2.1	99	25	32	2	56	1.06	−3.10	0.40	0	4	12	9	4	......	W M. H. Young
Wayne	Wayne	598	3	......	......	......	......	......	......	......	1.04	......	0.39	0	5	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	20	[a]67.1	−0.9	98[a]	23	36	1	48	0.90	−3.73	0.60	0	2	28	0	2	......	A. P. Spence
Williamson††	Mingo	673	30	75.8	+3.8	102[a]	24	48	2	43[a]	2.64	−1.99	0.77	0	8	23	0	7	se.	Mrs. T W Lowe
State averages and	extremes	......	....	68.9	−0.2	105	24	27	1	58	2.87	−1.60	2.55	0	7	17	8	5	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for June, 1930

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac						.23	T	.61	.28	2.04							.10	.07			.10			1.30	.28	T	.06					5.07
Brandywine	do					T		.20	.25	.20	1.75							.15							.25	.10	.05						2.95
Harpers Ferry‖	do							.94	.04	.20	.09	.01						.06	1.10						.03	.78		.10					3.35
Kearneysville	do						.40	.01	.48		.07							1.84	.68						.04		.28						3.80
Martinsburg‖	do						T	.40		.30	.18							.02	1.55	.20					.08	.18		.22					3.13
Moorefield	do						T		.50	.05	2.45							.24	.80							.63	.20						4.87
Piedmont	do						.06			T	2.00			.01			T.	T.	.44						.16			T.					2.67
Romney‖	do							.35		.08	.78	.54							.93	.10						.30		.11					3.19
Stony River Dam	do							.15		.10	1.99	.30						.12							.31	.55							3.52
Upper Tract	do									.50	1.10							.20										.10					1.90
Wardensville‖	do							.05	.09	.33	.40	.04						.58	.54						T	.25		.22					2.50
Northern Division																																	
Aberdeen	Monongahela						.03	.05		T.	1.24			T.				1.70	.06						.44	.30	.25						4.07
Alma (near)	Ohio						.36	.30			.58						.04	.60		.19					.30	.43	.16				.01		2.97
Alpena	Monongahela						.36	T.	.34	.05	1.63	T					.12	.11	T						.87								3.48
Benson	do						.02			.02	.73							.97							.19	.22	.20	.02					2.37
Bens Run	do						.12				.11						.31	.15	.17	.07					.83		.33						2.09
Brownsville	do						.01	.09		.04	.88							1.71	.09						.13	.27	.03						3.25
Bruceton Mills	do					T.	.60	T	T	.13	1.56						.62	.60				T			2.55		.36						6.42
Buckhannon	do						.15			.18	1.20						.08	1.13	.06						1.18		.10	T.					4.08
Clarksburg‖	do							.06			1.13	.17						.86	.25							.24		.19					2.90
Cortland‖	do						.40		1.15	.43							.25								.25								2.48
Crawford‖	Little Kanawha						.05	.05		.03	.86							1.34	.09						.90	.11	.16						3.59
Creston‖	Monongahela							.21			.07	.03						.75		.12						.27							1.45
Dam 10, Mon. R.‖	Ohio						.06	.35			1.20	.35						1.26	.06	.04						1.16							4.48
Dam 12, O. R.‖	do						.17	.32			.14	.81						.35	T	.09					.02	.10		.28					2.28
Dam 13, O. R.‖	Monongahela						.10	.03			.15	.60						.47		.38						.20		.12					2.05
Dam 15, Mon. R‖	do						.02	.76			1.16	.34						.72	.05	.08						.93		.23					4.29
Davis‖	do						.02	.21		1.29	1.59	.46							.13				.05		.23	1.30		.03	T.				5.31
Elizabeth (D'm 3 LK)	Little Kanawha									.09								.23								.88							1.20
Elkins***	Monongahela					T.	.28		.10	.65	1.04						.07	.10		.08					1.48	T.	T.						3.80
Fairmont‖	do						.12	.54		T.	1.78	.32			.33				.06	.09						.81		.35					4.40
Glenville‖	Little Kanawha						T.	.15			.60							1.16	.11	.08						.33		.05					2.48
Grafton‖	Monongahela																																....
Horner	do						.12				.90							1.39							.60								3.01
Horton	do						.09		.54	.51	1.41							.26							.90		T.	T.					3.71
Janelew (near)	do										1.20							1.60						.35			.35						3.50
Lost Creek	do						.03		T	T.	1.16			T.			T.	1.25							.75	T.	.03						3.22
Mannington	do						.17	.25	.02	.09	1.42						.04	.96	.32	.27					.34	.42		.01					4.31
Morgantown	do						.25	.10	T.		1.50						.70	.70							2.00	.10		T.					5.35
New Cumberland‖	Ohio						.15	.50			.52	.92						1.07		.87			.15		.20	.55		.05					4.98
New Martinsville	do					.30					.55					.10	.16			.30					.55		.30						2.26
Parkersburg* **	do						.08	T.		T.	T.						.23	.10	.15					T.	.61	T.	T.			T.			1.17
Parsons	Monongahela						*	*	*	*	2.50						T.	T.						1.13	T.				.25				3.88
Parsons No. 2	do						.21	.12	.22	.06	2.01						.03	.12	.01						.80	.14							3.72
Philippi	do							.32			1.20	.25						.80	.40							.68							3.65
Pickens	do						.22		.21	.25	1.47						.13								.73		T.						3.01
Roanoke	do						.05				.95							T.	1.45						.65	.35	.37						3.82
Rowlesburg‖	do							.08		.28	1.52	.39						.89	.29				.04		.29	.95		.10					4.83
Saint Marys‖	Ohio						T.	.32			.01	.04						.30	.02	.06						.42		.08					1.25
Terra Alta	Monongahela					T.	.03	.01	.27	.15	2.17						.02	1.05	T.				.11		1.32	.09	.06	.02					5.30
Thomas‖	do							.24		.61	1.61	.49							.03				.05		.22	1.17							4.42
Valley Chapel	do										.92						.06	1.00								.34	.25						2.57
Vandalia	do			.77													.28	1.05							.87								2.97
Wellsburg	Ohio						.26				1.51							.25	.43	.04					.78		.29	T					3.56
West Milford	Monongahela										1.08			.20				1.25							.22	.13	.12						3.00
Weston	do							.05		.10	.65	.10						1.30	.22							.55		.15					3.12
Wheeling‖	Ohio						.17	.30			.17	.77						.33	T.	.20					.01	.05	T.	.22					2.22
Woodlands‖	do						.02				.50	.37						.74		.13					.09	1.27	.01	.13					3.26
Southern Division																																	
Arbovale	Great Kanawha					.02	.04	.04	.63	1.57					.01				.01						.13		.26	.01					2.72
Bancroft‖	do							.16										.35	.25	.29						.32							1.37
Bluefield	do					.06	.15	.27		.07							.04	.23	.01						.01		.46						1.30
Camden-on-Gauley‖	do							.88			.40	.59						.80								.10		.20					2.97
Charleston‖	do						.44	.14										.92	.06									.02					1.58
Clay‖	do						.06	.22			.10	.04						1.30	.06	.16													1.94
Dam 6 G. K‖	do																																....
Dam 19 O. R.‖	Ohio						T.	.26	T			.04						.25	.10	T.						.72	T.						1.37
Dam 20 O. R.‖	do						T.											.40	.26	.02						.92	T.						1.60
Dam 25 O. R.‖	do																	.50	.26							1.55	.04						2.35
Dam 26 O. R.‖	do							.01										.39	.33							.20	.02						0.95
Gary‖	Big Sandy						.02	.32	.01	.01	.02				.09				.21									1.58					2.26
Hinton‖	do						.05	.35		.07	.26								.16							.01		.23					1.13
Huntington‖	Ohio						.18				T.						.17	.29	.36						.05	.01	T.						1.06
Kanawha Falls‖	Great Kanawha						.06	.08										.98	.32														1.44
Kayford‖	do						.08	T.			.05							1.06	.40							.19		.04					1.82
Kermit‖	Big Sandy							.38			.08						.60	.13							.12						.03		1.34
Lewisburg	Great Kanawha																																....
Logan‖	Guyandotte						.32	T.										.75	.50							.12							1.69
Marlinton	Great Kanawha					.11	.04	.28	.22	.65	.68							.04	.08					.15			.19						2.44
Point Pleasant‖	Ohio								.02									.65	.34							.70	T.						1.71
Ravenswood (Dam 22	do																	.46	.32							.87							1.65
Robertsburg‖	Great Kanawha							.26										.47	.29	.04						.09							1.15
Ryan	do					.43	.23				.06						.03	.60	.03						.47		.16						2.01
Sharples‖	Coal River						.43	.10		T.								1.22	.86							.19							2.80
Spencer‖	Great Kanawha						.11	.22			.04	T.						.83	.07	.15						.26							1.68
Sutton	Gauley						.20	.15			.70							.75		.20					.60		.15						2.75
Union	do						.36	.21		.40				T.				T.										.09					1.06
Wayne‖	Big Sandy							.36										.39	.12	.02						.15							1.04
White Sulpr. Spgs.‖	Great Kanawha								.30	.60																							0.90
Williamson‖	Big Sandy						.17	.56			.01				.28			.77	.39							.30		.16					2.64

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for June, 1930

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	72	82	87	87	88	76	69	66	64	59	74	74	79	80	83	81	68	76	74	77	78	78	84	86	82	85	85	77	82	88	..	78.0
	Minimum	27	36	35	40	43	54	60	42	46	48	33	45	45	47	45	50	58	53	48	55	51	49	39	55	63	50	57	45	45	49	..	47.1
Brandywine	Maximum	75	80	87	88	82	80	75	74	75	70	70	74	78	80	82	80	75	80	84	82	83	82	90	95	85	86	80	84	87	88	..	81.0
	Minimum	30	36	40	45	47	48	47	48	49	51	40	50	52	57	56	56	60	61	50	51	50	51	45	55	54	55	54	50	48	56	..	49.7
Kearneysville	Maximum	82	90	94	96	96	89	80	72	79	70	81	84	84	87	91	92	79	84	83	84	86	86	90	94	89	95	77	82	87	95	..	85.9
	Minimum	36	47	45	56	59	69	63	57	56	59	53	61	64	62	61	68	67	64	60	62	60	60	55	67	63	68	63	60	56	65	..	59.5
Martinsburg§	Maximum	85	90	95	99	99	87	83	74	70	72	80	82	85	87	90	92	74	86	86	87	88	87	92	94	92	95	82	85	87	..	..	86.4
	Minimum	36	48	49	52	55	71	65	57	57	58	45	54	60	58	66	58	65	64	60	64	62	59	57	65	69	64	67	62	57	63	..	58.9
Moorfield	Maximum	85	93	97	99	99	93	87	84	75	72	82	84	88	89	92	92	88	89	87	86	86	87	92	96	94	96	86	86	91	98	..	89.1
	Minimum	29	39	43	48	52	67	60	53	54	55	42	53	58	59	58	60	64	63	56	58	59	56	49	60	62	59	62	55	51	60	..	54.8
Piedmont	Maximum	78	89	92	93	94	84	75	74	71	64	76	79	84	86	88	88	76	83	77	83	84	84	90	94	88	94	77	80	88	90	..	83.4
	Minimum	33	45	46	50	54	51	57	53	58	55	56	52	55	57	56	56	64	64	65	55	56	55	49	62	67	59	59	51	48	58	..	51.9
Romney §	Maximum	86	95	100	100	104	84	80	79	73	65	80	88	93	92	96	96	72	92	89	90	92	90	99	101	96	101	78	90	95	..	..	89.6
	Minimum	32	43	44	50	57	63	62	54	54	55	42	52	58	59	56	58	62	64	56	59	58	58	50	61	67	59	63	54	47	59	..	55 2
Upper Tract	Maximum	89	93	93	..	94	92	..	77	77	65	68	..	83	83	84	86	87	..	82	82	84	88	88	89	94	93	89	83	88	94	..	85.6
	Minimum	31	41	46	..	49	49	..	50	49	50	51	.	55	56	56	55	54	..	50	50	51	52	45	46	56	55	51	50	45	59	..	50.1
Wardensville	Maximum	84	89	95	97	97	90	84	73	70	70	75	81	90	..	91	92	73	85	85	86	..	85	91	99	91	92	77	87	89	94	..	86.1
	Minimum	..	34	42	48	50	62	60	55	56	56	40	49	56	57	..	54	62	61	54	55	56	..	47	59	64	56	60	53	50	60	..	53.9
Northern Division																																	
Alpena	Maximum	71	81	86	87	84	73	69	70	65	56	73	75	79	81	83	80	70	75	72	73	74	83	82	86	80	85	74	73	85	86	..	77.0
	Minimum	27	32	36	40	43	55	53	40	47	45	33	46	51	52	47	49	52	52	46	48	53	49	39	56	58	55	57	47	48	52	..	46.9
Bens Run	Maximum	85	91	84	95	92	88	76	75	75	72	89	88	92	95	94	85	77	83	85	89	91	90	97	98	90	89	87	86	97	96	..	87.7
	Minimum	41	46	49	54	56	68	59	47	48	55	49	55	56	58	59	68	60	62	57	60	59	59	55	69	68	67	61	58	54	62	..	57.3
Buckhannon	Maximum	72	80	82	83	85	80	73	69	69	63	76	79	83	83	83	84	71	76	77	79	79	80	82	91	82	88	80	77	84	89	..	79.3
	Minimum	37	43	47	50	56	67	62	50	51	53	44	54	55	55	57	57	61	60	58	57	56	57	50	67	62	63	63	55	53	60	..	55.3
Clarksburg §	Maximum	79	89	92	95	93	85	75	70	70	65	83	85	91	92	93	87	83	80	81	82	84	85	90	96	86	96	78	80	93	97	..	85.0
	Minimum	35	40	44	49	52	66	57	49	48	51	43	52	54	55	56	59	61	63	54	43	54	56	49	62	64	68	64	52	50	58	..	53.7
Creston	Maximum	83	88	91	92	92	86	75	74	77	69	84	85	90	90	92	89	84	79	84	87	88	90	92	100	92	91	86	85	95	95	..	83.5
	Minimum	35	39	43	47	50	66	50	45	50	54	42	50	50	53	55	56	61	56	55	56	53	52	50	63	64	61	59	50	49	56	..	52.3
Elkins	Maximum	73	81	87	86	87	77	69	67	64	59	76	77	81	83	87	79	70	77	75	77	78	78	84	89	82	88	71	77	88	89	..	78.5
	Minimum	32	38	41	46	48	60	48	46	50	45	41	52	53	60	58	59	61	57	54	53	54	54	46	62	61	57	55	53	50	57	..	51.7
Fairmont§	Maximum	83	93	97	96	95	87	76	72	72	60	86	85	90	95	96	86	75	85	85	87	88	89	89	97	90	89	80	85	93	97	..	86.6
	Minimum	37	45	48	51	70	68	56	49	51	54	45	55	57	57	59	63	61	63	55	55	57	58	51	67	66	63	62	55	52	61	..	56.4
Glenville	Maximum	80	90	94	94	93	87	84	74	80	69	85	88	91	92	94	94	79	82	84	87	88	90	94	98	89	91	87	86	94	97	..	87.8
	Minimum	36	42	44	48	51	67	70	59	44	48	41	47	49	51	53	55	58	55	54	53	58	52	47	65	63	60	61	47	46	55	..	52.6
Grafton	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Lost Creek	Maximum	79	88	92	93	92	84	79	74	70	65	81	82	88	90	91	86	75	79	79	83	85	88	89	93	85	88	82	84	92	96	..	84.4
	Minimum	32	38	41	46	50	68	55	48	49	52	40	50	53	54	54	60	61	62	54	55	54	52	46	65	63	60	63	51	49	59	..	52.8
Mannington	Maximum	76	82	87	87	87	82	70	70	70	60	77	80	84	84	87	83	76	77	77	86	82	82	83	93	82	86	81	77	87	91	..	80.7
	Minimum	32	38	42	46	50	63	54	46	50	54	42	51	52	54	55	57	59	62	53	55	53	55	47	62	65	61	61	50	47	55	..	52.4
Morgantown	Maximum	78	84	90	90	89	82	71	67	69	62	80	85	80	89	88	85	76	78	74	81	82	81	86	91	83	87	78	70	88	91	..	81.2
	Minimum	36	52	55	57	58	66	57	44	51	50	47	60	59	61	62	66	58	61	55	60	59	59	53	54	67	64	62	56	54	68	..	57.0
New Cumberland§	Maximum	80	87	93	91	92	81	70	70	73	61	80	82	86	88	89	82	78	78	81	82	84	82	89	94	91	85	77	76	91	..	..	82.5
	Minimum	38	43	47	52	55	68	57	45	47	53	48	53	53	59	60	65	61	61	57	54	56	58	50	59	67	67	64	56	50	58	..	55.4
New Martinsville	Maximum	83	90	95	95	93	86	74	73	74	66	85	93	93	93	84	79	84	81	82	86	89	88	94	99	89	89	84	82	96	96	..	86.5
	Minimum	37	43	47	51	54	68	59	45	48	54	45	53	58	58	64	60	62	64	55	57	55	57	52	62	67	65	63	53	52	61	..	55.6
Parkersburg	Maximum	80	86	91	92	88	85	73	70	73	69	83	84	88	90	90	86	78	79	82	85	88	86	93	96	90	88	80	82	94	96	..	84.8
	Minimum	42	49	53	58	58	63	57	50	49	56	52	64	60	64	66	65	63	61	56	61	60	60	60	71	68	71	67	64	59	71	..	59.9
Parsons	Maximum	..	..	..	..	..	..	..	..	..	..	82	81	87	89	93	87	74	81	82	82	81	85	90	95	93	92	80	86	86	95	..	86.0
	Minimum	..	..	..	..	..	..	..	..	..	..	45	52	52	53	53	53	58	54	53	53	52	47	46	46	46	58	48	51	50	50	..	51.0
Pickens	Maximum	74	84	87	87	87	75	75	69	67	56	73	77	83	83	84	82	75	78	..	78	74	81	83	93	83	89	..	79	86	88	..	79.6
	Minimum	30	35	42	42	45	56	48	39	41	42	36	51	50	53	56	54	48	45	..	46	47	46	41	57	55	54	..	44	47	54	..	46.6
Terra Alta	Maximum	71	81	85	85	83	79	72	65	65	58	73	72	76	80	84	82	75	74	72	75	76	75	81	85	79	84	75	72	83	86	..	76.8
	Minimum	29	39	40	44	47	64	53	47	48	46	34	49	51	53	48	59	56	58	49	57	56	54	42	56	63	52	56	47	42	52	..	49.7
Wellsburg	Maximum	81	87	92	93	92	85	75	73	74	65	81	84	91	91	92	84	80	80	80	84	86	85	92	84	91	85	79	78	91	92	..	84.2
	Minimum	31	39	43	47	50	68	56	42	43	52	43	50	51	55	56	59	59	60	53	51	53	53	45	44	55	63	60	52	44	56	..	51.1
Weston	Maximum	78	86	88	89	90	86	76	76	72	69	75	82	88	89	90	91	89	75	79	80	82	88	90	92	88	90	86	85	90	92	..	84.4
	Minimum	38	42	45	52	54	68	52	50	51	52	44	54	55	56	59	65	62	58	56	59	57	58	50	68	65	65	62	54	54	64	..	55.6
Wheeling§	Maximum	85	91	96	98	96	86	76	75	78	60	81	87	91	94	94	79	84	84	81	87	90	90	94	98	91	90	83	85	93	96	..	87.1
	Minimum	32	40	44	49	52	48	55	42	42	46	44	48	50	55	57	60	57	50	53	54	52	55	47	53	65	64	58	50	64	58	..	51.5
Southern Division																																	
Bluefield	Maximum	..	83	84	87	85	75	75	..	71	68	76	77	79	78	..	84	78	77	81	79	77	..	90	92	89	91	76	78	..	90	..	80.8
	Minimum	..	39	53	57	57	64	54	..	48	43	46	58	59	61	..	61	60	54	53	57	60	..	51	66	64	60	60	51	..	55	..	55.8
Charleston§	Maximum	84	90	94	96	94	84	80	78	70	78	88	82	88	88	94	92	80	86	90	90	92	96	94	103	98	96	86	90	98	98	..	85.9
	Minimum	42	46	50	54	56	62	58	50	48	50	50	54	58	62	64	60	60	60	58	60	62	62	58	62	66	68	60	56	60	64	..	57.3
Gary §	Maximum	78	85	88	88	86	79	72	71	65	70	80	81	83	85	87	89	77	79	85	78	82	87	92	102	93	98	83	92	101	98	..	77.8
	Minimum	37	41	44	47	51	58	55	52	52	47	43	50	55	56	56	55	64	61	54	55	62	61	61	72	73	60	58	52	55	58	..	54.8
Hinton §	Maximum	85	93	94	97	80	79	77	59	68	74	84	83	91	91	95	90	79	87	90	85	88	88	99	101	96	95	60	89	99	101	..	86.6
	Minimum	39	43	45	48	50	57	56	54	55	50	48	52	59	60	59	56	63	59	65	58	62	58	53	61	72	62	60	53	56	60	..	55.8
Huntington	Maximum	83	89	92	93	89	89	79	75	76	76	85	87	96	96	98	92	90	84	89	90	92	95	100	105	97	95	95	89	100	99	..	90.5
	Minimum	42	47	51	55	63	70	55	50	49	56	48	59	58	65	60	68	63	60	59	63	63	60	60	73	67	69	65	65	59	64	..	59.5
Lewisburg	Maximum	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	.	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Marlinton	Maximum	74	80	84	84	82	70	70	66	68	66	70	72	76	80	78	78	68	76	78	76	76	78	86	88	84	88	74	78	84	82	..	77.1
	Minimum	30	34	34	38	42	54	52	48	46	44	46	46	41	52	50	60	54	52	46	48	50	50	46	52	58	54	52	44	48	50	..	47.5
Point Pleasant	Maximum	83	90	94	95	90	89	79	73	79	74	86	90	93	93	95	90	84	82	85	88	90	91	94	98	94	92	87	85	97	96	..	88.5
	Minimum	39	44	48	52	54	68	56	47	41	51	48	57	53	58	59	66	58	58	54	60	59	58	56	69	63	66	65	54	54	62	..	56.0
Ravenswood	Maximum	83	91	95	96	101	96	84	74	81	71	84	85	89	92	90	90	84	86	83	88	89	97	101	98	94	94	86	88	95	102	..	89.6
	Minimum	38	39	48	53	55	55	57	41	44	53	46	58	57	61	62	68	60	59	55	60	57	56	57	69	65	69	66	53	54	65	..	56.0
Robertsburg§	Maximum	90	91	95	93	85	86	68	69	70	68	85	87	94	91	94	89	86	79	84	86	88	89	95	97	94	88	72	83	98	94	..	86.3
	Minimum	38	48	50	52	53	67	53	48	44	49	45	55	57	57	59	61	60	58	56	61	60	58	56	69	64	67	65	53	55	62	..	56.0
Ryan	Maximum	76	85	88	90	85	80	70	68	70	60	80	82	87	87	90	85	75	73	82	80	85	87	90	97	90	87	80	90	90	95	..	82.8
	Minimum	32	37	43	46	57	60	49	48	41	48	40	52	51	53	50	56	60	54	53	50	55	51	50	62	62	61	56	52	49	50	..	50.9
Spencer §	Maximum	80	86	90	90	88	82	73	77	71	70	81	84	68	88	90	83	76	78	82	84	86	89	91	99	90	89	85	82	93	95	..	84.0
	Minimum	38	43	48	52	54	61	56	50	45	49	45	56	57	59	60	67	63	59	57	60	60	56	54	64	66	66	67	54	54	62	..	56.1
Sutton	Maximum	80	87	92	93	93	89	82	72	71	66	80	83	91	91	92	92	87	77	83	85	85	86	92	95	95	89	85	84	93	96	..	86.2
	Minimum	37	37	39	47	51	58	57	46	52	51	45	52	53	54	53	56	60	57	56	56	57	58	51	63	61	62	53	51	54	58	..	52.9
Union	Maximum	..	88	90	92	92	81	74	..	73	70	81	80	79	81	..	87	85	83	85	82	84	..	93	98	99	95	87	83	..	93	..	85.4
	Minimum	..	32	45	46	47	61	55	..	49	47	45	54	56	62	..	58	60	55	49	54	53	..	48	60	65	56	61	47	..	54	..	52.8
White Sulphur Spgs§	Maximum	83	87	88	82	73	70	70	70	68	76	75	78	81	86	83	77	84	85	84	82	85	91	98	91	95	78	85	93	94	..	..	82.5
	Minimum	36	39	44	43	59	56	52	51	50	43	50	51	61	59	52	58	56	48	50	57	52	45	51	66	55	62	45	50	55	56	..	51.7
Williamson§	Maximum	75	89	92	95	88	85	75	70	75	77	84	85	90	85	92	90	80	88	89	83	95	93	95	102	95	97	85	85	96	..	..	87.2
	Minimum	57	48	49	64	69	70	62	60	55	55	60	62	58	65	70	68	64	63	64	65	67	67	70	71	72	72	72	70	70	75	..	64.5

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.218	.260	.260	.245	.228	.287	.225	.227	.166	.009	.146	.190	.236	.252	.235	.289	.211	.071	.255	.233	.223	.262	.296	.200	.224	.144	.276	.230	.274	.235	....	6.607
	Wind movement	61	54	34	36	32	47	73	101	49	80	60	15	35	41	18	37	46	28	57	49	60	35	53	24	59	29	97	77	54	24	....	1,465

(WBO, Cleveland, 7-24 30—900)

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVIII Parkersburg, W. Va., July, 1930 No. 7

GENERAL SUMMARY

The weather conditions for July, 1930, were radically abnormal. The average rainfall for the State, 1.90 inches, was the least of July State record, and the fall at one station, .06 inch at Wardensville, was the least recorded for any July at any station for the years of record. The precipitation was deficient by months, from January to July, inclusive, the State deficiency for that period being 10.66 inches. For the past four months, including July, the departure from the normal was —7.40 inches. The most destructive drought of State record prevailed during June and July, continuing into August. The hay crop was small, oats were short and poor, and pastures and meadows were burned brown. Corn at the close of July was small and twisted from lack of moisture and continued high temperature. The smaller streams were dried-up and many wells failed, making water scarce for stock and domestic uses. The crop conditions were best in the middle or mountain portions of the State. With the exception of three years, the temperature averaged the highest of July State record. At Moorefield a maximum temperature of 109° was noted, the highest of State record for July. The weather was also exceptionally clear, the average number of clear days being 21, the greatest of record, except for the months of September and October.

TEMPERATURE

The monthly mean for the State, determined from 46 stations, was 74.9°. The departure from the normal for 36 stations having ten or more years of record was +1.8°. Moderately cool weather prevailed from the 2d to the 5th and during the 14th and 15th. It was moderately warm from the 6th to the 13th and decidedly warm from the 18th to the 29th, when the maximum temperatures ranged generally from 90° to 104°. The highest temperature occurred generally on the 20th and 28th.

PRECIPITATION

The average precipitation for the State, determined from 82 stations, was 1.90 inches. The departure from the normal for 54 stations having ten or more years of record was —2.59 inches. The rainfall, was greatest over the mountain regions and least over the eastern panhandle counties. Nearly all the rainfall of consequence was measured on the 1st-2d, 6-7th, 13-14th, 22-23d and the 27-28th, the greatest amounts being measured on the 13-14th, 22d, and 27th.

LIGHT HAIL

Light hail fell in sections of the following counties on the dates given: Hancock, 2d; Brooke, 8th; Mineral, 9th; Pocahontas, 10th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 2d and 23d; Elkins, 4th and 28th; Fairmont, 15th; Mannington, 7th, 8th, 15th, and 16th; Marlinton, 3d, 4th, 8th, 15th, 16th, 18th, 19th, 23d, and 29th; Pickens, 14th; Rowlesburg, 6th and 27th; Terra Alta, 14th, 15th, and 27th; Wellsburg, 8th and 15th.

Frost, light: Bayard, 4th.

Halos, lunar: Huntington, 4th and 11th.

Thunderstorms (dates and number of stations reporting): 1st, 5; 2d, 2; 6th, 7; 7th, 5; 9th, 1; 10th, 3; 12th, 2; 13th, 6; 14th, 2; 21st, 1; 22d, 12; 23d, 2; 26th, 2; 27th, 3; 28th, 4; 29th, 1.

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PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
									Max. velocity		
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Miles per hour	Direction	Date
Cincinnati, Ohio	29.99	61	37	41	367.5	81	4,060	5.5	25	nw.	26
Columbus, Ohio	29.98	68	42	49	282.5	63	5,838	8.1	51	nw.	24
Elkins	29.98	81	48	59	320.6	71	2,623	3.5	24	nw.	22
Lexington, Ky	30.01	63	42	...	329.3	73	7,425	10.0	27	e.	26
Parkersburg	30.00	61	36	39	337.1	74	3,327	4.5	21	nw.	26
Pittsburgh, Pa	29.97	70	44	48	327.9	72	5,806	7.8	29	nw.	26
Wytheville, Va	29.96	72	45	53	267.0	60	3,616	4.9	23	w.	22

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 01 inch or more	Clear	Partly Cloudy	Cloudy
1891	**67.5**	......	......	5.59	......	......	......	......	......	..	......
1892	73.4	98	41	4.20	......	......	......	9	..	......	......
1893	73.8	98	42	2.96	5.95	1.37	......	9	20	10	1
1894	73.3	100	36	2.21	4.84	0.50	......	7	10	19	2
1895	70.5	99	39	4.35	7.04	1.65	......	9	11	13	7
1896	73.3	97	46	9.07	**15.70**	2.91	......	14	9	12	10
1897	74.2	102	46	5.43	9.92	2.85	......	13	11	12	8
1898	75.0	103	40	4.46	8.33	1.53	......	13	12	7	12
1899	73.3	100	33	3.78	7.92	0.20	......	9	14	10	7
1900	74.7	104	41	4.38	7.88	1.72	......	13	15	11	5
1901	**77.4**	104	47	3.16	6.21	0.69	......	9	14	12	5
1902	74.2	104	45	3.54	8.42	0.96	......	8	14	12	5
1903	72.5	100	37	3.74	8.30	1.82	......	10	16	10	5
1904	71.5	97	42	3.28	6.00	1.04	......	10	14	12	5
1905	73.3	98	43	5.92	10.64	3.00	...	14	12	11	8
1906	72.4	98	45	4.54	7.40	1.50		12	12	11	8
1907	72.7	98	42	6.66	13.36	1.99	......	13	12	14	5
1908	74.0	100	41	5.21	9.43	2.08	......	11	14	13	4
1909	70.2	96	36	4.17	10.50	0.60	...	11	14	11	6
1910	73.8	98	41	4.92	13.16	0.54	......	11	13	12	6
1911	73.3	106	40	2.82	6.94	0.40	......	5	16	12	3
1912	72.0	100	45	7.48	15.22	2.67	......	13	12	12	7
1913	74.2	103	40	5.80	10.07	2.14	......	12	15	12	4
1914	73.1	106	38	4.11	7.74	0.98	......	7	16	10	5
1915	71.9	99	38	4.63	11.31	1.82	......	13	12	11	8
1916	74.8	102	42	3.49	9.47	1.06	......	9	16	8	7
1917	72.6	104	44	4.83	8.27	1.25	......	12	14	10	7
1918	70.3	101	38	3.18	6.90	1.04	......	8	17	7	7
1919	74.3	104	41	5.51	13.08	1.96	......	10	18	7	6
1920	70.1	99	40	4.84	8.94	2.34	....	10	16	8	7
1921	75.6	101	44	3.58	8.90	1.08	...	9	16	10	5
1922	72.9	99	43	4.53	8.05	1.33	.....	11	15	8	8
1923	71.7	100	37	4.70	9.46	2.22	...	10	16	8	7
1924	70.0	99	36	4.49	7.63	1.65	......	11	16	9	6
1925	72.2	102	**31**	5.05	7.84	1.08	......	11	13	11	7
1926	72.6	107	37	4.45	8.07	0.83	......	10	15	8	8
1927	72.3	100	36	5.09	12.40	1.65	......	10	15	9	7
1928	73.5	102	35	4.23	8.97	1.10	......	11	15	10	6
1929	72.7	104	32	4.09	10.61	0.80	......	10	15	10	6
1930	74.9	**109**	34	1.90	7.02	**0.06**	......	6	21	7	3
1891-1930	72.9	109	31	4.51	15.70	0.06	......	10	14	11	6

Climatological Data for July, 1930

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	29	66.8	+0.2	94	20†	34	4	46	2.70	−2.30	1.47	0	6	31	0	0	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	14	74.2	+3.3	100	20†	43	16	47	0.20	−3.43	0.15	0	2	28	1	2	w.	Elmer Keister
Harpers Ferry	Jefferson	244	41	......	......	......	......	......	......	....	0.18	−3.28	0.14	0	4	......	......	......	......	J. C. Newcomer
Kearneysville	Jefferson	548	0	77.8	......	105	20†	46	16	42	0.30	......	0.25	0	2	23	7	1	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	38	^{a}79.0	+3.7	106^{a}	20	48	16	40^{a}	1.28	−2.50	0.95	0	5	28	3	0	se.	Dr. H. S. Gardner
Moorefield	Hardy	900	34	77.6	+3.4	109	28	41	15	50	0.56	−2.96	0.17	0	4	31	0	0	......	M. S. Henkel
Piedmont	Mineral	1,053	17	73.8	+2.8	102	28	42	5	47	1.36	−2.20	0.46	0	5	21	6	4	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	32	^{a}76.8	+1.9	106^{a}	28	43	3†	47^{a}	0.45	−3.17	0.23	0	3	25	5	1	......	George E. Bergdoll
Stony River Dam	Grant	3,300	10	......	......	......	......	......	......	....	2.44	......	1.41	0	3	16	9	6	w.	A. C. Becker
Upper Tract	Pendleton	1,230	31	74.8	+2.8	104	28	48	15†	46	0.66	−3.02	0.50	0	2	27	0	4	w.	J. M. Mallow
Wardensville	Hardy	1,200	13	^{a}75.2	......	104^{a}	20†	40	16	53^{a}	0.06	......	0.03	0	2	16	12	3	w.	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	6	......	......	......	......	......	......	....	3.03	......	0.94	0	6	17	14	0	w.	L. Else Bond
Alma (near)	Tyler	......	3	......	......	......	......	......	......	....	1.48	......	0.51	0	6	21	8	2	......	D. N. Furbee
Alpena	Randolph	2,571	0	66.5	......	92	28	34	4	46	2.82	......	0.85	0	9	20	11	0	w.	Christian Hertig
Benson	Harrison	1,080	6	73.9	......	100	20	39	4	48	1.00	......	0.63	0	7	15	13	3	......	John A. Clark
Bens Run	Pleasants	652	28	77.6	+2.7	104	20	49	4†	43	1.82	−2.73	0.61	0	8	22	8	1	......	J. D. Riggs
Brownsville	Lewis	1,032	7	75.0	......	102	20†	41	15	47	1.37	......	0.42	0	5	21	10	0	......	George M. Meyers
Bruceton Mills ††	Preston	1,549	13	......	......	......	......	......	......	....	1.50	−3.80	0.63	0	4	22	7	2	sw.	Mrs. Ola Wolf
Buckhannon	Upshur	1,411	33	72.2	+0.2	94	20	46	4	34	3.41	−1.93	1.90	0	7	25	4	2	......	H. A. Darnall
Cairo	Ritchie	680	29	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	8	75.1	......	102	20	44	4	44	0.84	......	0.72	0	4	20	7	4	w.	Clarksburg Water Board
Cortland	Tucker	3,300	19	......	......	......	......	......	......	....	1.61	−4.39	0.80	0	3	17	11	3	......	G. W. Harmon
Crawford	Lewis	1,107	7	......	......	......	......	......	......	....	2.19	......	1.10	0	6	22	9	0	sw.	George W. Blair
Creston	Wirt	640	28	76.7	+2.1	104	28	42	4	51	1.50	−2.72	0.51	0	6	23	2	6	......	J. M. Reed
Dam 10 Mon. R.	Marion	826	9	......	......	......	......	......	......	....	2.50	......	0.97	0	4	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	14	......	......	......	......	......	......	....	2.30	−1.12	0.92	0	6	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	14	......	......	......	......	......	......	....	2.46	−1.39	0.94	0	6	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	9	......	......	......	......	......	......	....	1.44	......	0.63	0	8	......	......	......	......	Lockmaster
Davis	Tucker	3,093	21	......	......	......	......	......	......	....	2.63	−2.71	1.31	0	8	......	......	......	......	Ross C. Male
Elizabeth (Dam 3 L. K)	Wirt	615	18	......	......	......	......	......	......	....	1.56	−2.73	0.63	0	4	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	29	70.0	−0.3	94	20	43	4	39	3.01	−2.37	1.00	0	7	12	11	8	nw.	U. S. Weather Bureau
Fairmont	Marion	883	24	76.8	+3.0	104	20	46	15	46	1.50	−3.10	0.68	0	7	22	7	2	w.	J. C. Robinson
Glenville	Gilmer	738	36	76.8	+1.9	105	28	43	15†	50	0.99	−4.30	0.41	0	6	19	10	2	w.	Howard R. Brannon
Grafton	Taylor	1,000	37	......	......	......	......	......	......	....	....	......	......	......	......	......	......	......	......	Curtis Boice
Horner ††	Lewis	1,044	7	......	......	......	......	......	......	....	2.20	......	0.97	0	3	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	5	......	......	......	......	......	......	....	4.66	......	2.00	0	6	18	4	9	sw.	J. W. White
Janelew (near)	Lewis	1,020	7	75.4	......	102	20	44	4	45	2.85	......	1.35	0	4	23	3	5	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	32	74.6	+2.4	101	28	40	4	48	1.50	−3.28	1.01	0	5	22	6	3	w.	Allen Smith
Mannington	Marion	985	27	71.9	0	98	20	42	4	40	2.71	−2.26	1.64	0	8	18	8	5	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	37	73.8	+0.5	100	20	42	15	39	1.96	−3.02	0.61	0	6	23	7	1	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	32	^{a}74.3	+1.5	102^{a}	20	46	15	46^{a}	1.81	−2.32	1.04	0	6	15	10	6	n.	C. H. Hesse
New Martinsville	Wetzel	634	36	74.9	−0.4	105	20	48	4†	45	1.72	−3.08	1.05	0	4	24	5	2	n.	Wm. Ankrom
Parkersburg	Wood	638	43	78.4	+3.0	104	28	52	4	38	1.24	−3.05	0.63	0	7	17	8	6	sw.	U. S. Weather Bureau
Parsons ††	Tucker	1,649	30	71.7	+1.6	100	20†	45	4	47	2.98	−2.14	2.00	0	3	26	3	2	......	J. W. Swisher
Parsons No. 2	Tucker	......	4	......	......	......	......	......	......	....	3.21	−1.91	1.98	0	7	23	5	3	......	Robert T. Deem
Philippi	Barbour	1,550	33	......	......	......	......	......	......	....	3.96	−1.02	1.75	0	7	......	......	......	......	Prof. W. W. Thomson
Pickens	Randolph	2,697	27	66.8	−1.6	98	28	35	3	45	3.00	−3.41	1.30	0	7	19	8	4	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	7	......	......	......	......	......	......	....	1.76	......	0.60	0	7	22	9	0	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	43	......	......	......	......	......	......	....	1.94	−3.08	0.80	0	6	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	21	......	......	......	......	......	......	....	0.79	−3.32	0.40	0	8	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	29	67.6	−1.5	95	20	36	4	41	2.05	−3.51	0.93	0	8	11	12	8	sw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	1	......	......	......	......	......	......	....	2.70	......	1.67	0	4	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	7	76.0	......	102	20	45	4	45	1.69	......	0.58	0	7	26	4	1	w.	J. C. Campbell
Vandalia	Lewis	1,120	7	......	......	......	......	......	......	....	2.21	......	1.44	0	5	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	23	73.2	+1.4	103	20	40	14	51	1.46	−2.85	0.46	0	8	24	5	2	w.	George P. Pfister
West Milford	Harrison	979	5	......	......	......	......	......	......	....	1.49	......	1.10	0	4	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	35	76.0	+1.7	103	20	45	4	41	1.09	−3.88	0.52	0	6	23	5	3	......	Weston State Hospital
Wheeling	Ohio	645	43	74.7	0	106	20†	42	4	51	1.43	−3.07	0.50	0	6	20	5	6	se.	Miss M. B. Forsyth
Woodlands	Marshall	637	3	......	......	......	......	......	......	....	1.94	......	0.91	0	7	14	16	1	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	4	......	......	......	......	......	......	....	1.48	......	1.10	0	6	21	6	4	w.	H. S. Sutton
Bancroft	Putnam	574	26	77.9	+3.1	103	20	48	4	46	2.34	−1.70	1.50	0	6	18	0	13	ne.	R. E. Dent
Bluefield	Mercer	2,558	35	^{c}73.7	+2.1	94^{c}	26	48^{c}	15	38^{c}	4.65	+0.18	3.25	0	6	22^{d}	3^{d}	2^{d}	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	15	......	......	......	......	......	......	....	1.27	−3.78	0.72	0	3	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	27	79.6	+3.0	106	20†	52	4	44	3.08	−1.20	1.73	0	5	21	0	10	......	R. O. Fields
Clay	Clay	706	14	......	......	......	......	......	......	....	2.06	−2.13	0.77	0	8	......	......	......	......	Chilton Wilson
Dam 6 G. K	Kanawha	598	4	......	......	......	......	......	......	....	2.27	......	1.45	0	6	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	14	......	......	......	......	......	......	....	2.05	−2.30	0.86	0	9	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	14	......	......	......	......	......	......	....	2.01	−1.75	0.74	0	5	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	3	......	......	......	......	......	......	....	2.54	......	1.69	0	5	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	14	......	......	......	......	......	......	....	1.98	......	0.85	0	5	......	......	......	......	U. S. Engineers Office
Gary	Mc Dowell	1,426	14	74.1	......	101	6	50	4	47	2.09	−2.19	0.71	0	10	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	33	77.9	+3.8	102	25†	50	4	46	1.59	−2.36	0.63	0	5	21	7	3	......	Mrs. M. L. McClung
Huntington	Cabell	538	33	81.5	+5.1	108	28	53	4	44	1.00	−3.21	0.38	0	8	11	14	6	n.	H. N. Robinson
Kanawha Falls	Fayette	618	11	......	......	......	......	......	......	....	1.65	......	1.32	0	2	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	14	......	......	......	......	......	......	....	7.02	+2.30	4.60	0	7	......	......	......	......	Cabin Creek. Con Coal Co
Kermit	Mingo	579	4	......	......	......	......	......	......	....	0.79	......	0.48	0	4	......	......	......	......	E. B. Kirk
Lewisburg	Greenbrier	2,250	30	72.6	+1.6	97	26	47	4	47	3.01	−0.96	1.40	0	8	23	7	1	nw.	Geo. T. Argabrite
Logan	Logan	700	27	......	......	......	......	......	......	....	1.23	−4.67	0.36	0	7	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	31	67.3	0	94	28	40	4†	46	0.86	−4.41	0.60	0	3	10	20	1	sw.	S. L. Brown
Point Pleasant	Mason	595	37	76.6	+0.2	104	20†	48	5†	46	1.89	−2.12	0.87	0	6	21	8	2	sw.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	7	79.1	......	102	6†	47	4	46	1.41	−2.60	1.07	0	4	24	0	7	se.	Lockmaster
Robertsburg	Putnam	570	30	78.4	+3.0	104	20†	47	4	46	1.22	−2.52	0.58	0	8	22	0	9	......	M. Frazier
Ryan	Roane	700	27	77.4	+4.1	102	20†	44	4	45	2.03	−2.53	1.32	0	7	21	9	1	......	Wm E. Ryan
Sharples	Logan	......	10	......	......	......	......	......	......	....	2.11	......	0.97	0	6	......	......	......	......	R. W. Howard
Spencer	Roane	789	26	76.4	+2.8	102	20†	46	4	43	1.12	−3.17	0.59	0	4	20	8	3	......	A. M. McKown
Sutton	Braxton	850	24	75.8	−0.4	105	28†	48	4	45	1.80	−3.37	0.95	0	7	24	0	7	......	C. B. Eakle
Union^{d}	Monroe	2,250	26	75.2	+4.2	100	28†	47	4	46	0.91	−3.14	0.46	0	3	14	12	1	......	W. M. H. Young
Wayne	Wayne	598	3	......	......	......	......	......	......	....	1.42	......	0.46	0	6	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	20	^{a}72.6	......	99^{a}	27	46	3	47^{a}	1.30	−3.75	0.60	0	4	30	1	0	......	A. P. Spence
Williamson ††	Mingo	673	30	^{a}82.8	+7.3	105^{a}	28	60	15†	34^{a}	2.17	−2.09	0.76	0	9	20	0	11	se.	Mrs. T. W Lowe
State averages and	extremes	......	....	74.9	+1.8	109	28	34	4	53	1.90	−2.59	3.25	0	6	21	7	3	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means.

† Also on other dates. †† Received too late to be included in means and summaries.

Reference letters ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for July, 1930

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard||||	Potomac		.23				.06							.20	.50								1.17	.24									2.70
Brandywine	....do													.15	T.								.05										0.20
Harpers Ferry ||||	....do	T.	.14					.01							T.									.02				.01					0.18
Kearneysville	....do		.25					.05																									0.30
Martinsburg ||||	....do		.20	.04				.04			T.													.95				.05		T.			1.28
Moorefield	....do		.17											.17		.10								.12									0.56
Piedmont	....do	.46									.20			.20	.32					.18													1.36
Romney||||	....do		.12					.10							.23																		0.45
Stony River Dam	....do		.07												.96									1.11									2.14
Upper Tract	....do		.50											.16																			0.66
Wardensville||||	....do										T.				.03									.03						T			0.06
Northern Division																																	
Aberdeen	Monongahela ..		.94				T.							.55	.03								.78	.68					T.	.05			3.03
Alma (near)	Ohio	.51					.09	.15						.20	.11														.42				1.48
Alpena	Monongahela ..		.45		.02		.02	.15						.85	.70							.35		.05					.23				2.82
Benson	....do	.01	.02					.06						.63	.03									.05					.20				1.09
Bens Run	....do	.61		.02							.03			.46	.13								.18					.21	.18				1.82
Brownsville	....do							.21						.42	.10								.23	.41									1.37
Bruceton Mills	....do	.37	T.					.16						.63	T.									.34									1.50
Buckhannon	....do	T.	.36				.08							.28	.05								1.90	.04					.70				3.41
Cairo	Little Kanawha																																....
Clarksburg||||	....do							.07						.09	.63														.05				0.84
Cortland ||||	....do													.80									.65					.16					1.61
Crawford||||	Little Kanawha	T.					.01	.26						.39	.26								1.10						.17				2.19
Creston||||	Monongahela ..	.12						.09						.37	.06									.35				.51					1.50
Dam 10, Mon. R.||||	Ohio		.29					.54							.97														.70				2.50
Dam 12, O. R.||||	....do	.16	.79				.10	.26							.92								.07					T.					2.30
Dam 13, O. R.||||	Monongahela ..	.22	.84				.15	.94							.19								.12										2.46
Dam 15, Mon. R.||||	....do	.02	.04				.19	.24						.02	.63									.16					.14				1.44
Davis ||||	....do		.02			.04		.05			.02				1.11	.03								1.31					.05				2.63
Elizabeth(D'm 3 LK)	Little Kanawha	.43													.22									.63				.28					1.56
Elkins***	Monongahela ..	1.00	T.				.04	T.		T.				.51	.41								.96	T.			.01	.08					3.01
Fairmont||||	....do	T.	.06				.23	.20			T			.02	.68									.16					.15				1.50
Glenville ||||	Little Kanawha	.06						.41						.26	.04									.16						.06			0.99
Grafton ||||	Monongahela ..																																....
Horner	....do													.68									.97	.55									2.20
Horton	....do		.72				.16							.56	.44								.78						2.00				4.66
Janelew (near)	....do		.85					.20						.45									1.35										2.85
Lost Creek	....do	T.	T				T.	.05						1.01	.03								.15				T.		.26				1.50
Mannington	....do	.11	.03				.09	.13						.28	.35								.08						1.64				2.71
Morgantown	....do	T.	.15				.20	.55						.20	.61								T.					.25					1.96
New Cumberland||||	Ohio		.19					.02							.03								.02	1.04				.51					1.81
New Martinsville	....do	1.05					.15							.32	.20																		1.72
Parkersburg***	....do	.63				T.	.11	.02						.19									.17				.03	.09	T.				1.24
Parsons	Monongahela ..						T							.83	T								2.00					.15					2.98
Parsons No. 2	....do		.24				.04				T.			.63	.19								.90	1.08					.13				3.21
Philippi	....do		.05					.03			.03			.30	.50									1.75					1.30				3.96
Pickens	....do		.17				.39	.21						.45	.85								.85						.08				3.00
Roanoke	....do						.05	.37						.19	.05							.32	.60								.18		1.76
Rowlesburg||||	....do		.19				.09	.10							.80	T.							T.	.62					.14				1.94
Saint Marys||||	Ohio	.12	.40				.02	.02						T.	.18								.01	.03				T.		.01			0.79
Terra Alta	Monongahela ..	T.	.50				.15	.10			.04			.17	.93								T.	.06			T.		.10				2.05
Thomas ||||	....do							.01							1.00	.02								1.67									2.70
Valley Chapel	....do		.36					.25						.58	.04								.33	.05					.08				1.69
Vandalia	....do							.37		.11					.22								1.44						.07				2.21
Wellsburg	Ohio	.30	.05				.11		.46				T.	T.									.32	.11		.02	T.	.09					1.46
West Milford	Monongahela ..								.28					1.02	.08														.11				1.49
Weston	....do						.05	.12						.12	.20									.52					.08				1.09
Wheeling||||	Ohio	.22	.30				.10	.24						T.	.50								.07					T.					1.43
Woodlands||||	....do	.23	.25				.05	.14			T.			.03	.91									.33				T.					1.94
Southern Division																																	
Arbovale	Great Kanawha	.01	.09					.01			.09				1.10								.18										1.48
Bancroft ||||	....do	.10						.08																.46				1.50	.05	.15			2.34
Bluefield	....do							.03			.65				.06									.61					3.25	.05			4.65
Camden-on-Gauley||||	....do														.72										.22			.33					1.27
Charleston ||||	....do	.44	.02												.05									.84				1.73					3.08
Clay||||	....do	.02	.75											.06	.04								.09	.36				.49	.25				2.06
Dam 6 G. K ||||	....do	.36						.02						.04	.02									.38				1.45					2.27
Dam 19 O. R. ||||	Ohio	.04	.40				.03	.10						.06	.34									.18				.86		.04			2.05
Dam 20 O. R. ||||	....do	.34	.74												.57									.15				.24					2.04
Dam 25 O. R. ||||	....do	.20	.33												.12									.20				1.69					2.54
Dam 26 O. R. ||||	....do	.45	.10												.10									.48				.85					1.98
Gary ||||	Big Sandy							.02	.01						.71	.01								.13	.50	.02		.46	.18	.05			2.09
Hinton||||	....do							.02			T.				.44									.25	.25	T.		.63					1.59
Huntington ||||	Ohio	.38					.04	.14		T.				T.	.02								.03	.18				.20	.01				1.00
Kanawha Falls||||	Great Kanawha																							.33				1.32					1.65
Kayford||||	....do		.01					.37							.35									.65	.01			4.60		1.03			7.02
Kermit||||	Big Sandy							.02						.01														.28		.48			0.79
Lewisburg	Great Kanawha		.27											.66	.74								.25	.07	.27			.55	.20				3.01
Logan||||	Guyandotte	.12						.18						T.	.12									.25				.07	.13	.36			1.23
Marlinton	Great Kanawha		.04				T.							.60														T.	.22				0.86
Point Pleasant||||	Ohio	.23	.09					.18						T.	.14									.38				.87					1.89
Ravenswood(Dam 22	....do	.20													1.07									.12				.02					1.41
Robertsburg||||	Great Kanawha	.12	.07					.31							.03									.08				.58	.02	.01			1.22
Ryan	....do	1.32					.14	.07						.08									.09				.01	.32					2.03
Sharples||||	Coal River	.08												.62										.12				.97	.12	.20			2.11
Spencer ||||	Great Kanawha	.22	T.											.21										.10				.59					1.12
Sutton	Gauley		.05				.20							.25	.15								.95					.10		.10			1.80
Union	....do	T						T.							.39									.06	T.				.46				0.91
Wayne ||||	Big Sandy	.14													.46									.25				.06	.15		.36		1.42
White Sulpr. Spgs.||||	Great Kanawha	.05												.60											.20		.45						1.30
Williamson||||	Big Sandy	.45	.02					.76						.09		T.								.11	.03			.40	.06	.25			2.17

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

|||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for July, 1930

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum ...	75	73	71	79	86	81	81	80	86	81	86	82	79	76	75	81	78	89	90	94	92	90	85	84	90	91	83	94	87	81	82	83.3
	Minimum....	58	52	39	34	41	55	61	45	45	56	42	42	46	55	42	35	43	43	57	62	65	65	51	52	49	50	70	56	59	45	44	50.3
Brandywine	Maximum ...	82	84	80	85	94	87	83	86	93	91	92	91	90	80	82	90	86	97	98	100	98	97	94	92	96	99	92	97	100	90	85	90.7
	Minimum....	54	57	55	53	53	54	57	54	56	54	55	49	52	60	44	53	55	57	62	68	72	68	65	60	60	62	70	67	64	63	47	57.7
Kearneysville	Maximum ...	86	80	77	82	90	89	90	87	93	94	90	86	89	79	82	88	89	98	102	105	103	101	96	92	99	105	99	100	103	94	92	92.3
	Minimum....	70	60	58	50	55	68	64	57	58	60	57	66	57	66	50	46	56	68	72	79	76	76	65	63	60	65	75	69	71	65	56	63.2
Martinsburg§	Maximum ...	87	82	81	83	90	89	92	90	95	86	98	87	88	82	83	88	90	100	103	106	105	103	98	98	102	105	100	101	104	91	..	93.6
	Minimum....	70	62	59	53	58	63	64	62	59	69	56	62	57	62	55	48	56	65	69	80	86	82	67	67	62	65	74	72	71	65	57	64.4
Moorfield	Maximum ...	94	88	79	87	93	95	93	91	96	96	99	95	89	85	84	93	91	103	105	107	107	98	90	98	103	109	105	109	108	97	98	96.3
	Minimum....	49	59	48	45	53	65	67	54	55	65	50	51	54	64	41	43	50	66	68	70	70	77	64	60	56	58	77	67	67	58	57	59.0
Piedmont	Maximum ...	84	77	75	84	89	86	88	84	91	89	90	84	82	75	85	87	88	95	96	100	98	96	92	90	98	100	96	102	97	89	91	89.6
	Minimum....	64	60	49	45	42	61	61	56	56	60	52	52	54	62	47	45	51	60	62	64	69	69	63	62	58	60	76	65	68	54	53	58.1
Romney §	Maximum ...	86	83	79	86	95	88	92	90	96	96	96	89	85	78	85	91	91	100	101	106	102	100	96	94	102	104	100	106	103	94	..	93.8
	Minimum....	72	60	43	44	53	62	64	54	54	63	50	54	53	64	47	43	53	59	72	74	76	84	64	61	58	59	75	67	67	56	52	59.9
Upper Tract	Maximum ...	90	90	89	89	89	92	90	90	92	90	89	90	89	89	90	93	94	94	95	99	98	96	91	94	96	100	95	104	100	94	90	92.9
	Minimum....	60	59	58	57	56	62	65	51	55	54	54	50	49	49	48	48	48	52	61	66	65	58	58	58	52	56	72	63	64	59	49	56.6
Wardensville	Maximum ...	88	85	81	85	94	85	92	91	95	91	96	92	84	79	85	89	88	99	102	104	102	100	96	94	102	104	99	102	102	92	..	93.3
	Minimum....	69	58	49	41	41	62	62	52	53	62	50	52	51	64	46	40	53	64	64	68	68	73	60	57	55	57	64	64	64	58	49	57.1
Northern Division																																	
Alpena	Maximum ...	73	71	69	80	86	76	82	81	85	81	85	81	75	70	77	81	78	89	87	91	88	81	82	81	89	90	81	92	83	81	80	81.5
	Minimum....	58	54	42	34	44	53	60	43	46	57	44	43	48	54	42	39	48	57	55	59	70	65	56	52	48	50	67	61	57	48	44	51.5
Bens Run	Maximum ...	85	72	81	90	95	90	94	91	97	93	93	95	85	78	83	92	98	99	101	104	101	92	95	95	101	99	94	103	87	93	90	92.5
	Minimum....	66	60	51	49	56	68	67	58	61	66	57	56	63	61	49	52	55	65	66	75	79	76	69	64	62	61	74	69	69	59	59	62.6
Buckhannon	Maximum ...	79	77	72	72	85	80	84	83	86	82	88	85	84	74	75	81	84	89	91	94	93	90	85	84	86	92	83	90	88	81	83	83.9
	Minimum....	65	62	49	46	55	65	66	55	58	65	54	53	61	61	50	51	56	64	65	68	68	77	64	64	60	59	73	66	66	57	55	60.6
Clarksburg §	Maximum ...	85	77	76	88	95	87	88	88	93	86	93	90	84	73	78	90	91	98	98	102	98	93	93	92	101	101	91	101	95	90	90	90.5
	Minimum....	66	61	47	44	54	66	63	53	56	63	51	49	58	62	45	49	53	63	63	67	73	84	65	61	65	58	74	66	65	54	53	59.7
Creston	Maximum ...	90	82	82	89	95	92	94	93	96	95	98	95	94	83	84	97	94	97	103	103	102	99	94	95	99	99	96	104	96	94	91	94.4
	Minimum..	64	58	48	42	52	65	68	51	55	61	50	50	60	64	64	46	51	66	60	69	70	71	67	60	55	56	70	65	65	53	52	59.0
Elkins	Maximum ...	77	70	69	78	85	80	82	81	87	80	88	82	79	75	75	82	81	89	91	94	92	89	84	84	90	92	82	93	87	81	81	83.2
	Minimum....	63	54	47	43	48	61	59	51	53	56	49	50	54	50	47	47	54	60	66	73	78	66	61	59	54	55	70	65	63	53	50	56.7
Fairmont§	Maximum ..	86	81	80	90	96	91	93	90	96	91	95	93	89	75	83	91	90	100	101	104	101	93	94	94	103	100	95	101	98	92	92	92.8
	Minimum....	68	61	49	47	58	66	64	56	59	68	51	53	61	61	46	50	54	54	65	70	75	76	68	65	61	61	74	66	69	56	56	60.9
Glenville	Maximum ...	93	83	82	96	93	95	94	92	90	93	91	96	95	86	85	93	96	98	102	104	102	98	91	95	102	100	93	105	97	96	94	94.6
	Minimum....	61	56	44	52	60	60	59	59	59	61	58	66	58	60	43	43	50	59	58	84	86	68	64	57	52	55	69	62	65	53	52	59.1
Grafton	Maximum ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Lost Creek	Maximum ...	83	80	85	88	95	88	93	90	95	91	96	92	83	79	80	90	92	98	91	100	98	95	90	94	100	100	90	101	98	92	93	91.7
	Minimum..	63	59	51	40	51	66	61	51	55	63	49	47	57	62	45	47	54	58	60	54	65	72	63	60	55	57	74	74	65	52	52	57.5
Mannington	Maximum ...	81	73	74	80	87	83	85	82	90	85	89	86	81	80	75	83	86	92	95	98	96	93	88	90	95	96	90	94	89	85	85	86.6
	Minimum...	65	60	46	42	51	63	64	52	55	60	51	48	56	61	44	46	50	59	58	63	69	68	65	61	57	56	71	66	64	51	52	57.2
Morgantown	Maximum ...	80	72	74	83	88	83	84	81	91	88	90	83	84	77	76	87	89	94	92	100	96	88	81	91	98	96	92	99	91	86	85	87.1
	Minimum ..	66	58	48	44	56	65	65	56	57	51	56	52	63	58	42	56	55	56	70	77	78	71	67	66	63	63	71	67	69	55	56	60.5
New Cumberland§	Maximum ...	83	71	75	84	90	92	85	85	92	87	89	88	88	69	80	89	95	98	98	102	100	83	89	90	98	99	89	99	86	87	..	88.7
	Minimum....	66	57	50	48	58	60	62	55	57	63	55	53	62	61	46	50	49	57	66	72	71	71	65	63	60	62	72	67	67	54	57	59.9
New Martinsville	Maximum ...	83	76	79	85	95	89	91	87	95	90	96	92	88	86	81	89	97	98	100	105	100	98	93	94	101	100	98	104	95	91	91	89.3
	Minimum....	65	60	51	48	54	64	67	55	57	64	54	53	62	64	48	50	52	63	63	68	73	73	68	63	61	60	72	67	66	54	55	60.5
Parkersburg	Maximum ...	83	76	77	86	93	90	90	88	94	89	95	92	87	75	80	89	95	96	100	103	101	92	92	92	99	97	90	104	93	90	90	90.9
	Minimum....	66	62	55	52	58	68	72	63	64	70	60	63	69	58	53	54	57	74	75	80	82	72	71	66	64	67	73	71	73	64	63	65.8
Parsons	Maximum ...	81	81	75	85	93	90	88	87	93	93	92	88	86	68	82	89	87	97	96	100	98	95	88	89	95	98	96	100	95	87	87	89.6
	Minimum....	50	50	46	45	47	60	54	53	54	49	48	48	49	48	49	46	49	50	49	65	66	65	63	60	55	55	65	65	64	50	50	53.8
Pickens	Maximum ...	72	73	75	82	87	79	83	82	82	83	87	83	77	72	71	72	73	89	87	93	88	88	82	81	90	96	88	98	94	79	82	82.8
	Minimum....	56	53	35	37	47	53	47	45	48	50	47	40	52	50	40	53	50	55	55	58	62	56	55	51	48	68	60	55	55	46	45	50.7
Terra Alta	Maximum ...	81	70	67	77	83	79	78	77	84	83	81	79	76	74	76	82	80	88	89	95	91	86	83	84	90	89	85	92	86	82	80	82.2
	Minimum....	59	54	41	36	44	60	62	46	48	58	45	44	48	54	39	41	46	55	58	65	69	67	64	53	52	51	70	58	65	45	47	53.0
Wellsburg	Maximum ...	84	74	78	84	90	90	88	86	94	88	90	89	82	83	89	96	96	98	100	103	101	93	92	92	99	100	91	100	90	88	98	91.2
	Minimum....	64	55	45	42	54	63	62	50	53	56	50	47	61	40	41	45	50	56	58	65	64	61	64	61	59	55	65	62	62	48	50	55.1
Weston	Maximum ...	75	78	76	78	88	88	90	91	94	92	94	90	89	85	79	88	92	98	100	103	100	96	95	94	95	95	92	100	98	93	94	91.0
	Minimum....	65	62	48	45	55	65	64	54	59	65	56	54	60	64	48	50	51	65	66	69	79	78	67	64	59	58	75	66	65	59	58	61.1
Wheeling§	Maximum ...	84	78	82	89	96	91	91	88	99	92	97	92	86	78	84	89	97	101	101	106	102	98	93	97	104	102	104	106	96	94	92	93.8
	Minimum....	62	54	44	42	49	60	60	51	55	55	52	49	54	50	43	44	47	50	60	70	69	66	70	60	60	57	60	62	66	50	52	55.6
Southern Division																																	
Bluefield	Maximum ...	87	80	78	..	87	..	90	90	89	87	92	90	..	92	72	80	81	87	88	..	91	90	87	84	92	94	..	93	92	91	83	87.2
	Minimum....	68	56	51	..	49	..	61	54	57	64	59	63	..	61	48	58	59	62	60	..	68	70	66	64	58	65	..	63	66	59	55	60.2
Charleston§	Maximum ...	84	84	84	92	98	92	98	98	98	98	100	98	94	70	90	92	94	100	103	106	104	99	96	98	104	103	95	106	103	98	96	96.1
	Minimum....	66	62	54	52	54	62	70	60	60	64	58	60	64	68	58	56	60	64	66	68	72	72	68	70	62	62	66	70	70	62	58	63.2
Gary §	Maximum ...	82	85	78	91	95	101	90	91	89	88	93	93	86	73	77	84	88	89	93	95	96	94	87	86	94	96	82	96	94	86	83	88.9
	Minimum....	62	58	52	50	53	54	57	51	54	60	53	60	61	70	53	56	57	60	59	61	63	67	67	66	60	59	63	68	67	61	55	59.3
Hinton §	Maximum ...	95	80	85	95	99	98	98	99	96	98	98	98	90	82	85	93	87	101	99	101	101	97	91	93	102	101	93	102	98	89	92	94.7
	Minimum....	63	60	53	50	56	61	66	53	57	63	56	63	60	67	54	56	59	63	61	64	67	76	69	69	56	59	64	68	67	61	53	61.1
Huntington	Maximum ...	87	85	84	92	99	97	98	97	99	96	103	100	99	98	89	95	100	101	103	105	104	101	98	98	102	99	99	108	101	97	96	97.7
	Minimum....	67	64	55	53	59	63	68	58	62	65	59	64	70	64	54	54	58	71	69	75	76	73	69	72	61	67	72	74	77	66	62	65.3
Lewisburg	Maximum ...	83	79	77	85	91	91	90	90	90	90	94	91	84	80	76	83	75	90	90	94	93	94	87	85	92	97	86	94	93	91	84	87.7
	Minimum....	59	54	50	47	54	58	62	49	53	65	50	60	57	64	49	52	58	61	60	62	65	63	63	67	53	50	67	63	63	58	49	57.6
Marlinton	Maximum ...	76	74	72	78	88	84	86	84	86	84	88	80	80	68	76	78	74	86	88	92	90	90	84	82	88	90	84	94	90	80	82	83.1
	Minimum....	52	52	44	40	46	50	62	44	48	52	42	50	54	50	42	44	52	52	54	54	60	64	58	64	46	52	62	56	58	52	40	51.5
Point Pleasant	Maximum ...	86	79	81	94	88	96	93	92	97	96	100	98	93	86	84	91	98	99	102	104	103	96	98	96	101	98	94	104	99	95	93	91.4
	Minimum....	65	59	51	64	48	54	67	56	60	62	55	57	65	63	48	50	52	72	64	74	74	67	72	63	56	64	69	70	68	61	69	61.9
Ravenswood	Maximum ...	95	85	83	87	96	102	94	99	100	93	100	102	99	89	83	95	99	99	100	102	100	100	97	96	97	97	98	100	95	95	92	95.8
	Minimum....	67	60	53	47	55	68	64	55	61	65	55	56	69	64	51	49	55	78	65	72	75	73	67	62	58	64	72	68	69	59	59	62.4
Robertsburg§	Maximum ...	88	81	83	88	94	96	94	96	96	95	102	101	88	86	84	93	99	98	99	104	99	95	93	94	101	93	93	104	95	92	91	94.0
	Minimum....	66	63	50	47	56	66	69	55	51	68	56	59	67	64	54	50	56	67	65	73	72	76	68	68	58	66	75	70	69	63	58	62.7
Ryan	Maximum ...	80	75	75	85	90	85	90	85	95	90	95	90	80	75	80	85	95	95	99	102	100	95	90	95	98	98	85	102	99	95	92	96.6
	Minimum. ..	62	56	47	44	53	61	60	52	62	60	50	52	60	50	47	51	53	65	59	63	66	70	63	60	53	58	62	63	75	72	52	58.1
Spencer §	Maximum ...	82	79	78	84	94	87	92	92	95	90	97	85	84	77	82	86	94	96	100	102	100	92	92	92	99	98	90	102	92	91	91	90.8
	Minimum....	66	61	50	46	57	62	66	55	56	66	54	57	64	55	51	50	59	64	66	75	77	80	66	65	57	61	79	67	69	60	58	62.0
Sutton	Maximum ...	96	80	78	87	92	92	92	92	94	94	95	97	97	86	82	90	91	98	101	103	103	101	90	90	96	98	98	105	105	95	89	93.8
	Minimum....	61	60	49	48	52	62	64	53	55	62	50	52	57	63	50	51	56	61	60	62	68	64	65	63	54	56	62	65	64	56	51	57.9
Union	Maximum ...	91	86	83	93	94	..	95	95	95	95	96	97	..	96	75	80	85	95	95	..	98	98	96	88	99	98	..	100	100	95	88	92.8
	Minimum....	61	52	52	47	49	..	61	50	55	64	54	59	..	59	49	55	58	61	59	..	66	72	65	66	53	58	..	62	64	56	49	57.6
White Sulphur Spgs§	Maximum ...	84	83	89	94	92	94	94	93	93	96	94	88	76	74	81	79	94	95	98	97	96	90	90	92	98	90	99	98	84	86	..	90.4
	Minimum....	57	50	46	52	56	58	48	52	58	49	55	50	58	47	48	57	59	57	59	60	66	61	64	50	53	54	63	63	54	45	50	54.8
Williamson §	Maximum ...	82	85	90	92	92	97	94	95	94	99	100	101	95	85	85	91	95	96	102	101	102	100	93	93	100	100	100	105	100	92	..	95.2
	Minimum....	67	64	65	70	70	70	70	63	66	72	75	78	80	75	60	62	70	75	68	70	80	84	74	73	68	68	75	75	72	68	60	70.5

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.353	.134	.211	.245	.255	.279	.170	.389	.300	.298	.345	.379	.258	.145	.140	.225	.240	.195	.330	.392	.401	.487	.278	.289	.289	.267	.278	.205	.289	.411	.289	8.766
	Wind movement	50	97	36	48	43	26	65	58	54	56	65	90	40	68	68	51	27	26	42	84	66	71	142	35	38	48	53	54	25	82	39	1,747

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 8-22-30—900)

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

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HENRY C. HOWE, Meteorologist

VOL. XXXVIII PARKERSBURG, W. VA., AUGUST, 1930 No. 8

GENERAL SUMMARY

The weather for August was erratic. The temperature was unusually high during the first decade, the highest temperature of August State record, 112°, having been recorded on the 4th. The weather was generally cool during the last two decades, the lowest temperature of State August record, 30°, having been recorded at two stations, Alpena and Bayard, on the 12th, when light to killing frosts occurred in the mountain counties, doing considerable damage to corn, potatoes, buckwheat and tomatoes. The average rainfall was the fourth lowest of August State record. The rainfall for the five months ending with August was the lowest for any five-month period of State record. For the past three months a serious drought prevailed and the conditions were not materially improved at the close of August. In the driest portions of the State corn was nearly a failure, the potato yield exeedingly small, truck fields poor, and pastures and meadows were burned brown by lack of moisture and by high temperature.

TEMPERATURE

The monthly mean for the State, determined from 48 stations, was 70.7°. The departure from the normal for 38 stations having ten or more years of record was −1.1°. High temperature prevailed until the 10th. The weather was generally somewhat cool after that date, except the 15-17th and the last four days of the month, when slight plus departures occurred.

PRECIPITATION

The average precipitation for the State, determined from 83 stations, was 2.20 inches. The departure from the normal for 57 stations having ten or more years of record was −1.95 inches. The rainfall was greatest over the southern counties, especially in the more elevated regions. It was lightest over the eastern panhandle and the western counties. The bulk of the rain fell on the 6-8th, 14th, 17-18th, and from the 21st to the 25th, the greatest amounts being recorded on the 14th.

LIGHT HAIL

Light hail was noted in sections of the following counties on dates given: Jefferson, 15th; Cabell, 23d; Randolph, 26th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 6th, 7th, and 28th; Bancroft, 2d, 16th, 19th, 20th, 25th, 26th, 28th, and 30th; Elkins, 7th, 19th, 25th, and 28th; Hinton, 16th, 26th, 27th, and 28th; Huntington, 6th; Mannington, 7th, 15th, 16th, and 28th; Marlinton, 2d, 3d, 7th, 9th, 16th, 17th, 19th, 21st, 24th, 25th, 28th, 30th, and 31st; Point Pleasant, 15th, 16th, and 28th; Terra Alta, 7th and 18th; Thomas, 7th and 12th; Wellsburg, 9th and 21st; Wheeling, 7th, 9th, 25th, 27th, and 28th.

MISCELLANEOUS PHENOMENA (Continued)

Frost, killing: Alpena, 12th and 13th; Arbovale, Bayard, Pickens, and Terra Alta, 12th.

Halo, lunar: Wellsburg, 7th.

Halo, solar: Terra Alta, 7th.

Thunderstorms (dates and number of stations reporting): 1st, 1; 5th, 4; 6th, 4; 8th, 5; 10th, 2; 13th, 1; 16th, 2; 17th, 2; 18th, 2; 20th, 2; 21st, 3; 24th, 3; 25th, 2; 26th, 8; 27th, 4.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a.m.	local noon	8 p.m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.04	74	40	47	278.0	66	3,396	4.6	22	nw.	9
Columbus, Ohio	30.03	70	47	49	255.7	60	5,089	6.8	34	nw.	9
Elkins	30.05	87	46	63	229.4	54	2,118	2.8	17	w.	10
Lexington, Ky.	30.05	68	41	....	252.2	60	6,746	9.1	54	nw.	9
Parkersburg	30.05	73	43	50	240.5	57	2,581	3.5	26	nw.	8
Pittsburgh, Pa.	30.04	72	47	46	205.3	49	4,286	5.8	24	n.	10
Wytheville, Va.	30.03	78	45	63	251.0	60	2,930	3.9	16	w.	10

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	69.8	......	...	5.48	......	......	......				
1892	72.1	96	41	2.55	......	......	......	......	......	......	......
1893	70.8	98	41	3.38	......	......	......	7	......	......	......
1894	71.5	103	38	2.07	5.15	0.27	......	......	......	......	......
1895	73.3	104	40	3.01	7.69	1.15	......	6	14	12	5
1896	72.6	97	40	2.82	5.69	0.88	......	8	15	11	5
1897	70.9	100	42	2.91	5.93	0.77	......	7	15	12	4
1898	73.7	96	44	7.51	11.57	4.40	......	9	13	14	4
1899	73.5	100	34	2.64	6.37	0.34	......	12	12	12	7
1900	**76.0**	100	45	3.15	7.20	1.03	......	6	15	11	5
1901	73.6	98	43	5.14	13.70	1.64	......	8	17	10	4
1902	70.4	98	35	2.40	6.05	0.97	......	12	10	13	8
1903	71.4	105	38	2.64	5.85	0.99	......	7	15	13	3
1904	70.7	95	32	2.88	6.71	0.67	......	8	12	13	6
1905	71.3	96	40	4.25	8.32	1.32	......	9	15	10	6
1906	75.4	98	47	5.15	10.72	2.18	......	9	14	11	6
1907	69.4	93	41	4.64	10.12	1.55	......	13	10	13	8
1908	70.9	101	37	2.82	5.63	0.84	......	11	13	10	8
1909	70.8	99	37	3.03	5.79	0.81	......	7	15	10	6
1910	70.8	98	39	2.03	5.58	0.70	......	6	16	10	5
1911	73.5	105	40	6.71	12.14	2.38	......	5	17	10	4
1912	69.3	95	35	3.64	11.70	0.25	......	12	13	10	8
1913	72.7	102	37	3.18	8.20	0.79	......	11	10	13	8
1914	71.8	100	40	4.86	9.29	1.38	......	6	19	7	5
1915	69.4	99	36	4.84	8.36	2.46	......	10	15	9	7
1916	72.9	104	40	4.76	15.35	1.46	......	14	10	11	10
1917	71.6	102	39	3.53	8.80	0.94	......	10	14	9	8
1918	**76.0**	110	43	3.96	9.15	0.63	......	8	17	8	6
1919	70.2	100	40	4.54	8.67	0.95	......	9	17	8	6
1920	71.1	95	42	4.27	9.28	1.69	......	11	16	9	6
1921	69.7	98	37	5.20	9.46	2.13	......	14	9	10	12
1922	68.9	98	31	3.87	7.51	1.20	......	9	16	8	7
1923	71.0	99	33	4.39	12.42	1.60	......	10	14	9	8
1924	71.7	104	34	4.63	9.34	0.69	......	10	15	8	8
1925	70.7	100	33	1.86	4.92	0.20	......	9	18	8	5
1926	74.0	105	38	6.94	**15.36**	2.95	......	7	18	8	5
1927	**67.1**	94	34	4.33	8.03	1.34	......	13	13	7	11
1928	74.0	103	39	5.36	8.43	1.85	......	11	12	9	10
1929	69.1	101	33	3.31	5.75	**0.14**	......	14	11	8	12
1930	70.7	**112**	**30**	2.20	5.07	0.70	......	7	16	8	7
1891-1930	71.6	112	30	3.92	15.36	0.14	......	9	14	10	7

Climatological Data for August, 1930

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	29	63.6	−2.4	95	4	30	12	49	1.89	−2.63	1.02	0	11	19	11	1	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	14	68.4	−1.5	100	4	38	13	48	1.50	−1.58	0.60	0	6	23	1	7	s.	Elmer Keister
Harpers Ferry	Jefferson	244	41	.....	.....	.....	.....	.....	.....	.....	0.88	−2.99	0.40	0	4	.....	.....	.....	.....	J. C. Newcomer
Kearneysville	Jefferson	548	0	75.1	.....	107	4	46	12†	41	1.01	.....	0.44	0	5	22	2	7	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	38	^{a}74.7	+1.7	108^{a}	4†	48	12†	42^{a}	1.08	−2.73	0.35	0	6	25	4	2	se.	Dr. H. S. Gardner
Moorefield	Hardy	900	34	74.2	+0.9	112	4	39	12	58	0.88	−2.28	0.50	0	4	30	0	1	.....	M. S. Henkel
Piedmont	Mineral	1,053	17	71.0	+0.6	102	4	41	12	48	2.00	−1.59	0.88	0	7	13	12	6	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	32	^{b}72.2	−0.7	106^{b}	3†	40^{a}	12	52	1.54	−2.45	0.53	0	6	14	12	5	.....	George E. Bergdoll
Stony River Dam	Grant	3,300	10	.....	.....	.....	.....	.....	.....	.....	1.40	−3.51	0.73	0	5	6	11	14	w.	A. C. Becker
Upper Tract	Pendleton	1,230	31	^{b}70.4	−0.6	103^{b}	3	37^{b}	12	53^{b}	0.70	−2.65	0.40	0	2	26	0	5	.....	J. M. Mallow
Wardensville	Hardy	1,200	13	^{a}72.0	.....	105^{a}	4	39	14†	49^{a}	0.76	.....	0.43	0	4	12^{b}	13^{b}	4^{b}	w.	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	6	.....	.....	.....	.....	.....	.....	.....	1.46	.....	1.00	0	7	12	16	3	w.	L. Else Bond
Alma (near)	Tyler	.....	3	.....	.....	.....	.....	.....	.....	.....	2.62	.....	0.70	0	9	19	4	8	.....	D. N. Furbee
Alpena	Randolph	2,571	0	63.3	.....	92	3†	30	12	52	2.00	.....	0.98	0	4	13	15	3	w.	Christian Hertig
Benson	Harrison	1,080	6	70.0	.....	101	4	35	12	50	1.66	.....	1.12	0	9	15	13	3	.....	John A. Clark
Bens Run	Pleasants	652	28	73.8	0	104	4	47	12†	44	2.14	−2.10	0.86	0	8	17	9	5	.....	J. D. Riggs
Brownsville	Lewis	1,032	7	71.2	.....	103	4†	37	12	53	2.06	.....	0.94	0	10	16	10	5	.....	George M. Meyers
Bruceton Mills††	Preston	1,549	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Ola Wolf
Buckhannon	Upshur	1,411	33	69.2	−1.1	94	4	41	12	38	1.55	−2.55	1.12	0	4	18	11	2	.....	H. A. Darnall
Cairo	Ritchie	680	29	71.2	−1.6	103	4	39	12	51	1.76	−1.86	0.95	0	5	6	0	25	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	8	70.8	.....	101	3†	40	12	50	1.48	.....	0.65	0	7	12	11	8	w.	Clarksburg Water Board
Cortland	Tucker	3,300	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	G. W. Harmon
Crawford	Lewis	1,107	7	.....	.....	.....	.....	.....	.....	.....	2.13	.....	1.02	0	11	15	13	3	sw.	George W. Blair
Creston	Wirt	640	28	72.8	−0.6	105	4	40	13	51	2.75	−0.70	0.56	0	11	14	7	10	.....	J. M. Reed
Dam 10 Mon. R	Marion	826	9	.....	.....	.....	.....	.....	.....	.....	1.92	.....	1.10	0	9	.....	.....	.....	.....	Lockmaster
Dam 12 O. R	Ohio	660	14	.....	.....	.....	.....	.....	.....	.....	0.97	−3.80	0.51	0	5	.....	.....	.....	.....	Lockmaster
Dam 13 O. R	Ohio	655	14	.....	.....	.....	.....	.....	.....	.....	1.43	−3.10	0.67	0	10	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Monongalia	882	9	.....	.....	.....	.....	.....	.....	.....	1.74	.....	0.94	0	10	.....	.....	.....	.....	Lockmaster
Davis	Tucker	3,093	21	.....	.....	.....	.....	.....	.....	.....	2.03	−2.99	0.83	0	10	.....	.....	.....	.....	Ross C. Male
Elizabeth (Dam 3 L. K)	Wirt	615	18	.....	.....	.....	.....	.....	.....	.....	2.59	−1.78	0.92	0	7	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,947	29	66.6	−2.5	94	4	37	12	45	1.28	−2.58	0.93	0	9	8	12	11	nw.	U. S. Weather Bureau
Fairmont	Marion	883	24	72.8	0	107	4	44	12	47	1.92	−1.77	0.59	0	10	14	9	8	w.	J. C. Robinson
Glenville	Gilmer	738	36	71.3	−1.8	105	4	37	12	54	2.72	−1.19	1.30	0	11	22	2	7	w.	Howard R. Brannon
Grafton	Taylor	1,000	37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Curtis Boice
Horner††	Lewis	1,044	7	.....	.....	.....	.....	.....	.....	.....	2.14	.....	1.20	0	7	.....	.....	.....	.....	Foster R. Hardman
Horton	Randolph	2,840	5	.....	.....	.....	.....	.....	.....	.....	2.56	.....	1.26	0	7	6	6	19	w.	J. W. White
Janelew (near)	Lewis	1,020	7	71.0	.....	104	4	37	12	51	1.75	.....	1.05	0	5	16	7	8	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	32	71.8	+0.8	103	4	38	12	51	1.34	−2.68	0.99	0	5	15	12	4	w.	Allen Smith
Mannington	Marion	985	27	68.4	−2.5	98	4	39	12	45	1.86	−2.06	0.91	0	7	17	5	9	w.	Jas. A. Morgan
Morgantown††	Monongalia	1,250	37	70.4	−1.9	102	4	44	12†	39	1.88	−2.30	1.00	0	4	14	10	6	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	32	^{a}70.2	−0.7	101^{a}	4	43	12†	45^{a}	1.87	−1.61	0.84	0	12	11	9	11	n.	C. H. Hesse
New Martinsville	Wetzel	634	36	73.3	−0.8	104	4	43	12	49	0.95	−2.55	0.35	0	6	19	4	8	n.	Wm. Ankrom
Parkersburg	Wood	638	43	73.8	−0.1	102	4	49	12	40	1.63	−1.88	0.78	0	10	9	12	10	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	30	68.6	−0.6	102	4	36	12	53	1.51	−2.28	1.07	0	4	17	11	3	.....	J. W. Swisher
Parsons No. 2	Tucker	.....	4	.....	.....	.....	.....	.....	.....	.....	1.83	−1.96	1.27	0	7	19	4	8	.....	Robert T. Deem
Philippi	Barbour	1,550	33	.....	.....	.....	.....	.....	.....	.....	2.06	−1.99	0.70	0	7	.....	.....	.....	.....	Prof. W. W. Thomson
Pickens	Randolph	2,697	27	60.6	−6.0	98	4†	31	12	46	2.80	−2.66	1.08	0	9	15	7	9	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	7	.....	.....	.....	.....	.....	.....	.....	2.14	.....	1.26	0	11	22	5	4	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	43	.....	.....	.....	.....	.....	.....	.....	2.82	−1.05	1.29	0	11	.....	.....	.....	.....	Walter H. Bolyard
Saint Marys	Pleasants	577	21	.....	.....	.....	.....	.....	.....	.....	2.04	−2.72	0.88	0	11	.....	.....	.....	.....	Wm. Hughes
Terra Alta	Preston	2,559	29	64.1	−3.8	93	4	33	12	46	2.86	−2.13	1.05	0	8	8	9	14	nw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	1	.....	.....	.....	.....	.....	.....	.....	1.87	.....	1.20	0	8	.....	.....	.....	.....	H. L. Stiles
Valley Chapel	Lewis	1,011	7	72.3	.....	103	4	40	12	48	1.92	.....	1.00	0	6	21	9	1	w.	J. C. Campbell
Vandalia	Lewis	1,120	7	.....	.....	.....	.....	.....	.....	.....	2.19	.....	1.14	0	7	.....	.....	.....	.....	James B. Kelley
Wellsburg	Brooke	668	23	69.1	−1.3	104	4	38	13	51	1.86	−2.01	0.75	0	8	18	7	6	.....	George P. Pfister
West Milford††	Harrison	979	5	.....	.....	.....	.....	.....	.....	.....	1.32	.....	1.14	0	3	.....	.....	.....	.....	Miss Dicie E. Wagner
Weston	Lewis	1,026	35	73.6	+0.6	104	4	42	12	46	2.12	−1.81	0.78	0	10	11	16	4	.....	Weston State Hospital
Wheeling	Ohio	645	43	^{a}69.8	−3.6	104^{a}	4†	38	12	53^{a}	0.88	−2.80	0.53	0	9	8	17	6	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	3	.....	.....	.....	.....	.....	.....	.....	1.97	.....	0.89	0	11	10	13	8	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	4	.....	.....	.....	.....	.....	.....	.....	1.95	.....	1.35	0	10	14	11	6	n.	H. S. Sutton
Bancroft	Putnam	574	26	72.0	−1.6	103	4	46	12†	44	3.88	−0.54	1.25	0	10	23	0	8	ne.	R. E. Dent
Bluefield^{c}	Mercer	2,558	35	68.8	−2.1	92	4	46	12	39	3.24	−1.18	1.22	0	9	15	8	3	.....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	15	.....	.....	.....	.....	.....	.....	.....	3.04	−1.75	1.40	0	3	.....	.....	.....	.....	Miss Katie Jarvis
Charleston	Kanawha	600	27	74.6	−0.8	106	4	48	12†	44	3.71	−0.81	0.94	0	10	16	0	15	.....	R. O. Fields
Clay	Clay	706	14	.....	.....	.....	.....	.....	.....	.....	2.71	−2.71	0.90	0	9	.....	.....	.....	.....	Chilton Wilson
Dam 6 G. K	Kanawha	598	4	.....	.....	.....	.....	.....	.....	.....	4.31	.....	1.43	0	10	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	14	.....	.....	.....	.....	.....	.....	.....	2.31	−1.78	0.90	0	9	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	14	.....	.....	.....	.....	.....	.....	.....	2.44	−2.17	0.60	0	11	.....	.....	.....	.....	Lockmaster
Dam 25 O. R	Mason	565	3	.....	.....	.....	.....	.....	.....	.....	2.70	.....	0.67	0	10	.....	.....	.....	.....	Lockmaster
Dam 26 O. R	Mason	564	14	.....	.....	.....	.....	.....	.....	.....	3.47	.....	0.91	0	9	.....	.....	.....	.....	U. S. Engineers Office
Gary	McDowell	1,426	14	70.2	−1.6	97	4	45	13	40	5.07	+0.40	1.23	0	13	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	33	71.2	−0.4	102	4†	45	13	50	1.66	−2.20	0.75	0	8	21	2	8	.....	Mrs. M. L. McClung
Huntington	Cabell	538	33	77.0	+2.2	107	4	48	12†	48	3.03	−0.51	0.88	0	10	11	11	9	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	11	.....	.....	.....	.....	.....	.....	.....	1.81	−3.10	0.70	0	6	.....	.....	.....	.....	J. O. Brown
Kayford	Kanawha	1,335	14	.....	.....	.....	.....	.....	.....	.....	4.12	−1.31	1.95	0	7	.....	.....	.....	.....	Cabin Creek. Con Coal Co
Kermit	Mingo	579	4	.....	.....	.....	.....	.....	.....	.....	2.20	.....	0.70	0	6	.....	.....	.....	.....	E. B. Kirk
Lewisburg	Greenbrier	2,250	30	68.6	−1.3	97	4	40	12	45	1.09	−2.91	0.72	0	3	14	10	7	nw.	Geo. T. Argabrite
Logan	Logan	700	27	.....	.....	.....	.....	.....	.....	.....	3.01	−0.64	1.46	0	11	.....	.....	.....	.....	J. R. Wampler
Marlinton	Pocahontas	2,131	31	63.5	−3.3	92	4	34	12†	46	2.67	−2.30	1.26	0	8	10	18	3	sw.	S. L. Brown
Point Pleasant	Mason	595	37	73.8	−0.8	106	4	44	12†	49	2.33	−0.93	0.79	0	9	14	11	6	w.	Miss Grace E. Henson
Ravenswood (Dam 22)	Jackson	584	7	74.1	.....	102	4	40	12	44	2.83	.....	0.58	0	10	17	0	14	se.	Lockmaster
Richwood	Nicholas	2,193	0	.....	.....	.....	.....	.....	.....	.....	2.39	.....	1.09	0	11	9	0	22	.....	Cherry River Paper Co.
Robertsburg	Putnam	570	30	72.4	−2.4	103	4	43	12†	51	2.11	−1.14	0.52	0	9	16	0	15	.....	M. Frazier
Ryan	Roane	700	27	70.8	−2.3	102	4	38	12	55	2.69	−1.17	0.99	0	9	19	8	4	.....	Wm E. Ryan
Sharples	Logan	.....	10	.....	.....	.....	.....	.....	.....	.....	3.63	−1.06	1.40	0	8	.....	.....	.....	.....	R. W. Howard
Spencer	Roane	789	26	73.2	+0.5	104	4	45	12	46	3.93	+0.37	0.84	0	9	9	20	2	.....	A. M. McKown
Sutton	Braxton	850	24	72.2	−0.5	104	4†	41	12	50	4.00	+0.26	1.15	0	9	22	0	9	.....	C. B. Eakle
Union^{c}	Monroe	2,250	26	70.8	+0.2	100	4†	41	12	48	1.93	−1.91	0.62	0	8	8	12	6	.....	W. M. H. Young
Wayne	Wayne	598	3	.....	.....	.....	.....	.....	.....	.....	3.61	.....	1.38	0	10	.....	.....	.....	.....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	20	68.9	−1.6	99^{a}	3	38	11	45^{a}	1.20	−2.46	0.90	0	4	27	1	3	.....	A. P. Spence
Williamson††	Mingo	673	30	^{a}77.6	+2.7	104^{a}	4	48	12	44^{a}	4.24	+0.70	1.79	0	13	19	0	12	se.	Mrs. T W Lowe
State averages and	extremes	.....	.....	70.7	−1.1	112	4	30	12	58	2.20	−1.90	1.95	0	8	15	8	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for August, 1930

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac						.13		T.		.07				1.02	.11		.11						.04	.05	.16	.03	.14		.03			1.89
Brandywine	do	.05					T.		.15						.69				.05					.25			.10						1.50
Harpers Ferry ‖	do															.11	.11		.23									.40					0.88
Kearneysville	do														.09	.35		.38									.16		.05				1.01
Martinsburg ‖	do															.15	.22	.35	.30									.05		.01			1.08
Moorefield	do						.05								.50									.30		.03							0.88
Piedmont	do						.05								.88	.03		.55	.02					.32		.15							2.00
Romney‖	do														.10	.53			.25					.34		.20		.12					1.54
Stony River Dam	do														.46	.73			.63						.08	.10							1.40
Upper Tract	do						T.								.40									.30	T.								0.70
Wardensville‖	do		.01													.22			.10					.43						T.			0.76
Northern Division																																	
Aberdeen	Monongahela						.04	T.							1.00	.07		.16						.07		.07		.05		T.			1.46
Alma (near)	Ohio						.25								.70			.17				.22		.08	.18	.34	.67			.01			2.62
Alpena	Monongahela					T.	T.								.98	.23		T.						.06		.73	T.						2.00
Benson	do						.05	.03							1.12	.10		.03				.05		.20	.06			.02					1.66
Bens Run	do						.27								.86	.06		.18				.56		.09	.10					.02			2.14
Brownsville	do					T.	.06	.32	T.	T.					.94	.15		.28				.09		.04	.03	.10	T.	.05		T.	T.		2.06
Bruceton Mills	do																																
Buckhannon	do					T.	T.	T.							1.12			T.				T.		.12	.13		.18			T.			1.55
Cairo	Little Kanawha							.18	.30						.95							.28			.25								1.96
Clarksburg‖	do						.03	.27							.65	.47								.03	.02	.01			T.				1.48
Cortland ‖	do																																
Crawford ‖	Little Kanawha					.08	.13	.16							.95	.07			.07				.14	.26	.06	.05	.16						2.13
Creston ‖	Monongahela						.12	.42	.02						.49	.51			.14			.20	.56	.03	.04	.22							2.75
Dam 10, Mon. R.‖	Ohio						.04	.08			.04				.64	.46		.32	.24					.06	.04								1.92
Dam 12, O. R.‖	do							.07		.01					.51			T.							.17		.21						0.97
Dam 13, O. R.‖	Monongahela						.08	.04		.05					.67	.04		.04						.02	.15	.02	.32						1.43
Dam 15, Mon. R ‖	do						.02	.11			.02				.38	.56		.11	.34					.03	.06			.11					1.74
Davis ‖	do						.03	.18							.40	.83	T.		.08					.10	.21	.17		.01			.02		2.03
Elizabeth (D'm 3 LK)	Little Kanawha						.25	.21							.33	.57						.56	.36			.31							2.59
Elkins***	Monongahela					.01	.04	T.							.81	.12		.03					T.	.05	.01		.20			.01	T.		1.28
Fairmont ‖	do						.05	.07		.04	.02				.59	.46		.37	.22					.07	.03						T.		1.92
Glenville ‖	Little Kanawha						.52	.14	.08						.62	.68			.02			.08	.12	T.	.10	.26					.10		2.72
Grafton ‖	Monongahela																																
Horner	do					.23		.15							1.20			.12				.05		.05	.34								2.14
Horton	do						T.								.92	.09			.10					.10	.05		1.26	.04					2.56
Janelew (near)	do							.05							1.05			.15								.15		.35					1.75
Lost Creek	do						.08	T.	T.						.99	T.		T.				.04		T.	T.	.12	.11		T.				1.34
Mannington	do						.18		.01		T.				.91			.47				.01		.27		.01				T.			1.86
Morgantown	do						.15		T.		T.				1.00			.50						.23						T.			1.88
New Cumberland‖	Ohio					.01	T.		.16	.11					.18				.09			.12	.08	.14	.07		.84			.04	.03		1.87
New Martinsville	do						.20				.08				.12			.05				.35		.15									0.95
Parkersburg* **	do					.01	.15	.01	.09		T.				.78			T.				.47	T.	.01	.02					.01		.08	1.63
Parsons	Monongahela						T.								1.07	.11		.26					T.				.07						1.51
Parsons No. 2	do						.15								1.03	.24		.25						.02	.13		.01						1.83
Philippi	do						.05	.25							.70	.58								.05	.08			.35					2.06
Pickens	do						.10	.05							1.08	.42		.03	.36				.53		.05	.18							2.80
Roanoke	do					.21	.05	.27	.01						1.13	.13			.13			.05			.04	.11		.01					2.14
Rowlesburg‖	do							.13			.11				.08	1.29		.02	.28					.12	.25	.16	.35	.03					2.82
Saint Marys‖	Ohio						.04	.17		.01					.34	.51		.04	.01			.44	.12	T.	.01	.32							2.04
Terra Alta	Monongahela						.05		T.		T.				1.05	.20		.70				T.	T.	.18	.36	.17	.15	T.		T.			2.86
Thomas ‖	do						T.	.22	.04						.55	.65								.11	.18	.09			.03				1.87
Valley Chapel	do						.02	.08							1.00			.04								.06		.72					1.92
Vandalia	do					.17	.05	.31							1.14									.07		.07	.38						2.19
Wellsburg	Ohio						.13		.20						.23			.11			.75	.03		.30	T.	.11				T.	T.	T.	1.86
West Milford	Monongahela						.13								1.14			.05															1.32
Weston	do							.04	.08						.43	.78			.45			.02	.03	.01		.03		.22					2.12
Wheeling‖	Ohio					T.	.03	.02							.48	.05			.01				.02	.02	.20	T.	.05				T.		0.88
Woodlands‖	do						.11	.08		.48					.89	.12		.01				.08		.08	.03	.08	.01						1.97
Southern Division																																	
Arbovale	Great Kanawha	.06					.15	.01							1.35			.01	.19		.01		.01	.15				.01					1.95
Bancroft ‖	do						.02	.05	1.17	.07					.45	.40			.25			.15	1.25		.07								3.88
Bluefield	do							.49	.20	.01		.36			.69				.18			.08	1.22				.01						3.24
Camden-on-Gauley‖	do							.44							1.20			1.40															3.04
Charleston ‖	do						.04		.58	.02	.01				.18	.42			.70			.64	.94		.18								3.71
Clay‖	do						.22	.38	.07	.04					.28	.66			.90			.01	.15										2.71
Dam 6 G. K ‖	do						.04		.72	.05	.01				.19	.42			1.43			.63	.66		.16								4.31
Dam 19 O. R. ‖	Ohio						.14	.08	.06	.20					.34	.41		T.				T.	.90	T.	.12	.06				T.	T.		2.31
Dam 20 O. R. ‖	do						.16	.28	.20	.25					.24	.45		.04	.01				.60		.18	.03							2.44
Dam 25 O. R. ‖	do						.19	.67	.04	.07					.36	.36			.13				.46	.03	.49								2.80
Dam 26 O. R. ‖	do							.01	.64	.13					.42	.58			.62				.91	.02	.14								3.47
Gary ‖	Big Sandy							.50	.50	.45	.22	.41				.71				.08		.02	1.23	.44	.03				.92		.01		5.07
Hinton‖	do						T.	T.	.20		.12				T.	.75			T.	T.		.09	.38	.06				.01	.05				1.66
Huntington ‖	Ohio					.01	.01	T.	.21		.07				.88	.04			.45			.35	.75	.26								T.	3.03
Kanawha Falls‖	Great Kanawha						.10		.36		.05				.15	.70							.45										1.81
Kayford‖	do								1.95	.01	.08					.65			T.			T.	.86	.18	.39								4.12
Kermit‖	Big Sandy								.08	.04				.32	.38								1.03	.35									2.20
Lewisburg	Great Kanawha						.33	.04			T.				.72												T.	T.					1.09
Logan‖	Guyandotte						.10	.15	.06		.06				.22	.36			.10			.18	1.46	.04	.28								3.01
Marlinton	Great Kanawha					.52	.43								1.14	.12			.22				.12	.06		T.		.06					2.67
Point Pleasant‖	Ohio							.34	.09						.36	.43		.02	.20				.48	.03	.38	T.							2.33
Ravenswood (Dam 22	do						.05	.54	.20	.15					.20	.58			.11			.52	.19		.29								2.83
Richwood	Great Kanawha					.01	.44	.36							1.09		.06	.13		.02		.01		.23	.03		.01						2.39
Robertsburg‖	do						.04		.09	.17					.52	.44			.29				.42	.02	.12								2.11
Ryan	do					.02	.12		.11						.89	.04			.99			.40	.06	.06									2.69
Sharples‖	Coal River								.50	T.	.40				.20	.42			.46			.20	1.40	.05									3.63
Spencer ‖	Great Kanawha						.43	.84		.30				.57		.58		.35				.15	.31	.40									3.93
Sutton	Gauley					.10	.90		.10						.95				1.15			.10	.25	.20		.25							4.00
Union	do					T.	T.	.20	.62						.61	.03			.14				.06				.12		.15				1.93
Wayne ‖	Big Sandy						.09	.12	.18		.53				.50	.88	*					.03	.71	.02	.55								3.61
White Sulpr. Spgs.‖	Great Kanawha						.05	.10							.90								.15										1.20
Williamson‖	Big Sandy						.01	T.	.45	.01	.07	.20			.25	.65			.03	.01		.50	1.79	.02	.25								4.24

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace. or less than 0.01 inch. ‡‡‡ Probably incomplete

Daily Temperatures for August, 1930

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	85	88	92	95	92	79	89	91	93	85	73	74	79	73	77	77	70	75	75	77	68	63	64	71	81	78	78	80	78	84	87	79.7
	Minimum	41	42	43	46	62	60	56	58	62	57	36	30	32	41	59	47	51	53	36	40	43	45	50	49	40	44	48	42	53	55	53	47.5
Brandywine	Maximum	87	95	99	100	96	91	93	90	89	85	80	85	86	81	85	84	85	84	80	81	78	70	69	75	82	70	75	80	78	85	87	84.0
	Minimum	51	49	54	64	67	65	59	60	62	56	44	42	38	50	55	57	52	53	45	42	50	51	52	48	52	48	50	52	54	57	58	52.8
Kearneysville	Maximum	90	98	103	107	104	93	98	100	100	90	82	80	87	82	86	86	75	83	82	86	80	74	74	87	87	88	85	90	93	92	98	89.0
	Minimum	61	60	62	72	80	71	63	68	75	78	51	46	46	60	63	62	63	63	54	57	59	57	59	55	52	57	61	56	58	64	63	61.2
Martinsburg§	Maximum	89	100	102	108	105	89	100	102	102	91	84	84	86	67	86	87	73	84	83	85	78	72	75	82	88	88	86	90	95	93	..	88.5
	Minimum	65	60	60	66	77	74	65	68	73	68	53	48	48	56	60	61	63	63	55	54	60	58	59	55	52	55	60	58	63	65	65	60.9
Moorfield	Maximum	94	101	110	112	107	100	103	103	105	101	88	87	95	87	92	88	87	87	88	91	85	74	81	83	91	91	87	92	78	78	77	91.7
	Minimum	56	56	52	60	70	68	63	65	68	65	44	39	40	61	64	56	57	63	46	50	54	54	60	52	50	53	58	54	59	61	62	56.8
Piedmont	Maximum	91	95	101	102	100	90	95	98	99	84	77	80	85	80	84	83	70	84	81	84	78	70	71	75	85	85	83	86	87	87	86	85.7
	Minimum	53	55	53	57	71	67	62	65	67	64	46	41	42	56	56	56	60	59	49	50	54	55	54	54	51	55	55	55	61	59	59	56.2
Romney§	Maximum	93	100	106	106	105	86	100	101	104	89	83	84	91	67	87	87	68	84	82	87	74	74	79	89	76	90	83	90	90	..	..	88.1
	Minimum	53	56	54	61	72	65	62	65	69	67	46	40	41	54	58	55	59	60	47	48	55	54	55	55	50	54	58	55	62	60	..	56 3
Upper Tract	Maximum	88	96	103	102	99	91	98	99	100	94	90	78	89	80	82	84	85	86	87	82	..	75	..	75	75	82	83	86	80	89	90	87.9
	Minimum	49	54	57	49	67	66	62	57	62	64	61	37	39	58	54	55	56	48	43	48	..	45	..	52	48	46	46	48	49	56	57	52.9
Wardensville	Maximum	91	100	104	105	103	94	100	100	102	87	92	85	88	74	87	85	87	86	83	87	82	73	76	79	88	87	85	93	92	93	..	89 6
	Minimum	51	53	55	61	70	66	58	63	66	63	44	39	39	59	62	53	53	61	44	47	51	54	55	50	48	49	49	55	55	58	59	54.5
Northern Division																																	
Alpena	Maximum	81	86	92	92	90	78	87	88	90	76	71	73	84	70	75	78	80	75	75	76	65	62	61	68	79	76	74	79	75	83	85	78.2
	Minimum	44	49	43	48	61	60	53	59	62	57	35	50	32	53	57	51	50	56	36	41	45	52	48	49	43	44	43	41	51	53	55	48.4
Bens Run	Maximum	95	99	101	104	100	90	95	95	102	87	80	86	87	84	85	87	80	83	85	87	71	74	71	82	83	86	87	90	81	90	80	87.3
	Minimum	58	56	57	64	76	69	69	72	69	71	51	47	47	60	63	60	66	60	54	54	69	60	57	56	55	56	[illegible]	57	63	67	63	60.4
Buckhannon	Maximum	84	87	90	94	90	80	87	87	91	79	74	79	78	67	74	80	80	75	75	78	75	77	65	74	79	79	77	82	76	82	84	80.0
	Minimum	56	55	56	60	73	69	62	68	66	67	47	41	44	58	60	58	62	63	49	52	60	62	55	61	52	54	53	57	62	63	63	58.3
Cairo	Maximum	92	98	98	103	100	87	93	93	97	89	82	83	91	74	83	87	87	83	82	87	67	69	74	80	87	87	88	91	81	94	86	86.9
	Minimum	66	47	48	56	71	68	65	68	64	45	59	39	41	54	57	64	63	58	46	45	56	55	54	51	52	51	50	49	58	60	61	55.5
Clarksburg§	Maximum	93	96	101	101	97	84	94	96	99	84	79	84	91	66	83	85	77	80	81	87	75	70	65	80	85	83	85	89	82	91	85	85.5
	Minimum	54	50	51	58	74	70	65	68	66	68	45	40	43	53	60	55	60	61	48	50	56	55	55	52	50	51	54	50	53	62	59	56.0
Creston	Maximum	94	97	100	105	102	88	94	94	99	97	84	83	90	86	85	87	86	83	86	88	86	80	74	80	86	85	87	90	88	92	91	89.3
	Minimum	47	47	49	55	70	68	67	69	66	65	45	49	40	57	63	57	67	60	46	46	57	55	55	55	52	57	51	56	58	61	60	56.3
Elkins	Maximum	85	87	92	94	90	79	88	89	91	77	72	74	84	66	77	80	81	74	75	78	68	66	62	72	80	78	76	82	76	85	89	79.6
	Minimum	52	52	49	51	58	65	62	65	64	55	43	37	39	58	59	59	56	52	45	48	53	62	52	53	50	50	48	48	57	59	59	53.5
Fairmont§	Maximum	94	100	102	107	103	88	94	95	103	89	82	84	93	67	86	84	75	84	82	87	74	72	70	81	90	87	81	91	81	90	82	87.1
	Minimum	55	56	55	61	75	72	66	68	68	68	49	44	46	59	60	57	64	58	50	52	59	57	56	53	53	54	57	55	62	60	61	58.4
Glenville	Maximum	95	98	99	105	104	88	93	92	100	99	87	86	93	92	92	89	88	86	89	85	87	74	74	81	87	80	85	92	90	89	92	90.1
	Minimum	48	45	47	55	70	66	64	65	65	64	44	37	39	48	51	56	57	58	50	47	53	51	52	50	52	52	48	45	46	49	51	52.5
Lost Creek	Maximum	94	99	100	103	99	88	93	95	101	88	84	85	93	87	83	88	82	80	84	89	78	72	68	86	86	88	84	82	84	95	90	87.8
	Minimum	50	50	49	57	74	67	64	68	66	67	42	38	40	57	60	58	62	60	45	49	58	55	54	51	49	50	51	61	59	69	58	55.8
Mannington	Maximum	87	90	94	98	95	88	88	90	94	87	78	78	85	79	80	80	75	77	77	81	74	71	66	75	82	82	79	84	78	85	80	82.5
	Minimum	50	49	49	56	70	67	63	63	64	64	44	39	41	51	59	53	60	55	47	46	56	55	55	52	49	50	54	50	59	57	56	54.2
Morgantown	Maximum	91	95	98	102	98	85	91	90	96	84	75	76	88	76	81	79	72	76	76	81	74	74	64	75	84	80	83	88	78	86	82	83.2
	Minimum	58	59	60	66	75	67	65	69	70	65	48	44	49	58	60	54	62	56	49	50	61	44	54	52	51	53	56	56	51	60	60	57.6
New Cumberland§	Maximum	91	97	98	101	94	92	92	84	98	79	73	77	87	72	85	84	71	80	80	82	69	78	70	79	85	83	85	90	81	80	..	83.9
	Minimum	52	52	60	61	70	66	60	62	64	71	51	43	43	50	57	52	60	53	49	55	61	56	56	58	54	53	54	53	57	59	60	56.5
New Martinsville	Maximum	95	100	101	104	101	89	94	96	102	93	79	85	95	87	85	87	85	86	86	87	87	76	72	68	84	89	85	90	80	78	90	88.4
	Minimum	57	51	54	60	74	71	67	67	66	66	48	43	46	68	62	65	57	60	50	44	59	59	57	54	53	55	53	54	62	60	61	58.2
Parkersburg	Maximum	91	96	99	102	97	87	92	91	98	83	77	80	89	77	85	88	83	80	80	83	71	74	68	80	85	83	87	90	80	91	81	85.4
	Minimum	64	57	59	68	74	72	70	72	71	66	54	49	52	63	62	62	68	63	59	59	61	60	58	57	56	57	57	56	69	65	70	62.3
Parsons	Maximum	89	94	97	102	94	89	90	97	97	80	75	81	91	66	83	84	85	82	83	87	72	69	66	76	86	85	85	87	88	89	89	85.1
	Minimum	55	55	49	53	52	53	53	53	56	54	54	36	38	55	55	55	60	55	50	50	56	51	52	49	49	45	50	50	58	58	59	52.1
Pickens	Maximum	80	88	94	98	98	89	94	92	98	90	70	70	80	60	72	75	68	68	60	66	59	56	57	55	51	52	54	63	62	72	63	72.7
	Minimum	50	48	50	52	60	58	54	58	56	57	35	31	37	54	54	48	51	52	39	51	44	44	43	43	44	41	42	44	51	54	55	48.4
Terra Alta	Maximum	81	85	90	93	91	87	85	86	90	86	71	72	81	79	76	74	70	72	73	75	70	62	60	69	78	75	74	79	73	80	82	78.0
	Minimum	53	48	45	52	68	61	56	60	62	59	39	33	35	47	57	47	54	55	40	43	53	49	50	49	43	44	43	45	57	55	54	50.2
Wellsburg	Maximum	91	98	100	104	98	90	94	87	98	84	77	81	86	72	87	83	74	82	80	83	78	76	71	79	84	84	86	90	83	77	77	85.0
	Minimum	47	47	51	55	67	63	58	59	63	64	45	39	38	51	58	48	58	49	44	53	54	60	55	54	50	49	48	50	57	56	59	53.2
Weston	Maximum	95	98	101	104	100	95	93	95	100	95	82	85	90	88	85	88	89	86	88	95	89	73	72	75	81	86	82	82	82	89	92	88.9
	Minimum	55	54	53	60	75	69	64	68	67	70	48	42	44	58	66	59	65	62	60	50	60	55	54	56	50	54	56	55	56	59	60	58.2
Wheeling§	Maximum	95	102	102	104	104	90	104	90	104	88	81	87	83	69	86	70	74	86	85	87	82	84	72	82	89	90	90	89	84	78	..	87.7
	Minimum	50	49	51	57	65	65	60	60	60	65	45	38	40	42	50	50	50	54	45	48	51	44	52	49	48	49	49	59	50	57	58	51.9
Southern Division																																	
Bluefield	Maximum	84	85	..	92	91	89	88	91	91	..	91	77	82	80	78	83	..	83	75	78	74	61	65	..	79	76	78	81	85	83	..	81.5
	Minimum	55	59	..	58	66	68	65	66	66	..	52	46	49	59	61	52	..	63	48	52	58	53	48	..	49	51	50	51	57	58	..	56.2
Charleston§	Maximum	96	98	102	106	94	94	100	91	103	94	84	86	92	70	92	96	94	88	86	90	66	76	86	84	92	90	90	90	86	94	96	90.6
	Minimum	56	56	58	64	64	70	70	68	68	70	56	48	48	50	56	60	62	64	52	52	54	60	54	54	54	58	56	56	56	62	64	58.7
Gary§	Maximum	87	92	93	97	95	93	91	94	95	85	77	80	85	68	82	86	87	76	81	82	65	69	72	75	82	81	81	84	88	90	92	84.0
	Minimum	55	52	54	57	61	66	68	68	67	66	57	49	45	48	62	56	56	67	53	53	54	59	52	49	51	51	53	52	52	55	58	56.3
Hinton§	Maximum	95	100	98	102	94	96	94	98	102	90	82	87	95	67	87	63	88	63	81	61	61	69	75	82	87	82	85	90	93	95	84	85.4
	Minimum	55	55	57	59	63	69	67	67	66	67	52	46	45	50	61	59	60	63	51	53	55	60	54	52	53	53	54	54	53	56	59	57.0
Huntington	Maximum	97	101	103	107	101	101	98	100	103	89	89	88	96	87	89	94	92	90	84	89	81	81	78	84	89	88	90	94	89	95	95	92.4
	Minimum	57	56	58	65	76	73	73	70	74	71	53	48	48	66	64	62	64	64	56	54	63	58	55	57	57	58	57	56	64	65	70	61.7
Lewisburg	Maximum	86	89	92	97	88	86	90	90	94	88	78	79	85	75	80	82	86	78	77	80	69	64	69	76	81	80	79	84	87	89	93	82.9
	Minimum	52	53	54	55	61	66	65	65	62	67	46	40	41	59	62	52	57	65	47	56	61	56	51	51	49	47	45	43	42	52	60	54.3
Marlinton	Maximum	82	86	90	92	86	80	84	84	90	80	74	76	78	72	74	78	80	76	72	74	68	62	64	70	76	74	70	78	76	80	80	77.6
	Minimum	44	50	44	58	56	64	60	60	58	58	38	34	31	48	56	50	52	58	42	42	50	50	50	44	44	46	48	44	48	48	52	49.4
Point Pleasant	Maximum	95	98	102	106	102	91	93	94	100	96	86	89	93	80	83	91	86	83	82	86	83	76	76	83	88	86	88	93	86	95	91	89.7
	Minimum	55	53	56	63	73	69	69	68	68	70	49	44	44	60	58	58	58	53	53	51	59	57	53	54	54	54	54	51	59	64	66	58.0
Ravenswood	Maximum	94	96	98	102	100	89	96	92	96	97	85	82	90	89	85	89	88	82	81	84	83	74	73	81	86	85	86	91	89	93	93	88.7
	Minimum	52	52	58	65	78	70	71	68	69	72	49	40	46	64	63	61	67	61	55	51	60	58	53	57	54	53	54	51	62	63	67	59.5
Robertsburg§	Maximum	90	94	102	103	95	92	90	95	102	85	72	85	94	71	87	92	91	80	73	82	64	75	74	79	86	87	89	91	85	95	94	86.9
	Minimum	50	52	52	63	73	74	68	68	68	71	49	43	43	53	62	60	59	61	51	51	59	59	52	57	51	56	54	52	56	64	68	58.0
Ryan	Maximum	95	95	98	102	98	88	95	95	98	85	80	80	95	67	84	90	85	83	80	85	65	75	75	75	78	85	85	90	80	95	90	86.2
	Minimum	45	48	59	57	67	65	63	65	64	64	44	38	40	61	63	55	59	60	48	48	60	55	60	50	50	51	51	48	57	61	65	55.5
Spencer§	Maximum	92	95	100	104	99	95	91	92	96	82	88	89	89	67	82	86	84	80	80	78	78	75	80	81	87	84	84	87	89	90	87	86.8
	Minimum	57	52	54	62	74	70	70	70	68	70	50	45	65	64	64	59	63	60	52	52	56	57	60	52	58	51	54	52	55	65	65	59.5
Sutton	Maximum	92	94	100	104	104	86	86	94	98	98	88	82	92	92	80	87	87	87	80	85	85	69	68	80	86	86	85	88	88	92	92	88.2
	Minimum	52	51	51	55	68	67	66	65	61	64	46	41	42	58	63	58	57	64	50	52	53	56	54	56	54	54	52	51	59	62	60	56.2
Union	Maximum	90	94	..	100	100	91	93	91	99	..	96	85	86	86	86	90	..	89	81	83	80	67	68	..	86	86	83	86	90	92	..	87.6
	Minimum	52	54	..	55	64	66	64	64	64	..	48	41	44	58	61	52	..	60	47	53	59	56	50	..	50	47	46	45	51	52	..	54.0
White Sulphur Spgs§	Maximum	92	96	99	91	89	95	93	97	88	83	79	85	70	85	86	88	80	80	81	75	66	67	76	81	84	83	84	87	90	92	..	84.7
	Minimum	54	53	54	58	64	64	65	61	64	45	38	44	51	52	52	55	64	48	48	55	56	50	49	48	46	47	47	49	49	50	66	53.1
Williamson§	Maximum	93	100	100	104	99	99	100	100	102	95	75	85	94	70	87	92	95	83	85	85	75	72	75	84	89	87	89	92	94	95	..	89.8
	Minimum	63	65	80	80	80	75	75	79	75	75	66	48	50	58	65	64	66	70	57	58	56	59	57	57	60	60	62	62	65	67	75	65.5

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.245	.233	.288	.223	.378	.285	.070	.199	.244	.458	.321	.317	.248	.232	.045	.190	.148	.110	.224	.168	.146	.111	.130	.028	.185	.180	.150	.115	.189	.060	.167	6.087
	Wind movement	49	28	30	35	64	50	16	30	42	51	74	71	43	31	13	37	32	42	55	38	34	61	52	20	40	29	35	11	29	20	17	1,179

(WBO, Cleveland, 9-26-30—900)

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

UNWF

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXVIII PARKERSBURG, W. VA., SEPTEMBER, 1930 No. 9

GENERAL SUMMARY

September averaged dry and warm. It was the driest September since 1908 and also the driest month of the year to date. While the driest, the departures from the averages were greater for six months, as the following averages and departures from the normals, in inches, for 1930 indicate: January, 1.86, departure —1.96; February, 2.62, departure —0.47; March, 3.21, departure — 0.73; April, 1.95, departure —1.57; May, 2.17, departure —1.74; June, 2.87, departure —1.60; July, 1.90, departure —2.59; August, 2.20, departure —1.95; September, 1.46, departure —1.57. While warm, the average temperature for September was higher for five years of State record. The average number of clear days was 15, or normal. The month closed cool, with light to heavy frosts. Rivers and streams continued low during the month and the water supply for domestic and manufacturing purposes was exceptionally low. While the drought continued unabated, the season was too far advanced to cause much further damage to crops.

TEMPERATURE

The monthly mean for the State, determined from 47 stations, was 69.3°. The departure from the normal for 37 stations having ten or more years of record was +3.5°. The month opened warm and the temperature was also considerably above the normal from the 11th to the 16th and the 21st to the 26th. The temperature was near the normal from the 3d to the 11th and from the 17th to the 20th. The last four days were cool, with light to heavy frost on the 29th and 30th.

PRECIPITATION

The average precipitation for the State, determined from 85 stations, was 1.46 inches. The departure from the normal for 57 stations having ten or more years of record was —1.57 inches. Nearly the entire precipitation fell on the 3d, 7-8th, 16th, 24th, 25th, and 26th, the greatest amounts being noted on the 8th, 16th and 25th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 14th. 15th, 20th, 25th, and 26th; Bancroft, 2d, 4th, 8th, 14th, 18th, 20th, 21st, 28th, and 29th; Charleston, 29th and 30th; Clay, 9th, 10th, 25th, 26th, and 30th; Elkins, 4th, 9th, 10th, and 15th; Hinton, 14th, 20th, and 26th; Marlinton, 1st, 2d, 4th, 6th, 11th, 14th, 15th, 16th, 19th, 20th, 22d, 23d, 24th, 26th, and 28th; Pt. Pleasant, 29th, Terra Alta, 3d, 9th, 10th, and 11th; Thomas, 10th; Wheeling, 24th and 30th.

Halo, lunar: Ryan, 11th.

MISCELLANEOUS PHENOMENA (Continued)

Halos, solar: Rainelle, 18th; Ryan, 10th, 18th, and 20th; Terra Alta, 18th.

Thunderstorms (dates and number of stations reporting): 2d, 1; 3d, 5; 5th, 1; 9th, 1; 13th, 4; 15th, 1; 16th, 3; 24th, 3; 25th, 2; 26th, 7; 27th, 3; 30th, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity: Miles per hour	Max. velocity: Direction	Max. velocity: Date
Cincinnati, Ohio	30.02	80	51	60	256.5	69	3,551	4.9	27	sw.	2
Columbus, Ohio	30.01	76	53	58	247.6	66	5,752	8.0	37	w.	26
Elkins	30.05	86	50	67	225.8	61	2,308	3.2	20	w.	27
Lexington, Ky	30.04	76	57	...	170.8	46	6,961	9.7	50	nw.	14
Parkersburg	30.04	76	43	57	201.9	54	2,885	4.0	24	nw.	26
Pittsburgh, Pa	30.01	75	46	52	239.9	64	5,239	7.3	28	w.	26
Wytheville, Va	30.03	84	56	73	169.0	45	2,854	4.0	22	nw.	14

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	66.8	......	......	1.66	......	......	......	......	......	......	......
1892	64.4	92	32	2.57	......	......	......	6	......	......	......
1893	65.0	91	29	2.28	4.50	1.05	......	6	......	......	......
1894	67.8	98	31	2.50	4.75	1.25	......	6	12	11	7
1895	70.3	**107**	29	1.70	4.25	0.42	......	4	17	8	5
1896	65.2	95	**22**	4.59	9.04	1.58	......	7	14	9	7
1897	66.4	103	27	1.14	4.00	**0.02**	......	3	22	6	2
1898	67.6	97	33	2.42	4.75	0.80	......	6	16	10	4
1899	64.0	100	26	3.65	6.35	1.65	......	8	14	9	7
1900	**71.1**	100	35	1.92	5.50	0.34	......	6	14	10	6
1901	64.8	95	27	3.35	7.64	1.46	......	8	13	8	9
1902	64.8	98	25	2.98	4.81	1.23	......	9	12	9	9
1903	64.7	97	25	1.30	2.78	0.10	......	4	21	6	3
1904	67.0	95	25	1.76	4.55	0.53	......	6	16	10	4
1905	65.6	97	29	2.21	4.21	0.54	......	4	18	8	4
1906	69.9	97	38	3.25	5.44	0.57	......	9	12	10	8
1907	66.3	93	30	4.41	7.10	2.00	......	11	12	10	8
1908	65.9	99	24	0.95	2.54	0.26	......	3	21	6	3
1909	63.7	95	28	2.74	8.75	0.63	......	6	15	9	6
1910	68.4	97	32	3.50	6.04	0.50	......	10	12	11	7
1911	68.8	100	32	4.67	8.30	1.80	......	11	12	11	7
1912	68.6	98	30	3.85	9.18	1.13	......	8	17	7	6
1913	64.2	100	25	2.88	6.38	0.86	......	8	14	7	9
1914	63.2	97	24	1.58	5.65	0.17	......	5	18	6	6
1915	67.6	100	31	3.84	7.18	2.00	......	9	16	8	6
1916	63.0	99	27	3.71	7.88	1.01	......	7	18	6	6
1917	62.4	98	28	2.79	6.62	1.16	T.	7	17	7	6
1918	**60.5**	93	24	2.92	4.73	1.37	T.	8	15	7	8
1919	66.0	98	31	2.11	4.37	0.12	......	5	18	7	5
1920	66.7	96	34	3.14	5.38	1.34	......	8	16	7	7
1921	70.9	97	39	4.76	9.07	1.65	......	12	12	10	8
1922	67.2	100	25	2.14	5.64	0.10	......	4	21	5	4
1923	66.5	96	29	3.31	5.36	1.00	......	7	16	8	6
1924	60.7	100	26	5.96	8.97	2.80	T.	12	11	7	12
1925	70.9	102	34	2.29	5.89	0.50	......	8	14	9	7
1926	68.6	98	31	5.35	**10.57**	1.44	......	13	10	8	12
1927	67.0	100	24	2.15	5.29	0.23	......	5	19	7	4
1928	61.3	100	24	2.71	6.45	0.81	T.	7	14	6	10
1929	66.5	102	24	2.95	6.25	0.57	......	8	15	7	8
1930	69.3	106	29	1.46	3.81	0.36	......	7	15	9	6
1891-1930	66.2	107	22	2.89	10.57	0.02	T.	7	15	8	7

Climatological Data for September, 1930

				Temperature, in degrees Fahr.							Precipitation, in inches				Number of days					
STATIONS	COUNTIES	Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	OBSERVERS
Panhandle Division																				
Bayard	Grant	2,375	29	64.2	+4.2	90	2†	32	29	44	2.21	-1.54	1.02	0	7	15	12	3	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	14	69.0	+5.0	94	24	34	30	43	1.55	-1.03	0.70	0	5	21	1	8	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	41	....	....	....	....	....	....	....	0.70	-2.09	0.28	0	6	....	....	....	....	J. C. Newcomer
Kearneysville	Jefferson	548	0	73.2	....	100	1	46	29	37	1.83	....	1.05	0	5	19	10	1	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	38	[a]73.2	+7.1	99[a]	2	48	29	37[a]	1.79	-1.08	1.30	0	6	25	5	0	e.	Dr. H. S. Gardner
Moorefield	Hardy	900	34	74.1	+7.4	106	2	39	29	45	0.54	-2.14	0.27	0	4	28	2	0	....	M. S. Henkel
Piedmont	Mineral	1,053	17	68.8	+3.7	94	1†	36	28	39	1.05	-1.31	0.62	0	7	12	11	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	32	[c]71.7	+5.6	100[c]	2	38[b]	29	43[c]	1.73	-1.03	0.91	0	5	21	4	5	....	George E. Bergdoll
Stony River Dam	Grant	3,300	10	....	....	....	....	....	....	....	0.92	-2.09	0.40	0	5	5	14	11	w.	A. C. Becker
Upper Tract[a]	Pendleton	1,230	31	70.0	+4.5	95	3	35	30	52	1.10	-1.29	0.40	0	3	....	....	....	....	J. M. Mallow
Wardensville	Hardy	1,200	13	[a]70.6	....	100[a]	1†	35	29	45[a]	1.64	....	0.95	0	6	17	10	3	w.	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	6	....	....	....	....	....	....	....	1.95	....	0.96	0	5	19	9	2	w.	L. Else Bond
Alma (near)	Tyler	....	3	....	....	....	....	....	....	....	1.12	....	0.28	0	9	15	13	2	....	D. N. Furbee
Alpena	Randolph	2,571	0	63.3	....	87	1†	29	29	39	1.11	....	0.35	0	7	13	16	1	w.	Christian Hertig
Benson	Harrison	1,080	6	68.3	....	94	24	33	29	44	1.31	....	0.52	0	6	11	15	4	....	John A. Clark
Bens Run	Pleasants	652	28	70.4	+2.7	95	2	40	29	37	2.36	0	0.50	0	12	22	6	2	....	J. D. Riggs
Brownsville	Lewis	1,032	7	69.6	....	97	1	33	29	46	1 67	....	0.66	0	9	23	2	5	....	George M. Meyers
Bruceton Mills††	Preston	1,549	13	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Mrs. Ola Wolf
Buckhannon	Upshur	1,411	33	67.1	+3.1	87	2†	38	30	32	1.72	-1.41	0.62	0	4	19	7	4	....	H. A. Darnall
Cairo	Ritchie	680	29	69.8	+1.9	97	23	33	29	57	0.74	-1.87	0.32	0	8	5	21	4	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	8	69.6	....	97	1	36	29	45	1.40	....	0.46	0	8	10	13	7	w.	Clarksburg Water Board
Cortland	Tucker	3,300	19	....	....	....	....	....	....	....	0.62	-2.86	0.30	0	3	19	9	2	....	G. W. Harmon
Crawford	Lewis	1,107	7	....	....	....	....	....	....	....	1.66	....	0.59	0	4	19	10	1	sw.	George W. Blair
Creston	Wirt	640	28	69.4	+2.2	96	2	35	29	43	1.03	-1.55	0.37	0	6	13	7	10	....	J. M. Reed
Dam 10 Mon. R.	Marion	826	9	....	....	....	....	....	....	....	1.53	....	0.51	0	10	....	....	....	....	Lockmaster
Dam 12 O. R.	Ohio	660	14	....	....	....	....	....	....	....	3.25	-0.49	0.84	0	10	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	14	....	....	....	....	....	....	....	2.52	-1.34	1.12	0	8	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	9	....	....	....	....	....	....	....	1.61	....	0.52	0	9	....	....	....	....	Lockmaster
Davis	Tucker	3,093	21	....	....	....	....	....	....	....	1.45	-2.44	0.32	0	11	....	....	....	....	Ross C. Male
Elizabeth (Dam 3 L. K)	Wirt	615	18	....	....	....	....	....	....	....	0.48	-2.21	0.38	0	2	....	....	....	....	Lockmaster
Elkins	Randolph	1,947	29	66.2	+3.2	90	1	35	29	37	1.44	-1.71	0.46	0	8	5	13	12	w.	U. S. Weather Bureau
Fairmont	Marion	883	24	71.5	+4.6	100	2	38	29	42	1.50	-1.39	0.57	0	7	12	14	4	w.	J. C. Robinson
Glenville	Gilmer	738	36	69.3	+1.6	98	2	34	29	51	0.92	-2.35	0.49	0	7	13	7	10	w.	Howard R. Brannon
Horner	Lewis	1,044	7	....	....	....	....	....	....	....	2.42	....	0.88	0	4	....	....	....	....	Foster R. Hardman
Horton	Randolph	2,840	5	....	....	....	....	....	....	....	0.81	....	0.30	0	7	8	7	15	w.	J. W. White
Janelew (near)	Lewis	1,020	7	70.8	....	97	2	35	29	44	1.15	....	0.60	0	2	15	2	13	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	32	70.4	+5.5	96	1†	35	29	48	1.39	-1.39	0.50	0	6	20	6	4	w.	Allen Smith
Mannington	Marion	985	27	67.2	+2.6	92	2	32	29	40	1.19	-1.98	0.43	0	12	11	15	4	w.	Jas. A. Morgan
Morgantown††	Monongalia	1,250	37	69.8	+2.6	93	2†	38	29	35	1.37	-1.80	0.59	0	3	13	8	9	s.	Prof. E. L. Andrews
New Cumberland	Hancock	671	32	[a]68.7	+3.8	93[a]	2	38	29	42[a]	1.57	-1.51	0.38	0	12	12	6	12	s.	C. H. Hesse
New Martinsville	Wetzel	634	36	[f]74 1	+7.7	96	2	44[f]	29	33[f]	1.39	-1.26	0.40	0	6	18	8	4	s.	Wm. Ankrom
Parkersburg	Wood	638	43	70.8	+3.5	95	2	43	29	33	1.01	-1.75	0.33	0	10	9	11	10	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	30	69.0	+6.1	98	1†	33	28†	46	1.27	-1.85	0.55	0	4	16	7	7	....	J. W. Swisher
Parsons No. 2	Tucker	....	4	....	....	....	....	....	....	....	1.58	-1.54	0.58	0	7	21	6	3	....	Robert T. Deem
Philippi	Barbour	1,550	33	....	....	....	....	....	....	....	1.77	-1.37	0.69	0	6	....	....	....	....	Prof. W. W. Thomson
Pickens	Randolph	2,697	27	57.1	....	82	23	30	29	32	1.94	-2.26	0.70	0	7	24	4	2	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	7	....	....	....	....	....	....	....	0.95	....	0.50	0	5	22	3	5	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	43	....	....	....	....	....	....	....	2.12	-0.95	0.55	0	6	....	....	....	....	Walter H. Bolyard
Saint Marys	Pleasants	577	21	....	....	....	....	....	....	....	1.98	-0 52	0.91	0	12	....	....	....	....	Wm. Hughes
Terra Alta	Preston	2,559	29	63.3	+1.0	87	24	34	29	45	1.97	-1.66	0.54	0	9	3	11	16	sw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	1	....	....	....	....	....	....	....	1.77	....	0.52	0	8	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	7	71.0	....	95	2†	36	29	45	1.23	....	0.48	0	4	20	7	3	w.	J. C. Campbell
Vandalia	Lewis	1,120	7	....	....	....	....	....	....	....	0.41	....	0.31	0	2	....	....	....	....	James B. Kelley
Wellsburg	Brooke	668	23	67.3	+3.1	95	2	31	29	43	2.18	-1.01	1.01	0	9	22	3	5	w.	George P. Pfister
West Milford	Harrison	979	5	....	....	....	....	....	....	....	2.00	....	0.90	0	7	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	35	71.0	+4.2	90	2	38	28	40	1.11	-1.78	0.55	0	4	4	26	0	....	Weston State Hospital
Wheeling	Ohio	615	43	[a]70.1	+3.7	100[a]	2	34	29	51[a]	3.81	+1.08	1.27	0	9	13	14	3	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	3	....	....	....	....	....	....	....	1.89	....	0.48	0	11	11	6	13	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	4	....	....	....	....	....	....	....	1.36	....	0.52	0	10	17	4	9	n.	H. S. Sutton
Bancroft	Putnam	574	26	70.0	+1.7	94	2	45	27†	42	2.46	-0.33	1.10	0	7	20	0	10	ne.	R. E. Dent
Bluefield [f]	Mercer	2,558	35	69.6	+3.9	91	2	44	30	34	1.11	-1.55	0.47	0	8	15	5	4	....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	15	....	....	....	....	....	....	....	1.94	-1.40	0.80	0	3	....	....	....	....	Miss Katie Jarvis
Charleston	Kanawha	600	27	73.6	+3.0	100	1†	44	29†	40	1.33	-1.76	0.42	0	7	22	0	8	....	R. O. Fields
Clay	Clay	706	14	....	....	....	....	....	....	....	2.06	-1.40	1.05	0	4	....	....	....	....	Chilton Wilson
Dam 6 G. K	Kanawha	598	4	....	....	....	....	....	....	....	1.52	....	0.35	0	8	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	14	....	....	....	....	....	....	....	1.39	-2.37	0.38	0	11	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	14	....	....	....	....	....	....	....	1.19	-2.13	0.26	0	11	....	....	....	....	Lockmaster
Dam 25 O. R.	Mason	565	3	....	....	....	....	....	....	....	1.29	....	0.38	0	6	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	14	....	....	....	....	....	....	....	1.62	....	0.40	0	8	....	....	....	....	U. S. Engineers Office
Gary	McDowell	1,426	14	[c]70.2	+1.7	93[c]	1	42[c]	30	34[f]	1.23	-2.22	0.26	0	9	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	33	[d]68.4	+0.8	100[d]	1	42	30	41[d]	0.55	-2.21	0.23	0	5	16	7	7	....	Mrs. M. L. McClung
Huntington ††	Cabell	538	33	73.0	+4.8	98	2	44	29	40	1.78	-0.94	0.55	0	8	8	13	9	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	11	....	....	....	....	....	....	....	2.29	-0.86	1.30	0	4	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	14	....	....	....	....	....	....	....	1.15	-2.70	0.65	0	4	....	....	....	....	Cabin Creek. Con Coal Co
Kermit	Mingo	579	4	....	....	....	....	....	....	....	1.33	....	0.45	0	6	....	....	....	....	E. B. Kirk
Lewisburg	Greenbrier	2,250	30	68.6	+4.5	95	1	36	30	41	0.36	-2.42	0.31	0	2	23	6	1	nw.	Geo. T. Argabrite
Logan	Logan	700	27	....	....	....	....	....	....	....	1.00	-1.99	0.33	0	8	....	....	....	....	J. R. Wampler
Marlinton	Pocahontas	2,131	31	62.8	+1.4	88	1	30	29	42	1.34	-1.82	0.52	0	8	4	24	2	sw.	S. L. Brown
Point Pleasant	Mason	595	37	71 4	+2.2	96	1†	39	28	46	0.68	-1.84	0.31	0	6	14	14	2	sw.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	0	....	....	....	....	41[q]	29	....	....	....	....	....	....	....	....	....	....	H. M. Word, Jr.
Ravenswood (Dam 22)	Jackson	584	7	70.9	....	94	3†	37	29	41	0.86	....	0.15	0	10	11	0	19	se.	Lockmaster
Richwood	Nicholas	2,193	0	....	....	....	....	....	....	....	1.55	....	1.25	0	5	12	0	18	....	Cherry River Paper Co.
Robertsburg	Putnam	570	30	70.4	+2.3	96	24	41	29	40	1.36	-0.95	0.32	0	8	17	0	13	....	M. Frazier
Ryan	Roane	700	27	68.4	+2.1	95	2†	35	29	46	1.10	-1.69	0.43	0	6	15	12	3	....	Wm E. Ryan
Sharples	Logan	....	10	....	....	....	....	....	....	....	1.35	-1.98	0.48	0	5	....	....	....	....	R. W. Howard
Spencer	Roane	789	26	69.9	+4.0	94	23	38	29	43	1.17	-1.87	0.48	0	6	9	18	3	....	A. M. McKown
Sutton	Braxton	850	24	70.8	+0.7	95	2†	39	29	46	2.05	-1.11	0.85	0	6	24	0	6	....	C. B. Eakle
Union [d]	Monroe	2,250	26	71.2	+4.9	96	1	38	29†	41	0.88	-1.73	0.35	0	4	6	14	6	....	W. M. H. Young
Wayne	Wayne	598	3	....	....	....	....	....	....	....	1.54	....	0.48	0	7	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	20	[a]66.8	+2.4	95[a]	1	30	30	43[a]	0.45	-2.68	0.20	0	3	29	0	1	....	A. P. Spence
Williamson††	Mingo	673	30	[a]75.9	+6.6	97[a]	1†	50	27†	35[a]	1.90	-1.12	0.70	0	8	17	0	13	ne.	Mrs. T W Lowe
State averages and	extremes	....	....	69.3	+3.5	106	2	29	29	57	1.46	-1.57	1.30	0	7	15	9	6	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for September, 1930

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac								.05					1.02		.19	.45	.03								.22		.25					2.21
Brandywine	do					T		.25						.70	.50		.05							T		T		.05					1.55
Harpers Ferry ‖	do		.13						.09	.01				T	.10	.09		.28															0.70
Kearneysville	do							.20	.18			T.		T		.40	.25	.80															1.83
Martinsburg ‖	do							.20						.10	.10	.05	1.30							T		.04	T.						1.79
Moorefield	do					.27			.05					.04			.18																0.54
Piedmont	do								.05					.62	.02		.28	.02							.02		.04						1.05
Romney‖	do							.14							.41			.91								.15		.12					1.73
Stony River Dam	do					T.								.16	.11			.40									.15	.10					0.92
Upper Tract	do							.40	T	T.				.40			.30					T											1.10
Wardensville‖	do								.37					.07	.09	.16	.02	.93															1.64
Northern Division																																	
Aberdeen	Monongahela												.01	T.	T.		.96	.04						T.	.29	T.	.65						1.95
Alma (near)	Ohio							.15	.07				.05	.28			.20	.19							.03	.05	.10						1.12
Alpena	Monongahela	T.	.04					T.	.10				T.	.31	T	.06	.12									.13		.35					1.11
Benson	do								.02					.06			.52									.27	.28	.16					1.31
Bens Run	do	.09		.14				.05	.09				.50	.12			.05	.05							.46	.26	.50	.05					2.36
Brownsville	do							.01	.01				.01	.06			.60	.08								.18	.03	.66					1.67
Bruceton Mills	do																																...
Buckhannon	do							T.	T.				T.	.20		T.	.50								T	.40		.62					1.72
Cairo	Little Kanawha			.07				.05	.02				.10				.05								.04	.09	.32						0.74
Clarksburg‖	do			.01					.05					.18	.08			.46								.05	.25	.32					1.40
Cortland ‖	do																.12								.20		.30						0.62
Crawford‖	Little Kanawha								.15								.39								.59			.53					1.66
Creston ‖	Monongahela			.03									.12				.34	.07									.10	.37					1.03
Dam 10, Mon. R.‖	Ohio			.06	.03			.02	.05					.10	.44			.25								.04	.02	.51			.01		1.53
Dam 12, O. R.‖	do	.04		.84					.76				.01	.10				.21						.20	.24	60		.25			T.		3.25
Dam 13, O. R.‖	Monongahela	.02	.02						1.12				.02	.20	.02		T.									1.04		.08					2.52
Dam 15, Mon. R ‖	do			.11					.06				.02	.21	.18			.38								.05	.08	.52					1.61
Davis ‖	do		.11		.04				.11	.04				.14	.12		.02	.32	T.							T.	.24	.31					1.45
Elizabeth (D'm 3 LK)	Little Kanawha	T.																.10										.38					0.48
Elkins***	Monongahela							.01	.02				T.	.44		T.	.39								.10	.02	.42	.04					1.44
Fairmont‖	do			.05					.06				T.	.13	.10		T.	.54								.05		.57					1.50
Glenville ‖	Little Kanawha								.04				.05	.04				.06								.11	.13	.49					0.92
Grafton ‖	Monongahela																																...
Horner	do																.88	.13								.58	.83						2.42
Horton	do							.15		.05			.04	.04			T.	.04								.19		.30					0.81
Janelew (near)	do			T.				T.									.55											.60					1.15
Lost Creek	do												.03	.02			.46	T.						T.		.50	.03	.35					1.39
Mannington	do			.12				.04	.05				.06	.20			.39	.04					.01		T.	.16	.01	.10			.01		1.19
Morgantown	do			T.				T.	T.				T	.48	T.		.30						T.		T.	T.	T.	.59					1.37
New Cumberland‖	Ohio	.09	.11	.08				.35	.11				.01				.11						.05	.04		.22	.02	.38					1.57
New Martinsville	do			.20					.22				.30												.10	.40	.15						1.37
Parkersburg***	do		T.	.05				.06	.18				.20	.01	T.	.04	.07								.05	.02	.33						1.01
Parsons	Monongahela							T.	.16				T.	.21				.35								.55							1.27
Parsons No. 2	do			T.					.03				.01	.22		T	.20	.18								.58		.36			T.		1.58
Philippi	do							T.	.03				T.	.02				.68								.03	.32	.69					1.77
Pickens	do							.38					.14	.20			.03	.12								.37		.70					1.94
Roanoke	do		.01	T.				.03					.01				.40									T.	.50						0.95
Rowlesburg‖	do								.19					.08	.53			.40									.37	.55					2.12
Saint Marys‖	Ohio	.07		.12					.05				.20	.03	.01	.02		.14						.01		.91	.02	.40					1.98
Terra Alta	Monongahela			.02				.05	.09				.04	.42			.51	.02								.28		.54					1.97
Thomas ‖	do		.04						.10	.01				.05	.52			.38									.27	.40			T.		1.77
Valley Chapel	do			.12									T.				.48									.25		.38					1.23
Vandalia	do																							.10				.31					0.41
Wellsburg	Ohio	.05		.35				T.	1.01				.05	.10		.22	.06						T.	T.	T.	.04		.30					2.18
West Milford	Monongahela														.06		.53							.02	.05	.90	.12	.32					2.00
Weston	do								.02									.42									.12	.55					1.11
Wheeling‖	Ohio	.03	T.	1.27	T.				1.02				.02	.15				.12						.33	T.	.66		.21					3.81
Woodlands‖	do			.28					.22			.14	.12	.12	.02		.03	.48								.46	.01	.01					1.89
Southern Division																																	
Arbovale	Great Kanawha			.01		.01		.20	.08					.20		.10	.14	.01								.52		.09					1.36
Bancroft ‖	do												.05		.24	.25	.10									.62	1.10	.10					2.46
Bluefield	do								.17					.47		.15	.15	.03		.06						.05		.03					1.11
Camden-on-Gauley‖	do												.80					.70								.44							1.94
Charleston ‖	do								.06				.04		.29	.08										.06	.42	.38					1.33
Clay‖	do								.04																	.22	.75	1.05					2.06
Dam 6 G. K ‖	do								.05				.06		.35	.14		.10								.25	.30	.27					1.52
Dam 19 O. R. ‖	Ohio	.10		.06				T.	.20				.20	.08	.38	.02	T.	.25								.04	.01	.05					1.39
Dam 20 O. R. ‖	do	.12		.26					.06				.22	.04	.03	.02	T.	.10								.05	.03	.26					1.19
Dam 25 O. R. ‖	do			.31					.04				.38					.20									.09	.27					1.29
Dam 26 O. R. ‖	do	.07											.35	.15		.40	.08									.14	.11	.32					1.62
Gary ‖	Big Sandy					.01	.17	.12				.10	.02			.26		.10									.20	.25					1.23
Hinton‖	do														.23	.09	T.	.05									.13	.05					0.55
Huntington ‖	Ohio		.04					T.				T.	.34		.21	.05	.04									.55	.52	.03					1.78
Kanawha Falls‖	Great Kanawha				T.				T.							.50										.24	.25	1.30					2.29
Kayford‖	do														.14	.30										T.	.05	.66					1.15
Kermit‖	Big Sandy			.16			.12						.20													.45	.12	.28					1.33
Lewisburg	Great Kanawha									.05				T.	T.		T.									.31							0.36
Logan‖	Guyandotte				.12	.05		.06					.04	.05		.33											.15	.20					1.00
Marlinton	Great Kanawha					.04		T.	.06				.04	.52	.12		.24									.22		.10					1.34
Point Pleasant‖	Ohio			.04					T.	T.			.31	T.				.10								.07	.11	.05					0.68
Rainelle	Meadow Creek																									.32		.02					+++
Ravenswood (Dam 22)	Ohio	.14		.06					.02				.13	.12	.01	.10		.10								.03		.15					0.86
Richwood	Great Kanawha			.01									.01	.25			.05										1.23	T.					1.55
Robertsburg‖	do	.22											.17	.10		.15		.03								.14	.32	.23					1.36
Ryan	do			.02				.02					.16	.07												.43	.40						1.10
Sharples‖	Coal River							.11					.07			.23									.48			.46					1.35
Spencer ‖	Great Kanawha			.03									.15					.06								.04	.48	.41					1.17
Sutton	Gauley													.10			.30	.10								.85	.30	.40					2.05
Union	do					.35								.04				.26		T.						.23							0.88
Wayne ‖	Big Sandy	.22											.16	.13		.48	.05									.34	.16						1.54
White Sulpr. Spgs.‖	Great Kanawha															.20										.15	.10						0.45
Williamson‖	Big Sandy	T.			.25				.70				.05	.20		.15		.10									.19	.26					1.90

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T. Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for September, 1930

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	89	90	83	80	84	88	78	68	75	81	84	75	80	86	85	80	74	72	74	82	88	83	86	90	82	87	78	68	65	63	....	79.9
	Minimum	56	53	59	36	45	52	49	59	42	44	42	53	57	54	51	54	58	41	38	38	50	53	55	47	57	62	43	37	32	35	....	48.4
Brandywine	Maximum	92	91	89	87	90	90	87	80	72	80	84	87	90	93	92	92	80	75	76	85	82	91	90	94	87	92	83	75	72	70	....	84.9
	Minimum	59	58	50	44	52	53	54	60	55	53	56	57	58	59	58	62	57	50	46	52	54	55	54	55	64	59	47	41	35	34	....	53.0
Kearneysville	Maximum	100	98	86	80	81	94	87	77	80	86	87	87	86	93	96	95	84	86	73	86	88	92	88	94	94	94	80	80	76	69	....	86.6
	Minimum	65	69	70	50	55	66	65	64	52	50	53	55	68	66	64	66	65	56	50	49	60	68	64	61	68	74	57	50	46	48	....	59.8
Martinsburg§	Maximum	98	99	90	85	85	85	80	80	83	85	83	83	85	95	93	85	83	79	75	80	88	92	90	94	92	96	83	90	79	..	....	86.7
	Minimum	65	64	69	53	53	57	60	50	50	53	63	59	59	65	65	66	65	67	59	60	61	63	65	62	63	68	57	53	48	49	..	59.7
Moorfield	Maximum	102	106	99	89	92	99	89	75	80	90	93	88	90	98	101	92	90	83	82	93	94	96	97	96	101	98	93	83	80	75	..	91.5
	Minimum	62	62	69	44	54	62	60	62	57	50	57	61	65	65	61	62	62	49	48	49	58	57	58	57	65	65	51	45	39	45	....	56.7
Piedmont	Maximum	94	94	85	83	85	91	83	73	77	82	90	78	86	94	93	80	81	81	75	86	82	87	92	84	92	80	72	72	65	64	....	82.7
	Minimum	64	62	64	46	53	60	56	62	60	53	51	59	64	64	61	62	61	45	47	47	54	56	57	63	64	50	40	36	44	43	....	54.9
Romney §	Maximum	97	100	98	88	85	95	75	80	87	92	.	85	94	85	97	89	83	75	75	90	87	92	95	97	92	95	..	78	54	.	....	87.4
	Minimum	61	63	66	45	54	63	56	54	48	53	59	..	65	67	60	62	63	48	46	47	52	57	58	58	64	64	53	..	38	43	....	56.0
Upper Tract	Maximum	90	94	95	86	85	90	89	80	80	82	84	87	90	91	92	86	86	87	87	86	83	82	..	87	91	94	94	85	78	87	....	87.2
	Minimum	57	58	57	44	43	45	51	55	52	52	53	54	58	59	58	64	65	56	58	51	46	45	..	46	55	55	60	57	42	35	....	52.8
Wardensville	Maximum	100	100	88	89	84	93	84	74	76	86	88	80	86	94	96	90	83	79	83	86	87	91	93	94	94	92	74	76	75	..	....	86.7
	Minimum	57	62	65	44	48	58	59	62	51	49	52	55	64	64	59	61	61	47	48	49	56	54	57	56	65	62	52	41	35	43	....	54.5
Northern Division																																	
Alpena	Maximum	87	86	75	81	80	83	77	71	73	76	79	74	79	84	83	78	72	70	72	77	77	80	85	87	77	84	75	66	62	63	....	77.1
	Minimum	55	53	58	57	47	48	48	55	43	54	45	52	49	57	51	56	57	38	39	45	51	53	65	48	58	61	41	36	29	37	....	49.5
Bens Run	Maximum	94	95	84	85	86	90	82	80	82	85	91	81	82	88	90	82	79	80	81	81	83	90	92	90	81	90	71	72	73	71	....	83.7
	Minimum	67	62	68	51	54	58	60	63	52	50	54	65	68	66	63	64	63	47	49	50	50	59	62	61	66	65	50	47	40	41	....	57.2
Buckhannon	Maximum	80	87	75	79	83	72	73	74	79	80	85	78	81	82	85	80	75	70	75	78	79	83	86	87	80	85	70	67	70	63	....	78.0
	Minimum	62	62	67	47	53	57	60	63	53	52	53	64	66	62	58	65	64	47	49	51	60	58	57	57	64	65	48	44	40	38	....	56.2
Cairo	Maximum	95	96	79	88	89	91	91	80	86	86	90	84	87	87	92	85	85	82	86	83	85	92	97	92	84	93	72	75	90	69	....	86.4
	Minimum	65	62	67	52	52	53	53	64	47	47	50	65	65	59	59	59	59	40	42	45	50	55	55	55	62	60	42	38	33	39	....	53.1
Clarksburg §	Maximum	97	95	81	88	89	90	73	77	84	87	95	82	87	88	94	82	78	81	83	86	83	89	93	94	88	94	68	71	73	67	....	84.6
	Minimum	65	64	67	44	52	56	60	63	49	49	50	60	66	62	59	63	60	43	46	47	54	57	57	56	54	66	48	42	36	40	....	54.5
Creston	Maximum	94	96	93	87	88	92	89	81	87	86	89	84	89	88	92	81	80	81	80	85	83	90	95	93	85	92	70	74	76	72	....	85.7
	Minimum	65	63	60	44	50	50	58	62	48	45	50	65	66	60	58	62	59	43	44	46	51	55	57	54	61	60	41	38	35	39	....	53.0
Elkins	Maximum	90	89	75	82	83	84	78	75	78	82	86	75	81	84	88	80	74	72	75	79	79	83	87	90	80	87	66	68	67	62	....	79.3
	Minimum	61	58	56	45	54	54	54	57	49	52	50	59	63	61	57	64	50	44	44	49	56	57	54	53	64	65	46	43	35	36	....	53.0
Fairmont§	Maximum	97	100	83	87	92	93	71	81	85	89	95	81	89	92	96	84	80	81	81	87	86	92	94	97	85	92	71	75	75	70	....	86.0
	Minimum	67	67	68	48	55	59	61	65	50	50	53	63	67	65	62	66	61	46	49	50	55	59	61	59	66	66	47	45	38	43	....	57.0
Glenville	Maximum	93	98	95	90	89	93	90	83	88	89	90	89	90	91	94	93	85	81	83	87	86	92	96	96	86	94	91	76	77	75	....	88.7
	Minimum	52	55	63	45	48	50	54	58	45	45	47	60	62	56	54	58	54	38	42	43	48	50	52	51	60	59	40	36	34	37	....	49.9
Lost Creek	Maximum	96	96	90	89	90	92	87	80	86	89	94	86	89	89	93	87	80	81	80	88	82	90	95	95	90	90	83	73	75	69	....	86.8
	Minimum	65	62	66	41	50	54	60	62	48	47	49	64	65	60	57	63	61	41	45	47	53	57	55	54	63	65	47	45	35	39	....	54.0
Mannington	Maximum	91	92	88	80	85	86	81	77	81	82	87	78	83	85	89	81	75	74	78	79	80	86	87	90	82	88	76	70	70	65	....	81.5
	Minimum	64	62	66	44	48	53	56	63	46	46	47	63	65	61	58	61	58	41	45	44	50	53	55	54	63	63	41	38	32	40	....	52.8
Morgantown	Maximum	87	93	85	82	87	89	78	74	82	81	91	77	90	87	89	81	76	76	80	81	80	87	88	92	93	89	73	73	71	63	....	82.5
	Minimum	68	68	63	60	62	60	60	60	50	50	56	63	63	64	63	63	61	48	48	52	54	54	62	62	62	66	47	48	38	42	....	57.2
New Cumberland§	Maximum	92	93	79	83	84	88	82	76	79	84	89	79	88	90	89	81	77	79	84	86	78	84	89	91	84	88	68	68	67	..	....	82.7
	Minimum	62	66	66	50	49	53	54	58	48	45	47	52	64	63	65	65	61	44	44	49	58	53	61	58	61	68	48	53	38	39	....	54.7
New Martinsville	Maximum	95	96	89	85	87	90	85	80	85	87	95	92	87	89	92	87	81	82	84	82	84	88	90	90	82	91	79	76	73	71	....	85.8
	Minimum	71	66	74	71	73	72	65	67	..	..	..	..	..	..	71	72	72	58	56	57	52	68	63	61	61	58	52	47	44	46	....	62.4
Parkersburg	Maximum	93	95	80	85	85	89	73	77	82	82	88	77	80	85	90	81	77	79	83	81	82	90	92	89	82	89	70	71	74	65	....	82.4
	Minimum	70	68	61	52	54	60	66	63	57	56	59	67	68	68	65	67	56	48	51	52	58	64	63	63	69	56	50	53	43	48	....	59.2
Parsons	Maximum	98	96	95	89	89	95	76	79	83	89	96	85	87	92	94	85	86	86	79	88	83	89	94	98	87	91	77	72	79	70	....	86.9
	Minimum	59	59	52	45	45	55	54	53	52	55	50	63	62	61	59	57	54	41	44	48	54	53	54	53	52	48	38	33	33	43	....	51.0
Pickens	Maximum	81	80	67	66	58	70	60	65	67	73	67	71	62	73	75	65	67	54	71	70	70	78	82	79	67	75	60	64	46	53	....	67.9
	Minimum	56	54	55	38	41	45	45	50	47	45	47	56	55	56	49	46	41	38	41	45	49	51	50	52	52	55	32	36	30	32	....	46.3
Terra Alta	Maximum	86	86	83	78	81	83	75	69	72	78	83	77	79	82	85	82	71	69	73	79	74	80	81	87	76	84	79	65	64	59	....	77.3
	Minimum	59	57	61	40	52	55	50	54	48	44	45	56	59	56	47	52	51	37	41	41	52	60	51	42	51	65	42	43	34	35	....	49.3
Wellsburg	Maximum	92	95	97	81	78	87	82	78	81	83	88	80	87	87	88	81	77	78	82	83	75	84	89	89	84	90	80	67	68	60	....	82.5
	Minimum	62	63	65	45	45	51	57	57	44	40	45	61	61	62	61	65	60	40	41	43	53	50	57	55	64	64	48	40	31	34	....	52.1
Weston	Maximum	95	96	95	89	88	82	84	90	88	89	90	92	90	89	93	79	78	76	75	85	80	90	95	94	80	88	70	72	74	76	....	85.4
	Minimum	65	66	60	47	50	62	60	62	58	56	54	68	60	65	59	58	65	46	49	50	56	59	60	55	65	60	45	38	45	50	....	56.5
Wheeling§	Maximum	96	100	87	88	88	95	70	85	87	88	95	76	90	92	93	85	84	86	90	84	81	90	95	95	89	92	72	75	75	..	....	87.1
	Minimum	59	63	62	45	46	52	58	55	46	42	44	50	62	62	60	63	65	51	44	42	64	52	62	63	60	64	45	43	34	35	....	53.1
Southern Division																																	
Bluefield	Maximum	..	91	85	82	85	83	..	86	75	74	72	84	78	..	85	82	87	73	71	.	.	85	89	87	82	82	80	..	73	70	....	80.9
	Minimum	..	59	62	61	65	61	..	58	61	59	62	63	64	..	55	66	60	52	59	..		52	59	57	65	62	46		45	44	....	58.2
Charleston§	Maximum	100	100	88	88	92	98	86	86	86	92	86	84	84	92	94	86	88	84	84	88	90	94	98	96	86	92	80	82	80	80	....	88.8
	Minimum	64	66	66	58	58	58	58	62	58	58	58	62	66	66	62	62	64	52	52	54	58	60	60	60	60	66	48	46	44	44	....	58.3
Gary §	Maximum	93	91	85	84	89	83	82	82	83	81	79	86	..	85	87	80	78	77	79	..	82	88	90	90	85	85	..	74	64	71	....	82.7
	Minimum	61	57	62	62	59	57	63	62	61	59	60	64	64	..	58	58	63	54	54	55	..	55	59	56	60	61	48	..	44	42	....	57.7
Hinton §	Maximum	100	96	88	92	91	94	66	87	68	67	85	87	87	85	94	64	82	79	60	62	78	60	..	..	..	..	75	79	76	42	....	78.6
	Minimum	59	58	60	61	63	57	57	62	65	65	61	64	65	64	60	61	62	52	53	56	59	57	58	57	60	64	49	48	43	42	....	58.1
Huntington	Maximum	97	98	90	90	92	94	84	84	88	86	86	81	92	89	89	85	83	83	82	84	85	93	96	91	86	91	76	78	84	73	....	87.0
	Minimum	69	68	69	53	56	60	67	62	57	55	61	67	68	66	64	62	59	47	48	50	53	59	60	62	69	67	50	48	44	48	....	58.9
Lewisburg	Maximum	95	91	89	83	86	89	81	85	76	79	83	82	83	84	92	85	81	76	76	81	83	83	90	93	85	86	80	75	70	70	....	83.1
	Minimum	55	54	59	57	59	53	51	59	63	61	58	62	63	58	51	61	61	47	49	50	54	53	52	53	62	58	47	41	38	36	....	54.2
Marlinton	Maximum	88	84	80	76	78	82	74	76	64	74	78	74	74	78	82	78	72	70	70	74	76	80	84	86	78	80	66	66	61	62	....	75.6
	Minimum	50	52	52	48	46	50	46	54	62	58	52	56	58	64	54	54	56	40	42	50	48	46	48	44	62	58	42	44	30	32	....	49.9
Point Pleasant	Maximum	96	96	90	96	90	92	92	85	82	86	88	83	90	88	90	85	82	81	86	85	89	93	96	94	82	92	76	80	76	74	....	87.2
	Minimum	67	64	68	50	50	56	56	51	62	49	55	64	65	62	62	64	58	45	47	47	49	58	57	58	65	63	46	39	44	43	....	55.5
Ravenswood	Maximum	92	93	94	89	87	90	82	81	84	85	87	85	87	85	89	84	80	80	84	83	83	91	91	92	82	90	83	74	77	76	....	85.4
	Minimum	69	65	70	48	52	56	59	63	52	50	55	62	63	64	63	65	62	46	46	51	53	59	57	59	67	65	50	43	37	42	....	56.4
Robertsburg§	Maximum	94	95	90	87	90	91	78	82	85	88	86	75	90	88	91	78	76	80	83	76	78	92	93	96	85	89	73	70	79	66	....	84.1
	Minimum	67	66	67	50	50	56	65	62	54	53	56	59	63	64	63	65	58	47	46	51	56	59	58	60	58	64	46	45	41	44	....	56.6
Ryan	Maximum	90	95	80	90	90	90	75	80	85	85	85	84	90	85	90	85	75	80	85	80	80	90	95	95	75	90	70	75	80	75	....	84.1
	Minimum	60	61	62	44	51	50	57	57	48	48	52	62	64	60	58	65	55	44	56	56	50	52	53	53	50	60	41	39	35	39	....	52.7
Spencer §	Maximum	93	93	76	85	89	90	81	82	81	85	89	81	88	85	82	82	81	78	81	84	81	90	94	93	87	90	78	73	75	68	....	83.8
	Minimum	67	66	67	42	57	56	61	62	52	51	54	60	67	65	61	63	61	52	48	49	52	58	57	57	59	63	46	44	38	41	....	56.0
Sutton	Maximum	90	95	95	92	92	91	91	82	84	85	89	89	84	84	92	92	80	79	82	82	87	92	93	93	89	90	90	73	75	75	....	86.9
	Minimum	66	61	64	55	54	52	54	61	55	55	54	62	65	61	59	55	56	46	48	50	56	55	56	54	63	62	44	41	39	42	....	54.8
Union	Maximum	96	95	93	92	86	91	..	91	87	79	81	82	81	..	93	91	85	81	77	79	..	90	92	94	89	86	88	..	79	75	....	86.8
	Minimum	56	55	59	62	59	57	..	53	62	61	59	62	62	..	52	63	61	50	51	56	..	55	55	55	62	57	47	..	38	38	....	55.7
White Sulphur Spgs§	Maximum	95	91	86	85	84	82	90	75	79	80	80	85	84	84	88	80	78	75	76	84	87	89	88	87	84	73	74	71	71	..	....	82.2
	Minimum	52	54	58	55	56	49	53	58	60	57	57	60	60	53	57	58	48	44	47	54	51	51	52	60	53	47	39	38	35	30	....	51.5
Williamson§	Maximum	97	97	88	90	93	94	95	94	85	88	80	86	95	92	92	82	85	77	85	90	89	92	95	95	84	91	82	80	75	..	....	85.6
	Minimum	72	72	69	64	64	63	63	65	64	65	62	68	60	65	70	70	67	55	60	60	65	64	65	65	70	70	50	50	50	50	....	63.2

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.101	.224	.309	.133	.178	.300	.219	.000	.163	.157	.145	.167	.078	.110	.189	.222	.093	.212	.155	.100	.145	.187	.256	.077	.138	.057	.341	.117	.235	.158	....	4.966
	Wind movement	23	31	83	23	28	58	35	18	58	29	28	20	19	25	42	44	49	17	74	9	30	58	46	36	31	18	73	80	83	53	....	1,221

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 10-24-30—900)

Nu'E

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

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WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXVIII Parkersburg, W. Va., October, 1930 No. 10

GENERAL SUMMARY

The severe summer drought continued through October, the October rainfall being considerably the lowest of any month for the year. There was not enough precipitation to reach the smaller rivers. In many sections of the State water was scarce for domestic use, and there was practically no water for power purposes. The precipitation for October was below 1 inch for only five years of record, including 1930. Light snow fell generally in the mountain districts during the last week of the month. The month was decidedly cold. Freezing temperature and killing frosts occurred in most sections on the 20th, and on the 22d the temperature fell to the October record up to that date. The apple-crop was secured under favorable weather conditions. Winter grains were in good condition at the close of the month.

TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 50.5°. The departure from the normal for 42 stations having ten or more years of record was —4.2°. The highest monthly mean was 56.8° at Charleston, and the lowest, 41.2° at Pickens. The month opened cool and cool weather continued until the 3d. The temperature was much below the normal from the 17th to the 27th. The last two days of the month were also cool. Moderately warm weather prevailed from the 11th to the 16th. The highest temperatures occurred generally on the 11th, 13th, and 14th, and the lowest on the 22d.

PRECIPITATION

The average precipitation for the State, determined from 87 stations, was 0.96 inch. The departure from the normal for 59 stations having ten or more years of record was —2.16 inches. The greatest monthly amount was 1.89 inches at Bluefield, and the least, 0.08 inch at Moorfield. Practically all the precipitation was recorded on the 8-9th, 16-18th, 23d-24th, 28th, and 31st. In most regions only traces of snow were noted, but at several stations in the mountains the amounts were measurable. The greatest amounts were as follows: Arbovale, 2.0 inches; Horton, 1.1 inches; Pickens, 2.0 inches; Thomas, 1.5 inches.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 11th, 12th, 15th, and 16th; Bancroft, st to the 7th, 10th, 11th, 13th, 16th, and 30th; Elkins, 1st, d, 4th, 5th, 10th, 12th, 14th, 15th, 16th, and 30th; Fairnont, 1st, 2d, 6th, 11th, 14th, and 15th; Hinton, 10th, 11th, 6th, 17th, and 28th; Huntington, 6th, 10th, 11th, and 22d; arlinton, 3d, 10th, 12th, and 13th; New Cumberland, 23d nd 30th; Parkersburg, 1st, 2d, 10th, and 22d; Point Pleasant, 0th and 22d; Ravenswood, 26th; Terra Alta, 10th, 12th, 4th, 15th, 16th, and 24th; Wellsburg, 6th, 10th, 11th, 13th, 5th, and 16th; Wheeling, 1st, 3d, 6th, 8th, 10th, 12th, 3th, 15th, 16th, 21st, 23d, 26th, 27th, and 31st.

MISCELLANEOUS PHENOMENA (Continued)

Halos, lunar: Huntington, 4th and 5th.

Halos, solar: Elkins and Parsons, 7th.

Sleet: Marlinton and Parsons, 23d.

Thunderstorms: Martinsburg, 16th and 31st; Terra Alta, 16th; Wardensville, 31st.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.13	81	51	55	228.3	66	3,653	4.9	18	sw.	19
Columbus, Ohio	30.12	72	46	56	223.3	65	6,047	8.1	30	w.	19
Elkins	30.17	88	47	64	180.9	52	2,693	3.6	22	w.	17
Lexington, Ky.	30.15	76	55	..	204.6	59	7,329	9.9	36	s.	8
Parkersburg	30.15	79	45	57	176.7	51	2,941	4.0	19	sw.	30
Pittsburgh, Pa.	30.14	79	50	58	211.1	61	5,477	7.4	30	w.	19
Wytheville, Va.	30.12	82	53	63	192.0	55	3,275	4.4	23	sw.	19

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	51.5	95	21	1.97	2.91	T.	......	7	......	......	......
1892	52.6	89	24	0.83	1.45	0.21	......	4	......	......	......
1893	54.1	86	16	4.74	7.22	1.00	......	5	21	6	4
1894	54.4	88	22	2.32	3.85	1.17	T.	7	16	8	7
1895	**48.1**	89	**8**	1.29	2.25	0.16	T.	5	22	5	4
1896	51.0	82	20	2.08	4.37	0.45	T.	7	14	9	8
1897	58.2	95	22	0.53	2.27	0.07	0	3	18	7	6
1898	55.6	95	19	4.84	8.50	2.48	T.	11	11	10	10
1899	56.8	91	19	1.42	3.81	0.23	0	5	15	7	9
1900	**60.9**	97	24	2.33	4.80	1.15	0	5	16	8	7
1901	54.3	86	19	0.54	1.95	0.12	0	3	19	6	6
1902	56.5	87	17	2.63	5.50	0.90	T.	6	16	8	7
1903	54.2	96	15	2.55	4.75	0.80	T.	6	17	7	7
1904	54.5	92	16	1.59	3.02	0.37	T.	5	18	8	5
1905	54.2	95	19	4.71	8.26	2.46	T.	6	13	8	10
1906	54.5	86	12	3.09	8.15	1.64	1.3	12	11	6	14
1907	50.3	87	19	2.65	5.12	0.54	0.1	7	15	9	7
1908	55.1	91	16	1.60	6.88	0.33	T.	5	18	7	6
1909	50.0	88	14	2.79	5.27	0.60	0.1	7	16	7	8
1910	58.1	95	15	1.85	2.96	0.80	0.7	6	18	7	6
1911	56.3	88	23	5.28	9.65	3.27	0	11	12	7	12
1912	55.5	93	20	1.34	3.10	0.20	T.	4	18	7	6
1913	54.5	92	12	4.50	8.11	1.78	0.3	11	12	6	13
1914	57.3	91	14	2.94	6.72	1.37	T.	9	12	8	11
1915	56.6	89	20	4.11	5.55	0.74	T.	6	17	7	7
1916	54.1	97	16	2.38	4.35	0.91	T.	7	19	5	7
1917	49.2	89	16	4.35	6.49	1.18	5.5	10	15	6	10
1918	58.2	89	24	3.68	7.53	1.59	T.	8	15	7	9
1919	62.3	**102**	28	5.84	11.88	2.13	0	14	9	7	15
1920	57.5	90	21	1.15	2.53	0.10	0 1	4	22	4	5
1921	53.7	88	21	2.48	5.76	0.30	0.1	8	18	5	8
1922	55 4	93	18	2.45	4.81	0.39	T.	6	19	5	7
1923	52.1	93	12	1.39	2.41	0.65	T.	6	19	5	7
1924	54.6	87	14	0.40	1.28	**0**	T.	2	23	4	4
1925	49.3	86	14	7.30	**13.08**	2.19	4.3	16	5	7	19
1926	54.9	92	20	4.79	8.74	1.04	0.3	12	10	8	13
1927	57.0	100	21	4.13	11.10	1.14	0.4	8	19	4	8
1928	56.7	94	12	1.98	3.26	0.58	0.1	7	14	7	10
1929	52.6	89	21	6.17	10.93	3.92	0.1	11	13	6	12
1930	50.5	94	**8**	0.96	1.89	0.08	0.2	6	17	6	8
1891-1930	54.6	102	8	2.85	13.08	0	0.4	7	16	7	8

Climatological Data for October, 1930

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	29	44.9	-3.9	77	7†	8	22	54	0.70	-2.75	0.25	0.5	5	19	5	7	w.	Lewis T. Clark
Brandywine††	Pendleton	1,586	14	47.7	-2.2	82	15	13	22	48	1.15	-0.77	0.75	0	6	21	1	9	n.	Elmer Keister
Harpers Ferry	Jefferson	244	41	...	...	...	...	...	...	...	0.26	-2.69	0.18	0	4	...	...	...	...	J. C. Newcomer
Kearneysville††	Jefferson	548	0	53.6	...	82	15	22	27	48	0.41	...	0.20	0	4	16	4	11	e.	F. J. Schneiderhan
Martinsburg	Berkeley	435	38	^{a}53.2	-1.4	85^{a}	15†	23	27	48^{a}	0.47	-2.09	0.25	0	6	25	5	1	nw.	Dr. H. S. Gardner
Moorefield	Hardy	900	34	52.2	-3.4	86	15	13	22	54	0.08	-2.10	0.08	0	1	28	2	1	...	M. S. Henkel
Piedmont	Mineral	1,053	17	50.4	-3.0	82	16	18	22	43	0.18	-2.62	0.09	0	3	16	5	10	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	32	^{a}50.9	-4.3	86^{a}	15	18	27	52^{a}	...	...	...	...	...	20	3	8	...	George E. Bergdoll
Stony River Dam	Grant	3,300	10	...	...	...	...	...	...	...	0.84	-2.49	0.24	2.0	6	14	6	11	w.	A. C. Becker
Upper Tract	Pendleton	1,230	31	49.7	-5.7	80	8†	12	23	51	...	...	...	...	...	20^{f}	0^{f}	5^{f}	w.	J. M. Mallow
Wardensville	Hardy	1,200	13	^{c}50.4	...	84^{c}	15	16^{b}	22	52^{d}	0.39	...	0.29	0	3	13^{b}	6^{b}	10^{b}	nw.	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	6	...	...	...	...	...	...	...	0.76		0.23	T.	5	17	10	4	w.	L. Else Bond
Alma (near)	Tyler	...	3	...	...	...	...	...	...	...	0.56	...	0.16	0	6	18	8	5	...	D. N. Furbee
Alpena	Randolph	2,571	0	^{e}45.2	...	75^{e}	6†	8	22	50^{e}	0.70	...	0.27	1.0	6	19	5	7	w.	Christian Hertig
Benson	Harrison	1,080	6	49.1	...	82	13	11	22	46	0.65	...	0.18	T.	5	14	12	5	...	John A. Clark
Bens Run	Pleasants	652	28	54.3	-3.4	84	14	24	20	41	0.74	-2.37	0.26	0	6	15	12	4	...	J. D. Riggs
Brownsville	Lewis	1,032	7	49.7	...	82	12	12	22	51	1.06	...	0.31	T.	6	23	3	5	...	George M. Meyers
Bruceton Mills††	Preston	1,549	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Mrs. Ola Wolf
Buckhannon	Upshur	1,411	33	49.5	-3.9	78	11	17	22	40	1.38	-2.08	0.60	T.	6	21	3	7	...	H. A. Darnall
Cairo	Ritchie	680	29	51.2	-5.6	87	11	13	22	50	0.52	-2.56	0.22	0	6	10	16	5	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	8	49.6	...	82	6†	14	22	49	0.53	...	0.14	0	7	16	8	7	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	19	...	...	...	...	...	...	...	1.19	-2.17	0.55	0	4	17	9	5	...	G. W. Harmon
Crawford	Lewis	1,107	7	...	...	...	...	...	...	...	0.87	...	0.23	0.5	7	15	9	7	nw.	George W. Blair
Creston	Wirt	640	28	51.0	-4.8	88	15	13	22	49	0.52	-2.49	0.26	0	3	18	5	8	...	J. M. Reed
Dam 10 Mon. R	Marion	826	9	...	...	...	...	...	...	...	0.80	...	0.41	0	4	...	...	...	...	Lockmaster
Dam 12 O. R	Ohio	660	14	...	...	...	...	...	...	...	0.87	-2.33	0.35	0	5	...	...	...	...	Lockmaster
Dam 13 O. R	Ohio	655	14	...	...	...	...	...	...	...	0.80	-2.26	0.26	0	6	...	...	...	...	Lockmaster
Dam 15 Mon. R	Monongalia	882	9	...	...	...	...	...	...	...	0.73	...	0.18	0	8	...	...	...	...	Lockmaster
Davis	Tucker	3,093	21	...	...	...	...	...	...	...	1.11	-2.88	0.32	T.	7	...	...	...	...	Ross C. Male
Elizabeth (Dam 3 L. K)	Wirt	615	18	...	...	...	...	...	...	...	0.56	-3.19	0.30	0	4	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	29	47.5	-4.8	79	11	14	22	47	0.82	-2.09	0.34	0.4	6	7	17	7	w.	U. S. Weather Bureau
Fairmont	Marion	883	24	52.0	-2.9	89	13	18	22	47	0.71	-2.15	0.17	T.	7	15	9	7	w.	J. C. Robinson
Glenville	Gilmer	738	36	52.0	-4.0	89	13	12	22	56	0.79	-2.26	0.27	0	6	13	7	11	w.	Howard R. Brannon
Horner	Lewis	1,044	7	...	...	...	...	...	...	...	1.35	...	0.60	0	4	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	5	...	...	...	...	...	...	...	0.46	...	0.21	1.1	4	14	4	13	nw.	J. W. White
Janelew (near)	Lewis	1,020	7	51.0	...	85	13	13	22	49	0.80	...	0.30	T.	3	21	5	5	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	32	50.8	-4.0	85	11†	12	22	52	0.85	-1.88	0.41	0	5	18	6	7	w.	Allen Smith
Mannington	Marion	985	27	48.8	-5.7	81	11	12	22	46	0.79	-2.15	0.19	0	9	15	8	8	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	37	50.5	-5.0	81	7†	18	22	38	1.62	-1.52	0.60	T.	4	17	6	8	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	32	^{a}51.0	-3.5	84^{a}	11	20	22	42^{a}	1.33	-1.45	0.36	0.2	8	14	6	11	s.	C. H. Hesse
New Martinsville	Wetzel	634	36	54.2	-2.9	87	13†	22	22	47	0.90	-1.98	0.25	0	6	17	5	9	n.	Wm. Ankrom
Parkersburg	Wood	638	43	53.4	-2.7	84	14	23	22	36	0.68	-1.80	0.26	0	6	13	5	13	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	30	50.6	-2.4	89	5†	14	22	62	0.88	-2.00	0.30	T.	5	18	4	9	...	J. W. Swisher
Parsons No. 2	Tucker	...	4	...	...	...	...	...	...	...	0.96	-1.92	0.26	T.	7	22	4	5	...	Robert T. Deem
Philippi	Barbour	1,550	33	...	...	...	...	...	...	...	0.87	-2.01	0.28	T.	5	...	...	...	...	Prof. W. W. Thomson
Pickens	Randolph	2,697	27	41.2	-9.4	75	10	9	22	46	1.41	-2.90	0.64	2.0	5	17	7	7	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	7	...	...	...	...	...	...	...	0.96	...	0.37	T.	5	22	6	3	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	43	...	...	...	...	...	...	...	1.02	-2.01	0.28	0.2	6	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	21	...	...	...	...	...	...	...	0.78	-2.62	0.25	0	6	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	29	45.3	-6.3	76	14	11	22	43	1.04	-2.58	0.27	1.1	8	9	11	11	w.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	1	...	...	...	...	...	...	...	0.96	...	0.35	1.5	5	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	7	51.3	...	83	13	17	22	48	0.69	...	0.20	T.	5	22	4	5	w.	J. C. Campbell
Vandalia	Lewis	1,120	7	...	...	...	...	...	...	...	0.85	...	0.25	0	5	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	23	48.8	-5.3	81	11	16	22	45	1.20	-1.66	0.36	T.	6	17	7	7	w.	George P. Pfister
West Milford	Harrison	979	5	...	...	...	...	...	...	...	0.55	...	0.14	0	6	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	35	50.4	-5.1	80	14	18	22	47	0.81	-2.30	0.25	T.	5	0	20	11	...	Weston State Hospital
Wheeling	Ohio	645	43	^{a}51.4	-4.2	89^{a}	11†	17	22	52^{a}	0.99	-1.57	0.31	0	5	14	9	8	w.	Miss M. B. Forsyth
Woodlands	Marshall	637	3	...	...	...	...	...	...	...	1.04	...	0.37	0	6	17	2	12	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	4	...	...	...	...	...	...	...	0.50	...	0.20	2.0	8	16	7	8	w.	H. S. Sutton
Bancroft	Putnam	574	26	52.8	-4.6	84	11†	22	22	40	0.83	-2.35	0.34	0	6	19	0	12	ne.	R. E. Dent
Beckley	Raleigh	2,440	27	51.3	-2.4	79	11†	14	22	51	0.72	-2.05	0.32	T.	4	14	8	9	...	L. A. Mauck
Bluefield ^{d}	Mercer	2,558	35	52.2	-3.8	80	11	19	22	44	1.89	-1.99	0.43	1.0	10	14	3	10	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	15	...	...	...	...	...	...	...	1.40	-1.50	0.44	T.	4	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	27	56.8	-2.1	94	14	24	22†	48	0.82	-2.12	0.40	0	6	16	0	15	...	R. O. Fields
Clay	Clay	706	14	...	...	...	...	...	...	...	1.00	-2.27	0.35	0	5	...	...	...	...	Chilton Wilson
Dam 6 G. K	Kanawha	598	4	...	...	...	...	...	...	...	0.58	...	0.35	0	3	...	...	...	...	Lockmaster
Dam 19 O. R	Wood	600	14	...	...	...	...	...	...	...	1.21	-2.26	0.38	0	6	...	...	...	...	Lockmaster
Dam 20 O. R	Wood	600	14	...	...	...	...	...	...	...	0.85	-2.74	0.30	0	6	...	...	...	...	Lockmaster
Dam 25 O. R	Mason	565	3	...	...	...	...	...	...	...	1.31	...	0.36	0	9	...	...	...	...	Lockmaster
Dam 26 O. R	Mason	564	14	...	...	...	...	...	...	...	1.01	...	0.42	0	7	...	...	...	...	U. S. Engineers Office
Gary	McDowell	1,426	14	51.2	-4.0	82	11	18	22	46	1.51	-2.16	0.55	T.	11	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	33	^{k}50.0	-6.6	82^{k}	14	20	22†	44^{k}	0.69	-1.87	0.43	0	5	16	3	12	...	Mrs. M. L. McClung
Huntington	Cabell	538	33	56.0	-0.2	85	10†	24	22	39	0.87	-1.51	0.22	0	8	13	8	10	...	H. N. Robinson
Kanawha Falls	Fayette	618	11	...	...	...	...	...	...	...	1.05	-2.49	0.47	0	5	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	14	...	...	...	...	...	...	...	1.04	-2.79	0.54	0	6	...	...	...	...	Cabin Creek. Con Coal Co
Kermit	Mingo	579	4	...	...	...	...	...	...	...	0.89	...	0.38	T.	6	...	...	...	...	E. B. Kirk
Lewisburg	Greenbrier	2,250	30	50.2	-3.4	79	11	10	22	44	0.95	-2.14	0.40	0	4	15	6	10	nw.	Geo. T. Argabrite
Logan	Logan	700	27	...	...	...	...	...	...	...	1.84	-1.91	0.78	T.	8	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	31	44.3	-5.5	76	11	8	22	48	1.30	-1.94	0.72	T.	4	11	16	4	sw.	S. L. Brown
Point Pleasant	Mason	595	37	54.2	-3.4	87	12	20	22	46	1.16	-1.43	0.28	0	8	16	10	5	w.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	0	^{f}47.6	...	80	11	9^{f}	22	49^{f}	1.17	...	0.31	0	7	17	5	9	...	H. M. Word, Jr.
Ravenswood (Dam 22)	Jackson	584	7	53.2	...	85	11	19	22	49	1.39	...	0.66	0	5	21	0	10	nw.	Lockmaster
Richwood	Nicholas	2,193	0	^{a}48.8	...	82^{a}	10	17	22	51^{a}	1.06	...	0.38	T	6	17	0	14	...	Cherry River Paper Co.
Robertsburg	Putnam	570	30	52.4	-5.0	88	13	20	22†	47	0.87	-1.91	0.30	0	8	18	0	13	...	M. Frazier
Ryan	Roane	700	27	50.8	-4.0	85	10†	13	22	48	0.86	-2.59	0.25	0	7	18	3	10	...	Wm E. Ryan
Sharples	Logan	...	10	...	...	...	...	...	...	...	1.50	-1.24	0.60	0	4	...	...	...	...	R. W. Howard
Spencer	Roane	789	26	51.6	-3.6	85	14	16	22	44	0.75	-2.46	0.30	0	4	16	11	4	...	A. M. McKown
Sutton	Braxton	850	24	^{f}47.5	-9.3	77^{f}	16†	15^{f}	22	44^{f}	1.05	-2.04	0.45	T.	4	27	0	4	...	C. B. Eakle
Union ^{d}	Monroe	2,250	26	52.2	-1.9	82	13	11	22	51	1.10	-1.95	0.36	1.0	5	11	9	7	...	W. M. H. Young
Wayne	Wayne	598	3	...	...	...	...	...	...	...	1.58	...	0.90	0	8	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	20	^{a}49.0	-4.2	82^{a}	10	10	21	48^{a}	0.80	-2.02	0.40	0	3	24	1	6	...	A. P. Spence
Williamson	Mingo	673	30	^{a}54.0	-4.4	83^{a}	6	25	22	45^{a}	0.93	-1.83	0.48	T.	8	16	2	13	se.	Mrs. T. W Lowe
State averages and	extremes	...	...	50.5	-4.2	94	14	8	22	62	0.96	-2.16	0.90	0.2	6	17	6	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for October, 1930

Stations	Drainage-basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard|||	Potomac																	T.	.25					.11	.12				.14			.08	0.70
Brandywine	do															.75	.15	.10							.10					.05			1.15
Harpers Ferry |||	do																	.03	.03										T	.02		.18	0.26
Kearneysville	do								T								.05	.16						T							.20		0.41
Martinsburg |||	do									.02	T.						.02	.08	.25						.02	T.						.08	0.47
Moorefield	do																.08																0.08
Piedmont	do									T.									.05						T.	.09			.04				0.18
Romney|||	do																																
Stony River Dam	do																.20		.14						.24	.08			.10			.08	0.84
Upper Tract	do															T		T.								T.							....
Wardensville|||	do																		.29						.04					T.		.06	0.39
Northern Division																																	
Aberdeen	Monongahela								T.								T.	.21	.05					.09	T.	T.			.18			.23	0.76
Alma (near)	Ohio									.03								.16						.15		.01			.16			.05	0.56
Alpena	Monongahela																	.27				.10	.09	.04				.16				.04	0.70
Benson	do																	.18						.10	.06				.15			.16	0.65
Bens Run	do								.04	.06								.18						.15					.26		T.	.05	0.74
Brownsville	do									.06							T.	.20	T.					.15	.13	T.			.21			.31	1.06
Bruceton Mills	do																																....
Buckhannon	do								T	.05							T.	.60						.06	.13	T.			.30		T.	.24	1.38
Cairo	Little Kanawha								.02								.02	.14						.10	.02				.22				0.52
Clarksburg|||	do									.03	.01							.01	.13						.14				.11			.10	0.53
Cortland |||	do															.55			.30						.12				.22				1.19
Crawford|||	Little Kanawha									.13								.22						.09	.08				.23		.02	.10	0.87
Creston|||	Monongahela																		.09						.26				.17				0.52
Dam 10, Mon. R.|||	Ohio																		.41						.16				.09			.14	0.80
Dam 12, O. R.|||	do									.11									.20						.14				.35			.07	0.87
Dam 13, O. R.|||	Monongahela									.20									.17						.10	.02			.26			.05	0.80
Dam 15, Mon. R.|||	do									.06	.08							.01	.18						.13	.03			.10			.14	0.73
Davis |||	do									T.							.04		.32	T.					.25	.15			.24	.01		.10	1.11
Elizabeth(D'm 3 LK)	Little Kanawha																	.02							.30				.20			.04	0.56
Elkins***	Monongahela							T.	T.	.01				T				.34	T					.15	.06	T		.16			T.	.10	0.82
Fairmont|||	do									.11	.02							T.	.17						.12	.02			.11			.16	0.71
Glenville |||	Little Kanawha									.03								.05	.22						.27				.18			.04	0.79
Grafton |||	Monongahela																																....
Horner	do								.12									.60						.35					.28				1.35
Horton	do													T.		T.		.21						.10	T.	T.		.08				.07	0.46
Janelew (near)	do																	.20											.30			.30	0.80
Lost Creek	do								T.	.03								.41						.06	T.				.20		T.	.15	0.85
Mannington	do								.09	.09								.10	.01					.11	.05	.01			.14			.19	0.79
Morgantown	do								T.	.60									.40					.20		T.				T.		.42	1.62
New Cumberland|||	Ohio									.16	.03						.01		.30						.19	.08			.36			.20	1.33
New Martinsville	do						.10											.25						.10	.05				.20			.20	0.90
Parkersburg* **	do								.10	.01						T.	.03	.09						.19				.26			T.		0.68
Parsons	Monongahela							.30									.10	.25								T.	*	.23				T.	0.88
Parsons No. 2	do																.11	.26						.11	.10	.05			.18			.15	0.96
Philippi	do																		.28						.25	.02			.20			.12	0.87
Pickens	do								T.					T.	T.			.64						.18	.23	T.			.20		T.	.16	1.41
Roanoke	do									T.							T.	.37						.12	.11				.13		T.	.23	0.96
Rowlesburg|||	do																.17		.28						.19	.04			.20			.14	1.02
Saint Marys|||	Ohio									.06								.06	.14						.21	T.			.25			.06	0.78
Terra Alta	Monongahela								T.	T.							.18	.27	.13					.07	.06	.01			.20			.12	1.04
Thomas |||	do																		.35						.23	.05	T.		.31			.02	0.96
Valley Chapel	do									T.								.20						.05	.08				.18			.18	0.69
Vandalia	do								.07									.25						.18					.15		.20		0.85
Wellsburg	Ohio								.18	T.						T		.33						.13	.06	T.			.36			.14	1.20
West Milford	Monongahela																.02	.14						.08	.07				.13			.11	0.55
Weston	do									.06									.20						.25				.15			.15	0.81
Wheeling|||	Ohio									.11									.16						.29				.31			.12	0.99
Woodlands|||	do									.37								.02	.23						.18	.02			.22				1.04
Southern Division																																	
Arbovale	Great Kanawha									.01				T.		.01		.20						.02	.08				.04	.04		.10	0.50
Bancroft |||	do								.05							.02		.07	.14						.34				.21				0.83
Beckley	do								T.	T.						.32		.05						.22	.13				T.			T.	0.72
Bluefield	do									.16				.01		.43		.12						.28	.43				.08	.23	.03	.12	1.89
Camden-on-Gauley|||	do															.22			.40						.34				.44			T.	1.40
Charleston |||	do									.02						.10	.02		.16						.40				.12				0.82
Clay|||	do																	.10	.35					T.	.30				.17			.08	1.00
Dam 6 G.K |||	do																		.12						.35				.11				0.58
Dam 19 O. R. |||	Ohio								.22								.16	.03	.18					T.	.24				.38			T.	1.21
Dam 20 O. R. |||	do								.10	.15									.10						.18				.30			.02	0.85
Dam 25 O. R. |||	do								.22	.10						.36	.10	.04	.06					.04	.13				.26				1.31
Dam 26 O. R. |||	do								.10							.10	.08		.08					.07	.42				.16				1.01
Gary |||	Big Sandy									.35	.06				.02		.02		.14					.08	.55	.01				.21	.01	.06	1.51
Hinton|||	do									T.	.02					.12			T.						.43				.01	.11		T.	0.69
Huntington |||	Ohio								.10	T.						.22		.10						.17	.03			.02	.18			.05	0.87
Kanawha Falls|||	Great Kanawha																.18		.23						.47				.12			.05	1.05
Kayford|||	do									T.	.06					T.	.13	.01	.22						.54				.08			T.	1.04
Kermit|||	Big Sandy									.10						.16			.10					.12	.38							.03	0.89
Lewisburg	Great Kanawha								T.						.11	T.		T.						.19	.25				T.	.40			0.95
Logan|||	Guyandotte								T.	.20	.15						.78		.07					.03	.50	T.			.03			.08	1.84
Marlinton	Great Kanawha								T.					T.		.32		.72						.18	T.						.08	T.	1.30
Point Pleasant|||	Ohio								.25	.10	T.					.10	.08	T.	.13					.08	.14				.28				1.16
Rainelle	Meadow Creek								T.						T.	.24	.01	.31				T.		.29	.27				T.	.02		.03	1.17
Ravenswood(Dam 22	Ohio								T.	.12						T.	.66		.15					T.	.23				.23				1.39
Richwood	Great Kanawha															.15		.20	.28			T.		T.	.38				.04	.01	T.	T.	1.06
Robertsburg|||	do							T.	.02	.04						.02	.11		.08					.05	.30				.25				0.87
Ryan	do									.01						.08		.21						.25	.06				.24			.01	0.86
Sharples|||	Coal River									.08								.52								.60						.30	1.50
Spencer |||	Great Kanawha							T.									.05		.14					T.	.30				.26			T.	0.75
Sutton	Gauley																	.45						.15	.15				.30				1.05
Union	do								T.	T.						.15								.20	.36					.31		.08	1.10
Wayne |||	Big Sandy								.07							.90	.04	.05						.05	.29				.16			.02	1.58
White Sulpr. Spgs.|||	Great Kanawha																							.40				.05	.35				0.80
Williamson|||	Big Sandy								.07	.20	T.						.02		.13					.10	.38				.02			.01	0.93

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for October, 1930

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	58	66	70	65	68	75	77	70	73	76	76	73	73	72	77	74	67	47	44	37	43	52	46	40	39	59	58	61	53	53	41	60.7
	Minimum	25	21	29	26	22	21	26	45	42	41	32	34	30	40	38	46	40	32	30	21	14	8	15	33	26	15	16	44	35	23	31	29.1
Brandywine	Maximum	70	74	72	65	64	70	71	68	80	78	76	75	74	72	82	72	70	55	50	47	45	40	41	41	40	57	60	70	65	55	51	63.0
	Minimum	28	26	30	31	27	29	30	45	44	40	39	41	35	52	44	48	47	31	27	26	21	13	21	28	25	16	20	40	45	27	29	32.4
Kearneysville	Maximum	62	68	70	67	69	75	81	81	76	80	81	81	80	78	82	81	74	65	57	48	50	54	55	53	46	69	64	71	71	62	60	67.8
	Minimum	35	32	37	45	33	32	33	55	52	52	46	48	45	55	49	59	57	35	32	30	23	23	24	40	31	28	22	47	46	36	39	39.5
Martinsburg§	Maximum	65	65	70	66	60	75	81	70	75	80	80	81	78	78	85	80	85	53	53	50	53	55	55	50	45	63	61	73	58	64	..	67.0
	Minimum	39	36	37	43	36	33	33	43	56	58	48	48	52	53	60	50	55	38	33	30	26	27	24	27	35	33	23	25	45	36	38	39.4
Moorfield	Maximum	70	70	72	74	70	74	82	79	80	82	83	81	78	76	86	83	82	72	57	52	53	55	54	50	51	62	65	72	70	65	58	69.6
	Minimum	31	28	33	35	28	37	30	52	49	48	41	42	38	48	48	54	50	32	30	28	23	13	19	39	31	17	18	18	43	37	36	34.8
Piedmont	Maximum	62	66	68	67	68	73	76	70	77	79	79	75	70	72	75	82	79	71	49	45	44	54	47	43	42	60	62	63	53	58	47	63.7
	Minimum	35	31	37	36	31	30	34	50	50	49	44	45	42	40	49	48	54	49	28	26	21	18	25	39	33	23	28	48	43	30	38	37.2
Romney §	Maximum	66	70	72	70	72	79	80	73	80	82	82	80	79	75	86	85	80	50	55	50	54	52	50	43	46	63	65	70	69	63		67.7
	Minimum	31	29	33	35	28	27	30	47	56	50	42	43	39	43	47	50	50	35	32	28	21	20	20	24	32	20	18	23	42	29	31	34.1
Upper Tract	Maximum	78	75	68	67	68	70	78	80	80	78	78	80	79	78	79	79	75	70	50	48	47	55	51	44	48	50	60	66	70	67	55	66.8
	Minimum	27	27	28	28	28	30	31	29	30	45	44	44	39	37	43	47	40	37	39	25	20	12	20	38	38	40	15	21	48	27	35	32.6
Wardensville	Maximum	63	74	..	..	71	79	79	71	78	80	81	77	77	74	84	83	80	51	53	50	49	54	53	45	48	65	65	71	57	61	..	67.0
	Minimum	30	28	32	..	..	27	30	50	51	48	40	43	37	49	40	48	48	32	26	31	21	16	20	32	34	17	18	35	42	28	30	33.9
Northern Division																																	
Alpena	Maximum	51	67	67	66	71	75	74	66	73	73	75	71	70	73	71	73	64	46	39	39	39	52	44	41	39	..	..	..	..	..	47	69.2
	Minimum	23	21	29	28	24	25	30	49	55	45	34	35	35	41	43	41	43	31	29	21	14	8	13	31	24	13	22	44	32	25	28	30.2
Bens Run	Maximum	60	69	73	72	78	72	78	76	77	82	82	82	83	84	76	78	72	56	54	52	47	52	49	51	56	62	67	68	64	60	54	67.3
	Minimum	37	39	47	43	39	38	44	55	56	57	52	50	48	52	53	52	48	37	35	24	26	23	29	42	34	27	26	54	44	31	37	41.3
Buckhannon	Maximum	58	64	66	66	68	72	75	70	72	77	78	76	73	72	71	73	70	51	42	35	41	48	46	45	44	55	64	62	62	55	44	61.2
	Minimum	33	31	38	38	35	35	41	52	54	55	45	44	42	47	51	50	50	35	34	23	22	17	25	38	34	20	24	50	44	30	31	37.8
Cairo	Maximum	63	72	74	76	78	71	77	67	77	85	87	85	85	84	78	81	74	51	52	48	51	57	43	49	50	63	68	66	57	56	47	65.8
	Minimum	29	28	36	50	38	31	38	52	56	51	43	39	39	46	45	44	47	28	25	17	19	13	34	38	29	17	20	52	38	24	35	35.5
Clarksburg §	Maximum	58	72	73	70	72	82	78	74	78	80	81	81	82	81	75	80	67	47	49	45	46	54	47	48	42	62	64	65	53	57	45	64.8
	Minimum	34	31	37	40	34	33	38	48	49	45	47	44	41	44	47	47	51	33	29	18	19	14	21	34	34	18	20	26	39	26	30	31.5
Creston	Maximum	62	71	74	75	77	81	78	73	79	84	86	84	85	84	88	81	74	51	51	47	51	55	47	51	49	63	67	67	61	54	45	67.6
	Minimum	32	29	26	34	31	37	38	55	56	56	43	42	38	45	47	41	44	30	25	17	19	13	21	29	27	17	20	52	38	23	39	34.4
Elkins	Maximum	56	67	68	66	71	78	76	68	75	76	79	74	74	77	74	75	66	45	43	41	42	51	43	43	40	60	61	64	50	51	38	61.0
	Minimum	30	30	35	33	31	31	35	53	48	50	42	39	37	45	47	47	38	35	34	22	20	11	22	35	22	17	21	43	39	28	31	34.0
Fairmont§	Maximum	61	72	73	73	75	82	83	73	75	85	85	84	89	87	78	81	67	48	50	51	49	54	45	47	50	63	63	63	52	61	43	66.5
	Minimum	37	33	37	40	35	35	41	49	51	51	45	47	45	48	49	52	56	33	34	23	24	18	23	34	33	23	25	31	43	29	30	37.4
Glenville	Maximum	67	75	77	82	80	83	76	77	79	78	88	88	89	88	83	82	78	53	48	51	53	57	70	50	51	65	69	68	64	58	50	70.3
	Minimum	30	28	34	39	28	27	32	48	54	52	42	39	34	42	45	43	44	26	26	23	24	12	20	36	27	15	19	49	41	26	36	33.6
Lost Creek	Maximum	64	73	75	70	77	82	80	75	80	83	85	82	80	85	80	80	73	50	54	47	50	55	51	48	50	63	62	55	54	57	48	66.9
	Minimum	30	27	35	35	31	30	36	49	49	52	41	46	49	45	46	47	43	35	31	19	18	12	20	37	31	15	19	49	39	23	32	34.6
Mannington	Maximum	58	66	69	67	70	75	75	71	70	78	81	79	80	80	75	78	73	49	48	46	47	49	43	48	45	55	62	61	59	55	46	63.3
	Minimum	29	26	35	34	29	29	36	48	50	54	45	42	39	44	44	45	45	29	28	17	18	12	25	38	33	17	18	52	35	24	36	34.3
Morgantown	Maximum	55	68	67	66	69	78	81	74	74	76	79	81	81	78	78	75	71	48	47	45	44	50	46	44	42	44	58	61	61	56	45	62.7
	Minimum	30	30	40	42	38	44	52	57	54	47	47	49	53	50	52	55	45	35	33	24	33	18	27	25	30	25	23	32	33	30	31	38.3
New Cumberland§	Maximum	59	68	70	68	70	75	75	62	75	78	84	81	82	83	82	81	71	45	46	46	44	51	42	45	46	57	67	59	55	56	..	64.4
	Minimum	36	36	37	42	40	38	39	40	50	54	49	50	47	47	49	51	53	36	34	24	26	20	23	33	31	22	25	33	41	30	32	37.7
New Martinsville	Maximum	61	73	71	70	73	82	77	69	78	81	86	86	87	87	76	82	75	67	59	49	46	56	55	51	50	62	67	65	59	57	48	67.6
	Minimum	52	38	45	48	39	35	49	55	54	56	51	50	46	50	49	50	47	32	32	26	27	22	32	38	34	25	24	52	34	29	37	40.7
Parkersburg	Maximum	60	68	70	69	73	76	75	67	77	80	83	81	81	84	71	79	68	50	50	45	46	54	43	49	46	59	67	61	52	54	46	64.1
	Minimum	38	38	45	47	43	43	49	57	60	58	55	53	50	54	55	53	42	40	36	28	29	23	34	41	31	26	31	49	42	33	37	42.6
Parsons	Maximum	65	69	77	76	89	85	89	84	85	85	88	84	84	83	84	80	64	52	46	51	47	60	45	44	47	69	65	65	52	59	38	68.1
	Minimum	32	33	31	35	31	28	27	50	48	50	42	48	40	39	40	40	32	29	28	23	20	14	21	37	24	17	21	43	40	29	30	33.0
Pickens	Maximum	54	40	50	60	41	47	61	56	62	75	65	62	67	64	54	60	38	33	34	30	20	55	50	56	54	62	61	63	49	56	58	52.8
	Minimum	23	25	32	34	31	32	39	40	32	38	37	32	38	32	46	42	33	22	22	15	15	9	20	27	15	20	30	46	39	25	30	29.5
Terra Alta	Maximum	55	64	67	64	65	73	73	70	72	74	76	70	71	73	74	71	65	45	41	39	40	48	41	39	35	57	56	57	53	59	44	58.9
	Minimum	28	26	31	36	29	30	33	52	45	40	35	37	37	42	40	49	45	31	29	20	15	11	16	31	25	17	20	15	35	23	30	31.7
Wellsburg	Maximum	58	65	69	67	67	74	75	68	74	77	81	80	79	80	79	78	69	45	46	44	44	59	43	48	46	51	65	63	55	53	47	62.8
	Minimum	31	32	38	35	30	30	34	48	50	53	46	43	39	43	45	45	46	29	34	21	21	16	20	36	29	18	20	52	32	25	36	34.7
Weston	Maximum	65	70	75	75	78	76	78	74	75	78	79	78	79	80	79	74	68	65	49	49	45	50	48	46	46	62	75	72	61	60	58	66.7
	Minimum	34	32	38	30	35	30	38	39	40	38	40	35	42	40	39	42	50	35	32	21	22	18	25	35	34	20	30	25	42	40	40	34.2
Wheeling§	Maximum	60	74	78	76	80	84	78	65	79	84	89	87	89	86	83	84	66	49	50	51	52	59	40	52	54	55	69	61	55	60	..	68.3
	Minimum	32	32	39	35	44	32	34	41	49	50	46	46	42	44	45	47	50	32	32	25	19	17	20	32	29	19	20	30	35	25	26	34.5
Southern Division																																	
Beckley	Maximum	74	73	73	71	74	78	75	72	72	77	79	79	77	77	75	74	71	68	68	64	62	61	60	60	59	64	65	66	65	64	62	69.6
	Minimum	27	22	25	26	31	33	39	55	56	39	45	42	46	54	54	42	41	20	19	23	22	14	17	25	31	18	28	40	43	15	30	33.0
Bluefield	Maximum	65	70	73	74	..	78	73	66	68	76	80	..	77	72	71	75	70	52	..	53	47	55	53	45	43	..	63	61	56	55	44	63.9
	Minimum	34	35	38	41	..	45	50	50	53	53	48	..	45	56	55	56	50	33	..	28	29	19	32	36	33	..	22	48	45	30	29	40.5
Charleston§	Maximum	72	80	82	82	84	88	72	72	74	92	90	90	88	94	88	88	66	60	58	60	60	64	48	52	60	72	78	76	60	64	54	73.2
	Minimum	40	38	40	42	42	42	42	48	58	58	52	50	48	48	54	54	54	38	32	27	27	24	24	35	36	25	30	32	47	32	32	40.5
Gary §	Maximum	66	72	73	74	77	81	76	66	70	77	82	77	78	77	71	77	72	53	58	50	48	57	46	45	48	67	68	62	53	58	39	65.1
	Minimum	36	34	34	37	39	39	41	45	54	54	52	47	45	44	53	51	51	32	25	25	28	18	19	35	32	21	25	28	44	30	30	37.2
Hinton §	Maximum	..	..	..	..	..	..	..	..	..	..	70	76	77	82	76	77	73	54	57	53	51	57	46	45	49	66	67	71	60	57	44	62.3
	Minimum	37	31	36	38	38	39	40	43	54	57	52	45	45	45	58	53	51	31	25	29	29	20	20	35	33	24	25	27	43	30	31	37.6
Huntington	Maximum	64	71	76	75	79	79	74	72	77	85	85	84	81	84	79	81	71	71	53	57	54	55	47	50	52	65	69	70	60	60	50	68.7
	Minimum	40	38	43	44	42	42	50	58	62	57	54	51	48	51	61	55	52	39	36	26	32	21	39	42	33	27	30	52	45	31	37	43.4
Lewisburg	Maximum	63	67	72	71	71	76	70	69	71	76	79	75	74	75	68	79	72	53	55	53	47	52	59	45	45	61	65	69	63	55	51	64.4
	Minimum	28	30	33	37	35	37	37	49	48	55	44	42	40	57	55	45	46	33	32	26	21	10	22	37	33	17	21	43	40	28	33	35.0
Marlinton	Maximum	60	64	66	68	70	74	66	60	70	74	76	70	68	72	70	70	62	41	44	42	40	38	36	38	38	56	56	60	51	52	40	58.0
	Minimum	26	24	28	30	28	25	28	38	46	52	42	34	32	50	52	42	40	26	24	20	18	8	16	32	26	10	12	42	38	28	30	31.6
Point Pleasant	Maximum	67	73	72	75	79	82	74	74	82	85	86	87	86	85	80	82	76	55	53	50	52	52	53	53	51	65	69	70	63	60	53	69.2
	Minimum	34	33	41	41	37	36	46	53	58	53	48	48	43	48	55	57	48	32	31	26	25	20	30	39	30	20	28	48	40	29	35	39.1
Rainelle	Maximum	78	73	75	70	75	78	70	66	69	76	80	75	74	76	71	75	69	47	51	47	44	54	38	42	43	62	64	67	57	54	41	63.3
	Minimum	..	..	..	..	..	..	31	48	42	49	41	37	32	47	52	43	42	25	19	22	18	9	18	35	30	13	15	39	42	20	31	31.9
Ravenswood	Maximum	66	71	73	74	78	81	78	75	78	83	85	83	84	84	82	80	76	54	51	50	50	51	52	50	49	61	66	65	65	55	47	67.9
	Minimum	35	33	41	39	36	36	45	56	59	34	48	46	43	44	53	52	49	32	36	22	25	19	29	40	32	22	28	52	43	29	38	35.6
Richwood	Maximum	58	68	67	69	74	76	69	67	72	82	79	79	77	78	71	74	66	45	46	46	45	52	43	40	43	64	64	70	71	52	.	63.6
	Minimum	33	34	33	36	35	34	40	38	44	43	35	41	42	50	55	44	46	31	28	23	23	17	28	37	32	20	18	19	46	25	26	34.1
Robertsburg§	Maximum	65	71	76	76	78	82	78	76	83	85	86	86	88	86	82	76	66	43	45	50	50	58	45	50	50	65	68	69	55	58	40	67.4
	Minimum	37	35	38	40	36	38	43	56	58	49	50	46	44	48	52	51	56	31	27	21	25	20	20	28	33	21	21	33	44	28	31	37.4
Ryan	Maximum	65	75	70	75	77	80	80	70	75	85	85	85	85	85	85	75	80	65	52	43	45	50	55	45	45	55	60	60	65	55	55	65.1
	Minimum	30	28	35	34	32	33	40	54	56	50	55	54	38	50	50	50	41	27	22	16	20	13	23	38	27	17	21	41	41	23	42	35.5
Spencer §	Maximum	61	71	73	72	75	79	74	71	78	83	83	82	84	85	77	81	68	51	52	48	49	49	45	50	48	62	65	67	51	59	41	65.7
	Minimum	34	32	34	39	35	36	44	52	60	55	47	46	42	43	51	48	50	34	32	20	23	16	20	31	31	20	24	50	43	25	40	37.4
Sutton	Maximum	66	70	72	72	71	70	75	75		..	..	..	..	.	74	77	77	60	50	48	47	49	49	47	47	62	65	65	65	52	51	62.2
	Minimum	36	34	37	39	36	35	33	35	..	..	.	..	..	..	55	47	46	30	27	20	21	15	22	38	31	18	21	52	44	17	27	32.8
Union	Maximum	77	71	73	75	..	78	79	70	65	77	81	..	82	78	79	77	75	73	..	58	54	54	55	44	48	..	66	67	64	54	50	67.6
	Minimum	29	32	33	37	..	36	40	51	49	50	44	..	41	57	53	45	45	33	..	24	23	11	23	38	34	.	12	43	45	29	32	36.7
White Sulphur Spgs§	Maximum	70	74	73	71	76	76	70	75	78	82	79	72	74	70	80	70	57	53	52	37	51	39	41	44	60	65	70	75	57	70	..	65.4
	Minimum	27	30	33	33	32	33	35	45	48	43	39	37	43	53	44	43	30	28	27	23	10	13	32	35	15	17	22	45	32	32	29	32.5
Williamson§	Maximum	79	76	78	77	81	83	76	70	75	80	81	80	76	79	76	76	68	54	53	52	51	55	48	49	51	63	73	69	55	57	..	68.0
	Minimum	42	42	43	43	43	43	42	48	48	49	49	45	42	47	51	49	48	32	31	30	34	25	30	42	39	27	28	41	48	30	33	40.1

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.167	.067	.088	.101	.144	.054	.122	.056	.042	.054	.111	.111	.189	.100	.148	.072	.088	.042	.123	..	..	....	....	....	.067	....	....	....	.056	.022	.101	2.135
	Wind movement	58	48	11	40	52	36	12	10	15	12	29	28	31	34	23	28	22	53	135	154	46	39	17	35	82	40	14	62	28	35	98	1,329

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 11-25-30—900)

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXVIII PARKERSBURG, W. VA., NOVEMBER, 1930 No. 11

GENERAL SUMMARY

The precipitation averaged only about one-half the normal, making the eleventh consecutively dry month. While the precipitation was insufficient to reach the smaller rivers, soil conditions were excellent for outdoor work. The snowfall, however, was more than twice the normal, winter grains being well protected during the cold period of the month. The greatest amounts of snowfall for the month were as follows: Horton, 25 inches; Pickens, 33 inches; Richwood, 17.5 inches; Alpena, 16.5 inches. Most of the snow melted before the close of the month. The temperature averaged near the normal. The month was characterized by a long period of moderately warm weather, and a rather short period of decidedly cold weather for November, the temperature falling to below previous State November records at many stations. There was ample sunshine, the number of clear days for the State being near the normal.

TEMPERATURE

The monthly mean for the State, determined from 49 stations, was 42.3°. The departure from the normal for 39 stations having ten or more years of record was —0.2°. Low temperature continued from October until the 8th, the temperature being the lowest for that period on the 6-7th. It was decidedly cold from the 25th to the 31st, with a cold wave on the 27-28th, when the temperatures were from near zero to more than 10° below zero. A prolonged period of warm weather prevailed from the 10th to the 23d, the temperature being the highest on the 14th, 19th and 21st.

PRECIPITATION

The average precipitation for the State, determined from 84 stations, was 1.42 inches. The departure from the normal for 56 stations having ten or more years of record was —1.38 inches. The precipitation was greatest over the mountain regions and least over the eastern panhandle and the Ohio River counties. The bulk of the precipitation was measured on the 4-5th, 12-13th, 16-18th, 22d, 25-27th, and 30th, the greatest amounts being on the 5th and 25-26th. Snow, moderately heavy in most of the mountain regions, occurred from the 24th to the 27th. The falls were generally light in most of the agricultural districts.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, 5th; Arbovale, 12th and 18th; Bancroft, 19th; Beckley, 18th; Clay, 13th, 18th, and 19th; Elkins, 13th, 15th, 17th, 18th, and 19th; Fairmont, 18th, 19th, and 20th; Glenville, 15th, 17th, and 20th; Hinton, 13th, 19th, 21st, and 24th; Huntington, 12th, 15th, and 18th; Marlinton, 17th, 19th, and 21st; Martinsburg, 22d; New Cumberland, 4th, 15th, 18th, 19th, and 20th; Parkersburg, 13th and 18th; Point Pleasant, 7th, 13th, and 18th; Robertsburg, 12th and 13th; Spencer, 18th; Terra Alta, 5th, 13th, 18th, 19th, and 21st; Wellsburg, 14th; Williamson, 20th.

Halos, lunar: Elkins, 2d and 3d.

Sleet: Arbovale, 4th; Marlinton and Piedmont, 30th.

Smoke, light: Lost Creek, 9th to the 12th; Mannington, 9th to the 11th.

Thunderstorms: New Cumberland and Parkersburg, 17th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.17	58	60	65	142.0	47	4,726	6.6	24	sw.	26
Columbus, Ohio	30.16	81	62	66	153.9	51	7,394	10.3	37	w.	26
Elkins	30.26	92	61	70	152.6	51	2,995	4.2	22	nw.	5
Lexington, Ky	30.21	79	63	...	148.9	43	8,510	11.8	36	sw.	30
Parkersburg	30.20	80	53	67	118.6	39	3,529	4.9	24	sw.	26
Pittsburgh, Pa	30.19	76	60	64	135.2	46	6,209	8.6	34	nw.	30
Wytheville, Va	30.22	82	64	69	118.0	39	3,755	5.2	24	sw.	25

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 01 inch or more	Clear	Partly Cloudy	Cloudy
1891	42.5	80	8	3.04							
1892	41.7	81	3	3.10	......	......	......	8	......	......	......
1893	41.4	74	3	2.12	3.22	0.47	......	......	......	......	......
1894	39.8	82	5	2.11	3.47	0.25	......	8	13	6	11
1895	44.6	**87**	12	2.35	4.00	0.20	......	8	12	6	12
1896	48.1	80	10	3.50	5.07	1.56	......	9	12	8	10
1897	45.0	76	13	4.45	7.15	0.30	......	8	10	8	12
1898	41.4	75	— 3	2.84	4.74	1.00	......	13	9	9	12
1899	45.6	76	14	1.93	3.49	0.20	......	10	9	11	10
1900	45.5	86	9	5.20	8.88	2.71	T.	8	11	9	10
1901	38.0	79	7	2.51	5.35	1.23	2.8	10	8	8	14
1902	50.3	83	12	3.27	4.56	1.23	4.3	7	8	6	16
1903	38.0	80	— 4	2.46	4.98	0.67	0.7	7	11	6	13
1904	41.2	75	9	0.64	3.05	0.07	4.6	9	11	8	11
1905	41.8	74	10	2.44	5.67	0.67	1.4	4	12	7	11
1906	44 2	84	13	2.39	5.50	0.35	T	9	13	7	10
1907	41.8	74	13	3.40	7.05	1.41	2.2	6	15	5	10
1908	43.3	81	0	1.14	2.73	0.48	1.0	9	10	8	12
1909	49.1	84	12	1.34	3.85	0.23	5.2	5	15	8	7
1910	**37.3**	75	5	1.95	4.41	0.66	0.2	7	14	7	9
1911	40.5	83	7	2.74	5.54	1.27	1.8	9	8	7	15
1912	42.8	78	2	1.69	4.08	0.40	2.0	8	10	7	13
1913	44.5	82	— 1	4.49	7.50	0.61	0.9	6	14	7	9
1914	42.6	84	2	1.32	2.27	0.50	13.4	10	12	5	13
1915	45.2	85	11	3.06	5.99	1.15	2.9	5	16	6	3
1916	43.8	81	8	1.77	3.07	0.75	1.1	9	13	8	9
1917	39.6	78	0	0.89	3.65	**0.05**	0.3	6	16	5	9
1918	42.9	79	12	1.89	4.60	0.64	1 5	10	16	4	10
1919	44.4	80	10	4.51	7.53	0.85	0.2	6	13	5	12
1920	41.6	80	5	3.21	5.69	1.47	0.3	10	12	6	12
1921	46.1	85	11	5.99	8.81	2.52	4.1	10	9	4	17
1922	43.8	80	2	1.15	2.49	0.17	0.8	13	7	6	17
1923	42.3	73	10	3.49	5.35	1.70	1.3	6	12	4	14
1924	42.9	87	9	2.05	4.11	0.45	0.7	11	13	3	14
1925	40.6	78	6	3.66	6.62	0.65	4.1	9	10	6	14
1926	40.7	82	4	3.59	6.67	1.59	0.9	9	11	5	14
1927	**48.1**	82	7	4.35	7.61	0.91	0.6	9	10	5	15
1928	44.0	81	9	3.31	**9.41**	0.65	1.6	12	7	7	16
1929	42.9	83	— 9	4.52	8.10	1.74	2.9	12	6	6	18
1930	42.3	80	**—14**	1.42	4.45	0.46	3.6	13	7	5	18
							4.8	9	11	6	13
1891-1930	43.0	87	—14	2.78	9.41	0.05	2.3	9	12	6	12

Climatological Data for November, 1930

				Temperature, in degrees Fahr.							Precipitation, in inches				Number of days					
STATIONS	COUNTIES	Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	OBSERVERS
Panhandle Division																				
Bayard	Grant	2,375	29	37.5	−0.7	73	21	−14	29	63	1.03	−1.81	0.26	5.0	10	5	12	13	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	14	41.6	0	70	14†	0	29	42	1.10	−0.69	0.65	1.0	6	16	0	14	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	41	...	...	...	...	...	...	...	0.74	−1.53	0.47	T.	6	...	...	...	...	J. C. Newcomer
Kearneysville ††	Jefferson	548	0	45.0	...	71	9	5	29	42	0.41	...	0.65	...	3	10	8	10	e.	F. J. Schneiderhan
Martinsburg	Berkeley	435	38	^{a}44.6	+1.9	72^{a}	9	6	29	52^{a}	0.75	−1.51	0.55	T.	6	20	9	1	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	34	43.6	−0.1	74	9	−1	29	55	0.67	−0.97	0.45	T.	3	24	3	3	...	M. S. Henkel
Piedmont	Mineral	1,053	17	40.5	−1.4	68	10†	−2	29	45	1.07	−0.94	0.32	4.0	8	10	7	13	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	32	^{a}41.6	−1.1	72^{a}	18	−1	29	55^{a}	0.66	−1.30	0.45	T.	3	11	5	14	...	George E. Bergdoll
Stony River Dam	Grant	3,300	10	...	...	...	...	...	...	...	1.68	−1.55	0.40	13.5	12	7	4	19	w.	A. C. Becker
Upper Tract	Pendleton	1,230	31	^{b}41.0	−2.9	75^{b}	21†	−1^{b}	29	52^{b}	...	...	...	...	...	...	...	...	...	J. M. Mallow
Wardensville	Hardy	1,200	13	^{c}41.8	...	70^{c}	14†	0^{c}	29	47^{d}	1.17	...	0.96	T.	5	8^{c}	10^{c}	9^{c}		Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	6	...	...	...	...	...	...	...	1.29	...	0.26	4.1	10	9	11	10	w.	L. Else Bond
Alma (near)	Tyler	...	3	...	...	...	...	...	...	...	0.76	...	0.18	1.5	12	13	5	12	...	D. N. Furbee
Alpena	Randolph	2,571	0	36.7	...	68	21	−8	29	49	2.24	...	0.48	16.5	11	12	9	9	w.	Christian Hertig
Benson	Harrison	1,080	6	40.9	...	72	19†	−4	29	49	1.21	...	0.40	3.0	11	13	8	9	...	John A. Clark
Bens Run	Pleasants	652	28	44.6	+1.3	75	19	7	29	45	1.09	−1.76	0.18	6.0	11	15	4	11	...	J. D. Riggs
Brownsville	Lewis	1,032	7	41.8	...	78	21	−3	29	54	1.48	...	0.40	4.0	10	18	2	10	...	George M. Meyers
Buckhannon	Upshur	1,411	33	41.2	−0.2	72	19	−2	29	47	1.74	−1.71	0.60	6.5	8	16	2	12	...	H. A. Darnall
Cairo	Ritchie	680	29	42.4	−1.4	78	19†	−2	29	54	1.00	−1.67	0.34	3.5	11	6	16	8	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	8	40.4	...	74	19	−2	29	52	1.03	...	0.40	3.0	7	11	7	12	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	G. W. Harmon
Crawford	Lewis	1,107	7	...	...	...	...	...	...	...	1.26	...	0.26	3.0	13	13	8	9	w.	George W. Blair
Creston	Wirt	640	28	42.7	−1.0	77	19	−1	29	51	1.09	−1.41	0.24	2.5	9	18	0	12	...	J. M. Reed
Dam 10 Mon. R.	Marion	826	9	...	...	...	...	...	...	...	1.03	...	0.39	0.5	7	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	14	...	...	...	...	...	...	...	0.54	−2.30	0.25	...	7	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	14	...	...	...	...	...	...	...	0.46	−2.26	0.22	...	6	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	9	...	...	...	...	...	...	...	0.93	...	0.61	3.0	8	...	...	...	...	Lockmaster
Davis	Tucker	3,093	21	...	...	...	...	...	...	...	1.69	−1.52	0.43	...	12	...	...	...	...	Ross C. Male
Elizabeth (Dam 3 L. K.)	Wirt	615	18	...	...	...	...	...	...	...	0.99	−1.48	0.37	1.5	7	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	29	38.7	−1.6	70	21	−8	29	50	1.46	−1.32	0.33	9.1	14	8	5	17	w.	U. S. Weather Bureau
Fairmont	Marion	883	24	42.4	0	78	19	4	29	47	1.01	−1.86	0.47	2.8	6	10	8	12	w.	J. C. Robinson
Glenville	Gilmer	738	36	44.4	+0.8	77	19	1	29	52	1.60	−1.38	0.46	4.2	9	10	7	13	w.	Howard R. Brannon
Horner ††	Lewis	1,044	7	...	...	...	...	...	...	...	1.10	...	0.75	T.	5	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	5	...	...	...	...	...	...	...	3.08	...	0.83	25.2	10	13	0	17	w.	J. W. White
Janelew (near)	Lewis	1,020	7	42.9	...	76	19	−4	29	56	1.20	...	0.50	5.0	4	14	4	12	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	32	41.8	−0.4	76	19	−6	29	56	1.21	−1.29	0.48	3.2	8	13	3	14	w.	Allen Smith
Mannington	Marion	985	27	40.8	−0.5	72	21	−4	29	48	1.30	−1.20	0.44	2.6	14	11	4	15	w.	Jas. A. Morgan
Morgantown ††	Monongalia	1,250	37	44.3	+0.9	72	21†	6	27†	38	0.81	−2.07	0.45	T.	4	12	3	15	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	32	^{a}41.0	−0.3	73^{a}	21	4	29	44^{a}	0.66	−1.46	0.30	2.5	10	7	11	12	s.	C. H. Hesse
New Martinsville	Wetzel	634	36	44.5	0	78	19	7	29	45	0.88	−1.76	0.20	T.	6	12	5	13	s.	Wm. Ankrom
Parkersburg	Wood	638	43	44.8	+1.0	74	19	8	27	38	1.11	−1.46	0.35	1.8	8	8	7	15	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	30	41.3	+0.4	80	21	−7	29	56	1.15	−1.39	0.27	7.0	8	15	1	14	...	J. W. Swisher
Parsons No. 2	Tucker	...	4	...	...	...	...	...	...	...	1.25	−1.29	0.33	7.5	12	14	7	9	...	Robert T. Deem
Philippi	Barbour	1,550	33	...	...	...	...	...	...	...	0.91	−1.88	0.18	5.4	10	...	...	...	...	Prof. W. W. Thomson
Pickens	Randolph	2,697	27	40.2	+0.8	71	19†	−4	28†	51	4.45	+0.21	1.00	33.0	11	10	5	15	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	7	...	...	...	...	...	...	...	1.41		0.45	5.0	9	16	3	11	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	43	...	...	...	...	...	...	...	1.54	−1.54	0.64	9.5	11	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	21	...	...	...	...	...	...	...	0.86	−1.62	0.26	1.5	13	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	29	37.8	−3.7	68	21	−12	29	51	1.79	−1.29	0.32	8.8	15	7	5	18	w.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	1	...	...	...	...	...	...	...	1.07	...	0.34	12.0	9	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	7	43.0	...	73	19	−1	29	44	1.07	...	0.35	3.5	9	16	5	9	w.	J. C. Campbell
Vandalia	Lewis	1,120	7	...	...	...	...	...	...	...	1.15	...	0.26	3.0	7	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	23	41.2	−0.1	71	21	0	28	44	0.59	−1.82	0.26	2.0	6	8	10	12	w.	George P. Pfister
West Milford	Harrison	979	5	...	...	...	...	...	...	...	1.34	...	0.50	6.0	8	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	35	42.8	−0.5	72	19	1	29	49	1.35	−1.98	0.44	...	8	1^{c}	18^{c}	8^{c}	...	Weston State Hospital
Wheeling	Ohio	645	43	41.8	−0.3	77	19	0	29	54	0.65	−1.86	0.25	1.9	9	10	7	13	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	3	...	...	...	...	...	...	...	0.93	...	0.35	1.0	10	16	1	13	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	4	...	...	...	...	...	...	...	2.05	...	0.62	5.2	12	13	3	14	s.	H. S. Sutton
Bancroft	Putnam	574	26	44.1	−0.4	78	19	6	27	48	0.94	−1.46	0.50	1.2	9	15	0	15	ne.	R. E. Dent
Beckley	Raleigh	2,440	27	46.2	+3.8	72	21	1	27	62	1.61	−0.75	0.33	5.0	8	12	6	12	...	L. A. Mauck
Bluefield ^{f}	Mercer	2,558	35	43.4	−1.0	71	18	3	28	41	2.71	+0.43	0.70	4.8	13	12	7	5	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	15	...	...	...	...	...	...	...	1.57	−2.13	0.44	5.0	6	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	27	46.5	−1.3	80	18†	9	27	53	1.37	−1.75	0.50	1.5	8	12	0	18	...	R. O. Fields
Clay	Clay	706	14	...	...	...	...	...	...	...	2.05	−1.04	0.49	9.5	9	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	4	...	...	...	...	...	...	...	1.24	...	0.40	1.5	6	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	14	...	...	...	...	...	...	...	0.92	−2.44	0.43	...	10	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	14	...	...	...	...	...	...	...	1.06	−2.03	0.33	...	11	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	3	...	...	...	...	...	...	...	1.27	...	0.35	...	14	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	14	...	...	...	...	...	...	...	1.03		0.25	1.0	11	...	...	...	...	U. S. Engineers Office
Gary	McDowell	1,426	14	43.2	−1.4	77	18	1	27	48	2.46	−0.48	0.66	2.0	14	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	33	^{d}43.2	−0.8	72	18	...	...	48^{d}	1.85	−0.35	0.46	0.5	11	7	6	17	...	Mrs. M. L. McClung
Huntington	Cabell	538	33	47.6	+4.0	78	18	8	27	44	1.23	−1.56	0.27	2.2	13	9	8	13	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	11	...	...	...	...	...	...	...	2.14	−1.43	0.95	...	8	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	14	...	...	...	...	...	...	...	2.45	−1.40	0.60	8.5	12	...	...	...	...	Cabin Creek. Con Coal Co
Kermit	Mingo	579	4	...	...	...	...	...	...	...	1.62	...	0.50	2.0	10	...	...	...	...	E. B. Kirk
Kingston	...	...	0	...	...	...	...	...	...	...	1.50	...	0.33	5.0	7	17	0	13	...	...
Lewisburg	Greenbrier	2,250	30	40.8	−0.7	66	18	4	29	44	1.61	−0.92	0.48	4.0	11	8	5	17	s.	Geo. T. Argabrite
Logan	Logan	700	27	...	...	...	...	...	...	...	1.87	−1.00	0.73	2.2	10	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	31	34.8	−2.8	66	21	−4	29	50	1.67	−1.44	0.38	5.5	9	11	9	10	sw.	S. L. Brown
Point Pleasant	Mason	595	37	46.4	+1.4	78	19†	5	27	47	1.64	−1.16	0.28	3.6	12	11	9	10	w.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	0	38.4	...	72	18	−7	29	54	2.89	...	1.02	10.4	13	17	1	12	...	H. M. Word, Jr.
Ravenswood (Dam 22)	Jackson	584	7	45.6	...	79	23	7	29	49	1.28	...	0.33	3.3	10	16	0	14	se.	Lockmaster
Richwood	Nicholas	2,193	0	^{a}40.5	...	71^{a}	18	3	28	45^{a}	3.31	...	0.90	17.5	13	6	2	22	...	Cherry River Paper Co.
Robertsburg	Putnam	570	30	42.6	−0.6	76	18	7	27†	48	1.18	−1.19	0.42	1.0	8	13	0	17	...	M. Frazier
Ryan	Roane	700	27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Wm E. Ryan
Sharples	Logan	...	10	...	...	...	...	...	...	...	1.85	−1.62	0.58	...	7	...	...	...	...	R. W. Howard
Spencer	Roane	789	26	44.4	+1.0	74	21	6	29	46	1.55	−0.93	0.42	5.0	8	8	5	17	...	A. M. McKown
Sutton	Braxton	850	24	42.6	−1.2	73	20†	1	29	51	2.36	−1.60	0.55	6.0	11	19	0	11	...	C. B. Eakle
Union ^{e}††	Monroe	2,250	26	42.0	+1.0	67	14	6	27†	45	2.09	−0.29	0.61	5.0	12	7	4	14	...	W. M. H. Young
Wayne	Wayne	598	3	...	...	...	...	...	...	...	1.63	...	0.45	T.	13	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	20	^{a}37.4	−5.0	65^{a}	17	1	28	48^{a}	1.71	−0.69	0.40	T.	9	15	7	8	...	A. P. Spence
Williamson	Mingo	673	30	^{a}45.8	+0.6	75^{a}	19	6	27	42^{a}	2.40	−0.19	0.65	2.3	15	11	7	12	se.	Mrs. T. W Lowe
State averages and	extremes	...	...	42.3	−0.2	80	18†	−14	29	63	1.42	−1.38	1.02	4.8	9	11	6	13	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for November, 1930

Stations	Drainage-basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac				.26	.04							T.	.06		T.	.03	.09					.03			.09	*	.21			.22		1.03
Brandywine	...do				.65								*	.10			.10	T.									.10				.15		1.10
Harpers Ferry‖	...do					.47	.02							.02			.12	.10	.01							T.	T.						0.74
Kearneysville	...do								T.								.05	.16													.20		0.41
Martinsburg‖	...do					.55								.01			.08	.08	.01		.02						T.	T.	T.				0.75
Moorefield	...do				T.	.45											.12	T.								T.	T.				.10		0.67
Piedmont	...do				.22	.02							T.	.01			.22	.06							.02		.32				.20		1.07
Romney‖	...do					.45								.06				.15								T.	T.	T.					0.66
Stony River Dam	...do	.04				.36								.05	.02		.02	.03	.05				.07			.24	.24	.40	.16				1.68
Upper Tract	...do	T.						.25						T.				T.															
Wardensville‖	...do		T.		.06	.96	T.							.02				.08	.05			T.			T.	T.	T.	T.					1.17
Northern Division																																	
Aberdeen	Monongahela				*	.20							.07	.05		T.		.26	T.				.08			.14	.21	.13	T.		.15		1.29
Alma (near)	Ohio				.12	.06						.04	.03	.05			.04	.18						.03		.03	.04	.03			.13		0.76
Alpena	Monongahela	.04			.31	.02							.10	.07	T.	T.	.03	.01								.32	.48	.48			.28		2.24
Benson	...do				.08	.02							.06	.05				.40	.15				.02			.10	.15	.10			.08		1.21
Bens Run	...do				.11	.12						.05	.07	.01			.15	.16				T.			.05	.08	.11				.18		1.09
Brownsville	...do				.08	.10							.12	.10		T.	T.	.40	.01							.32	.13	.10			.12		1.48
Buckhannon	...do	T			.05	.05						T.	.15				T.	.14					.13			.30	.60				.32		1.74
Cairo	Little Kanawha				.31	.03						.06	.04	.03			.04	.15							.07	.03	.11				.13		1.00
Clarksburg‖	...do					.23								.05					.40				.02			.08	.09	.16	T.				1.03
Cortland‖	...do																																
Crawford‖	Little Kanawha	T.			.14	.05						.03	.11	.05		.02	.03	.26					.15			.16	.07	.06			.13		1.26
Creston‖	Monongahela					.15							.12	.14				.06	.24							.07	.08	.17			.06		1.09
Dam 10, Mon. R.‖	Ohio					.38	.05							.04				.39								.08	.04	.05					1.03
Dam 12, O. R.‖	...do					.13						.03	.03	.25												.05	.01	.04					0.54
Dam 13, O. R.‖	Monongahela						.02					T.	.06	.22					.05								.06	.05					0.46
Dam 15, Mon. R.‖	...do					.17							.03	.02					.61							.02	.04	.03	.01				0.93
Davis‖	...do				.03	.25	.05	T.					.09				.02	.02	.06		.10					.21	.43	.34	.06	.03			1.69
Elizabeth(D'm 3 LK)	Little Kanawha					.37							.03		.14				.04								.12			.13	.16		0.99
Elkins***	Monongahela	T.			.05	.05	T.					T.	.08	.05	T.	.01	.01	.04					.07		.17	.22	.33	.06	.03		.29		1.46
Fairmont‖	...do		T.			.20	T.						T.	.07				T.	.47							.07	.12	.08	T.				1.01
Glenville‖	Little Kanawha					.31								.23			.03	T.	.46				.04			.16	.10	.22			.05		1.60
Grafton‖	Monongahela																										.24	.12			.10		
Horner	...do				.11													.75								.07	.08		.09				1.10
Horton	...do				.40	.16							.08				.09	.05					.06			.46	.72	.83			.23		3.08
Janelew (near)	...do																	.50								.25	.25				.20		1.20
Lost Creek	...do				.18	.04						T.	.07	T.		T.		.48	T.							.08	.08	.09	T.		.19		1.21
Mannington	...do				.12	.10	.01					.03	.03	.01	T.			.42	.02				.04			.11	.10	.07	.03		.21		1.30
Morgantown	...do				T.	.11	T.						T.	.10				.45								T.	T.	T.			.15		0.81
New Cumberland‖	Ohio					.08	.01					T.	.20	.10	T.			.03	.04							.06	.08	.02	T.		.04		0.66
New Martinsville	...do				.20								.15				.08	.10								T.	.15	T.			.20		0.88
Parkersburg***	...do			T.	.27					T.		.10	.04			T.	.01	.20				T.			T.	.09	.05	T.			.35		1.11
Parsons	Monongahela				.27							T.		.08		.02	.07						T.		T.	.16	.16	.24			.15		1.15
Parsons No. 2	...do	T.			.11	.03							.04	.05			.02	.05					.05			.18	.26	.09	.04		.33		1.25
Philippi	...do					.10	.03						.04	.12	T.				.18				.05			.17	.10	.08	.04	T.	T.		0.91
Pickens	...do	.18			.12	.10	T.						.10	.05			T.	.07					.27			.80	.64	.64	.48		1.00		4.45
Roanoke	...do				.13	.09							.09	.10				.45								.27	.17	.06	T.		.05		1.41
Rowlesburg‖	...do	.08				.05	.03							.07	.02			T.	.18				.09	T.		.10	.22	.06	.64				1.54
Saint Marys‖	Ohio	.01		.01		.26						.04	.02	.08			.07	.03	.10				T.			.07	.06	.05			.06		0.86
Terra Alta	Monongahela	.01			.15	.11	T.						.03	.12		.01	.01	.16	.19				.12			.20	.29	.10	.06		.32		1.79
Thomas‖	...do	T.	T.			.34	.04							.04				.01	.04				.08	T.		.12	.22	.18					1.07
Valley Chapel	...do				.06	.03							.10	.05				.35								.08	.22	.06			.12		1.07
Vandalia	...do						.17						.18				.20								.10	*	.24				.26		1.15
Wellsburg	Ohio				.08	.02							.26	.01					T.						.10	.12					T.		0.59
West Milford	Monongahela				.14								.07	.03				.50								.10	*	.35			.15		1.34
Weston	...do	.10				.10								.20					.44				.04			.12	.10	.25					1.35
Wheeling‖	Ohio					.13	.03	T.				.03	.10	.25					.01							.03	.02	.05			T.		0.65
Woodlands‖	...do			.01		.35							.12	.12				.10	.07							.06	.02	.03			.05		0.93
Southern Division																																	
Arbovale	Great Kanawha	.02			.44	T.							.20	.07		.02	.10	.15	.01				.02		T.	.08	.32				.62		2.05
Bancroft‖	...do					.50						.05	.03	.10	.03			.03	.10							T.	.02	.08					0.94
Beckley	...do				.30	T.							.33	T.		.07	T.	.20					.01		T.	.16	.16		.08		.33		1.64
Bluefield	...do				.45	.14							.18	.30		.23		.70	.22				.04			.10	.14		.08	.04	.09		2.71
Camden-on-Gauley‖	...do					.44								.20									.22			T.	.10	.40		.21			1.57
Charleston‖	...do					.26								.26			.06		.50				.08			.04	.02	.15					1.37
Clay‖	...do	.02				.30								.42			.12	.02									.01	.46	.21		.49		2.05
Dam 6 G. K.‖	...do					.29	T.						T.	.28			.11	T.	.40				.04					.12	T.				1.24
Dam 19 O. R.‖	Ohio			.01		.43						.07		.04			T.	.07	.15				.01			T.	.01	.01	T.		.12		0.92
Dam 20 O. R.‖	...do			.02		.33						.11	.17	.03			.02	.17	.10							.02	.03				.06		1.06
Dam 25 O. R.‖	...do			.04		.18	T.					.25	.09	.07	.02		.07	.35	.07	.02						.04	.02	.01			.04		1.27
Dam 26 O. R.‖	...do			.02		.20						.25	.05	.14		T.	.08	.03	.10								.01		.10		.05		1.03
Gary‖	Big Sandy	.15				.46	.02						.05	.42	.01	.20	.08	.06	.66	.01			.08			T.	.15	T.	.11				2.46
Hinton‖	...do	.08				.46							.01	.45	T.	.02	.15	.01	.43				T.			.07	.05	.12	T.				1.85
Huntington‖	Ohio			.03	.09	.04					T.	.16	.27	.05		.24	.03	.13							.02	T.	.08	.02			.07		1.23
Kanawha Falls‖	Great Kanawha	.03				.95								.30					.36				.11			.23	.12				.04		2.14
Kayford‖	...do	.20				.60								.35		T.	.08	.01	.30				.16			.16	.33	.16	.04		.06		2.45
Kermit‖	Big Sandy					.16						.06		.50	.08			.04	.20			.08					.10	.10			.30		1.62
Kingston	Great Kanawha				.26								.33			.15		.11								.16	.24				.25		1.50
Lewisburg	...do	.08			.29								.22	.26		.12	.03	.11	.13	T.						.16	.08				.13		1.61
Logan‖	Guyandotte	.04				.30	T.						T.	.35		.06	.07	.08	.65				.08			T.	.22	.02					1.87
Marlinton	Great Kanawha	.20			.26								.12			.16	.18	.20								.10	.25				.20		1.67
Point Pleasant‖	Ohio			.04		.23						.28	.09	.19		T.	.08	.21	.11							.09	.05	.19	T.		.08		1.64
Rainelle	Meadow Creek	.02			.23	.02							.34	.15		.07	.02	.20								.21	1.02	.21	.15		.25		2.89
Ravenswood(Dam 22	Ohio			.03		.33						.15	T.	.26			.04		.13							.02	.05	.20	T.		.07		1.28
Richwood	Great Kanawha				.37	.04							.07	.24			.02	.01	.08			.12			.67	.46	.90	.05			.28		3.31
Robertsburg‖	...do			T.		.42						.13	.11	.21			.11		.09								T.	.08			.03		1.18
Ryan	...do																																
Sharples‖	Coal River					.06										.10	.15	.56	.58									.20			.20		1.85
Spencer‖	Great Kanawha					.28						.05		.19				.02	.42							.08		.32			.19		1.55
Sutton	Gauley				.20	.20							.18	.10		.10	.05	.35					.15			.16	.32				.55		2.36
Union	...do	.11			.28	.06							.23	.17				.61	.13				.18			.08	.08	.08	.08				2.09
Wayne‖	Big Sandy			.02		.18						.06	.07	.27		.45	.09	.08	.16							.06	.06	.09			.04		1.63
White Sulpr. Spgs.‖	Great Kanawha			.03	.35							.05	.40			.10	.05	.33				.05				T.	T.				.35		1.71
Williamson‖	Big Sandy	.18				.29	.01						.10	.55		.07	.07	.10	.55				.18			.10	.10	.08	.01		.01		2.40

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in the next following measurement.

T Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for November, 1930

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	45	51	51	41	46	43	41	59	62	64	59	55	57	63	64	65	59	66	59	67	73	65	52	46	42	27	19	13	49	50	....	51.8
	Minimum	27	8	15	36	39	21	10	12	21	20	23	34	45	42	34	36	35	34	26	30	30	40	30	11	17	17	2	3	-14	12	....	23.2
Brandywine	Maximum	55	60	52	53	48	55	52	55	60	65	64	57	62	70	68	69	68	70	67	64	70	70	60	54	47	40	25	22	37	44	....	56.1
	Minimum	20	18	12	30	27	18	22	19	24	28	27	34	40	42	45	50	48	42	30	38	32	34	26	20	26	18	10	9	0	27	....	27.2
Kearneysville	Maximum	47	52	54	46	59	54	45	60	71	69	70	58	57	66	64	62	67	69	67	54	64	65	58	56	46	42	37	24	36	45	....	55.5
	Minimum	32	20	21	35	45	31	23	19	34	29	28	44	50	50	54	55	47	53	52	43	33	50	37	24	32	24	27	13	5	23	....	34.4
Martinsburg§	Maximum	50	53	55	55	61	58	48	63	72	70	54	58	60	58	60	61	60	70	58	60	63	65	64	48	40	43	28	25	37	..	....	55.1
	Minimum	35	34	21	23	44	44	23	19	20	29	29	45	46	48	51	54	53	53	53	46	46	50	40	24	24	22	18	13	6	7	....	34.0
Moorfield	Maximum	50	55	56	53	58	55	45	66	74	70	64	60	65	65	70	65	66	73	62	62	72	72	67	60	49	49	31	27	36	53	....	58.3
	Minimum	34	11	16	32	43	32	15	13	19	20	27	38	46	50	42	52	43	36	34	48	37	53	27	17	29	21	11	12	-1	13	....	29.0
Piedmont	Maximum	43	49	51	48	50	42	44	63	64	68	52	58	55	60	62	58	56	68	54	52	64	61	55	43	41	32	24	17	27	39	....	50.0
	Minimum	30	17	21	32	40	25	17	18	25	28	31	41	50	52	47	50	49	47	40	46	42	45	34	21	25	23	10	9	-2	16	....	31.0
Romney §	Maximum	47	55	56	48	55	40	47	68	70	70	55	60	60	65	67	64	60	72	56	58	68	63	64	44	47	39	24	24	35	..	....	54.5
	Minimum	30	13	16	18	40	32	19	14	15	26	28	36	43	49	47	53	47	49	40	45	42	44	38	18	20	20	12	11	-1	1	....	28.8
Upper Tract	Maximum	45	47	46	46	..	54	51	50	50	45	70	65	63	60	61	66	67	70	66	70	75	75	70	39	36	30	28	20	38	..	....	53.7
	Minimum	26	28	26	31	..	30	30	38	26	11	18	30	31	45	41	42	43	46	35	36	33	34	28	26	25	20	9	9	-1	..	....	28.4
Wardensville	Maximum	48	51	53	48	55	39	47	59	69	69	56	56	59	70	67	65	66	70	54	55	68	..	68	..	50	36	41	24	21	..	....	54.3
	Minimum	30	13	16	29	39	30	18	16	22	26	27	37	47	50	48	30	45	47	49	44	37	..	..	..	19	23	29	9	12	0	....	29.3
Northern Division																																	
Alpena	Maximum	35	50	48	41	42	41	41	58	60	65	60	51	56	60	62	60	59	66	58	66	68	64	50	48	38	26	18	12	41	43	....	49.6
	Minimum	17	7	17	30	30	20	5	10	18	19	27	37	45	37	41	45	42	35	28	32	37	41	29	17	15	14	0	3	-8	25	....	23.8
Bens Run	Maximum	49	53	52	51	58	44	42	62	68	67	59	57	61	71	64	70	66	72	75	70	72	69	57	54	42	32	25	21	45	55	....	56.1
	Minimum	39	24	40	30	44	26	16	17	27	27	42	43	50	50	43	45	53	47	37	38	44	40	34	32	25	25	9	11	7	31	....	33.2
Buckhannon	Maximum	43	50	52	47	52	50	39	55	59	62	62	55	60	68	65	70	60	67	72	68	71	50	52	50	40	32	23	19	45	54	....	53.1
	Minimum	34	20	27	27	42	27	14	17	23	24	33	39	43	45	40	43	47	38	34	33	40	40	33	26	23	23	8	10	-2	27	....	29.3
Cairo	Maximum	47	55	57	50	57	44	47	63	67	70	58	56	59	72	66	70	68	75	78	78	74	67	52	52	38	32	25	25	52	56	....	57.0
	Minimum	35	15	32	23	42	26	9	12	17	21	39	41	50	48	37	41	49	43	31	32	31	36	22	20	24	22	8	1	-2	25	....	27.7
Clarksburg §	Maximum	44	54	56	45	53	35	44	60	64	67	61	56	62	73	65	72	60	70	74	73	73	51	54	50	32	31	27	19	50	56	....	54.4
	Minimum	26	16	21	29	40	26	10	13	18	20	25	38	34	43	36	39	42	45	33	33	34	43	32	23	27	23	9	9	-2	7	....	26.4
Creston	Maximum	45	54	57	50	56	49	46	60	66	69	59	55	59	70	68	69	68	73	77	74	73	69	57	51	39	30	24	33	50	56	....	56.9
	Minimum	30	15	31	23	43	24	10	12	17	20	49	36	50	49	40	42	46	45	32	33	41	38	24	24	21	23	8	4	-1	25	....	28.5
Elkins	Maximum	39	52	54	45	46	32	41	59	60	65	62	53	60	68	65	67	61	67	66	70	70	62	53	46	29	30	16	15	42	54	....	51.6
	Minimum	22	15	21	35	32	18	10	13	18	20	30	47	48	41	36	43	44	38	31	34	36	39	26	18	20	16	4	-5	-8	32	....	25.8
Fairmont§	Maximum	46	57	61	46	55	38	47	63	70	71	57	56	61	74	69	70	60	72	78	77	73	53	59	50	31	30	17	25	46	55	....	55.6
	Minimum	27	19	27	34	38	27	14	17	25	25	30	30	48	48	38	40	47	47	35	34	35	45	32	31	29	24	8	9	4	8	....	29.2
Glenville	Maximum	47	57	62	52	57	48	47	64	68	70	63	63	64	73	67	71	72	74	77	75	74	71	58	60	40	35	24	25	53	57	....	58.9
	Minimum	33	12	31	28	43	33	12	14	18	22	35	38	51	49	39	41	49	50	34	34	40	44	28	23	25	23	9	10	1	26	....	29.8
Lost Creek	Maximum	45	55	56	45	55	50	45	61	65	69	62	58	60	75	66	70	69	69	76	74	72	70	54	51	47	34	25	19	50	55	....	56.7
	Minimum	27	15	24	29	41	25	9	11	18	19	33	35	50	42	35	38	45	42	31	30	38	41	32	24	22	21	6	8	-6	22	....	26.9
Mannington	Maximum	43	49	55	46	53	44	41	57	63	63	57	55	59	68	66	70	69	66	71	67	72	68	52	49	46	31	25	19	44	57	....	54.2
	Minimum	22	16	26	25	43	25	10	14	19	19	30	38	49	47	36	40	46	44	31	32	36	41	26	21	25	24	9	10	-4	21	....	27.4
Morgantown	Maximum	42	57	55	49	55	51	39	57	63	63	64	59	59	66	70	70	71	67	66	7[illegible]	72	71	72	51	50	30	22	17	39	56	....	55.8
	Minimum	28	21	31	32	29	25	16	20	33	33	32	39	39	50	49	49	54	50	44	46	49	42	34	41	21	21	6	7	6	37	....	32.8
New Cumberland§	Maximum	45	48	53	56	52	32	43	60	66	63	51	54	58	70	65	69	68	66	70	68	73	52	53	52	37	25	16	20	45	..	....	52.9
	Minimum	31	23	24	28	29	27	16	18	22	28	28	39	47	47	41	42	43	42	37	37	38	38	34	31	32	23	7	6	4	13	....	29.2
New Martinsville	Maximum	46	55	54	48	61	44	46	63	67	68	57	56	61	73	66	69	69	74	78	74	73	66	55	52	40	32	30	23	50	55	....	56.8
	Minimum	32	20	36	30	42	27	15	19	22	23	40	44	50	49	42	43	49	49	39	38	45	42	30	31	28	27	10	9	7	28	....	32.2
Parkersburg	Maximum	46	52	52	51	54	37	43	59	65	68	55	55	60	70	65	71	67	71	71	72	71	61	54	52	35	32	18	22	50	57	....	54.6
	Minimum	30	24	40	34	36	26	18	22	29	30	46	47	52	52	48	55	52	45	42	43	54	41	36	35	26	18	8	12	12	39	....	35.1
Parsons	Maximum	42	60	59	50	47	50	67	60	69	74	65	65	68	74	65	68	69	73	66	79	80	67	50	60	34	31	18	14	49	53	....	57.5
	Minimum	22	15	20	32	25	10	13	26	28	27	28	39	38	39	38	37	34	38	32	38	35	37	28	19	18	17	6	2	-7	20	....	25.1
Pickens	Maximum	35	55	66	60	55	32	43	61	62	67	65	52	60	67	62	64	62	67	71	69	71	62	51	36	31	26	15	14	47	49	....	52.6
	Minimum	25	16	25	34	30	20	9	16	29	30	34	45	49	42	12	45	48	48	41	35	45	35	25	27	16	15	1	-4	-4	18	....	27.9
Terra Alta	Maximum	34	48	49	41	46	41	37	55	59	62	57	54	57	59	60	64	58	64	56	62	68	65	49	47	44	27	19	9	39	49	....	49.3
	Minimum	26	9	19	32	38	20	13	13	30	27	33	36	46	47	42	44	38	39	35	41	31	39	30	23	16	11	2	2	-12	16	....	26.2
Wellsburg	Maximum	44	49	51	53	52	42	40	58	64	61	58	54	58	67	69	70	67	67	69	67	71	68	51	46	27	26	19	44	56	57	....	54.2
	Minimum	27	16	36	21	40	27	12	16	22	21	28	27	46	46	37	41	48	44	33	34	38	35	24	24	24	8	8	0	26	34	....	28.1
Weston	Maximum	41	50	59	55	50	46	44	60	65	68	65	64	62	64	65	68	65	64	72	71	70	68	52	50	49	39	18	16	50	55	....	55.5
	Minimum	28	19	28	32	39	28	14	25	24	23	36	38	39	40	42	45	49	40	35	36	35	44	40	32	30	12	10	9	1	26	....	30.0
Wheeling§	Maximum	47	50	53	54	58	39	49	63	70	69	52	57	61	67	76	68	67	72	77	74	73	56	59	52	30	46	40	25	46	56	....	56.9
	Minimum	19	19	28	22	24	22	10	15	16	20	22	35	42	45	40	46	49	45	32	34	46	35	31	30	24	20	13	2	0	13	....	26.7
Southern Division																																	
Beckley	Maximum	60	58	52	50	50	48	47	59	67	65	62	58	58	65	61	63	60	71	69	67	72	71	69	67	65	64	63	62	62	60	....	61.5
	Minimum	28	18	28	34	37	25	10	12	23	19	44	45	49	50	49	50	54	41	42	45	43	41	27	31	20	16	1	10	4	31	....	30.9
Bluefield	Maximum	37	..	52	46	47	47	49	56	..	66	59	60	61	63	57	..	64	71	65	66	67	67	..	54	45	33	..	25	41	..	....	54.1
	Minimum	29	..	22	32	34	26	8	20	..	25	47	46	48	50	50	..	50	43	47	45	39	45	..	30	20	18	..	3	10	..	....	32.8
Charleston§	Maximum	48	60	66	48	63	50	56	70	74	74	74	60	60	70	74	72	64	80	80	80	74	62	62	58	39	34	28	36	60	60	....	61.2
	Minimum	35	24	26	36	38	30	19	19	21	24	26	32	44	48	46	48	52	48	42	42	42	45	31	31	31	22	9	14	11	16	....	31.8
Gary §	Maximum	43	56	59	43	53	41	52	64	63	71	66	56	64	71	73	70	60	77	68	73	74	55	57	53	36	30	25	28	55	58	....	56.5
	Minimum	33	19	27	28	35	28	15	16	18	28	32	41	43	44	47	48	47	45	39	39	40	44	26	25	27	26	1	5	11	13	....	29.8
Hinton §	Maximum	42	55	55	45	54	42	49	62	65	68	66	51	60	67	61	64	60	72	61	65	64	57	59	46	34	36	23	26	42	47	....	53.3
	Minimum	34	21	21	28	39	22	16	17	17	22	28	41	44	50	50	52	47	42	42	42	40	42	29	25	25	25	..	..	..	..	....	33.1
Huntington	Maximum	47	57	55	52	60	47	47	64	68	68	59	59	61	68	73	71	72	78	76	76	73	67	67	51	51	44	29	28	57	59	....	59.5
	Minimum	30	24	40	34	44	28	20	20	25	32	47	49	52	50	50	55	58	44	42	43	51	42	36	38	28	27	8	13	15	23	....	35.6
Lewisburg	Maximum	41	50	49	45	50	48	45	56	60	63	63	55	57	64	61	61	60	66	61	60	63	62	53	49	44	34	28	22	40	47	....	51.9
	Minimum	29	15	23	33	40	28	11	12	17	23	23	41	48	51	45	49	45	51	38	47	39	49	30	19	24	16	5	9	4	23	....	29.6
Marlinton	Maximum	34	42	44	46	46	38	40	54	60	62	54	48	56	54	52	54	60	64	54	56	66	62	52	38	32	25	18	16	32	34	....	46.5
	Minimum	18	6	18	32	38	22	4	6	10	12	22	32	44	40	40	42	48	42	28	38	32	38	20	10	18	18	2	2	-4	12	....	23.0
Point Pleasant	Maximum	53	58	55	53	60	49	48	64	69	68	64	59	61	74	71	73	73	76	78	78	73	68	63	50	54	40	27	27	54	59	....	60 0
	Minimum	28	22	38	28	42	25	16	17	23	26	45	44	49	47	45	53	53	43	39	39	49	37	33	28	30	22	5	7	16	33	....	32.7
Rainelle	Maximum	41	50	52	44	47	45	47	62	62	62	60	52	58	63	56	61	60	72	57	59	70	62	53	46	37	27	26	20	38	47	....	51.2
	Minimum	30	9	20	29	32	26	7	8	13	14	30	38	47	48	50	41	44	43	31	45	33	39	20	13	18	13	2	6	-7	22	....	25.5
Ravenswood	Maximum	47	54	53	51	49	47	43	57	65	68	64	55	59	66	68	70	70	73	76	73	71	70	79	55	42	36	24	22	47	58	....	57.1
	Minimum	32	20	40	30	43	28	15	18	24	26	45	44	51	48	47	55	57	46	38	39	53	42	30	35	26	24	8	10	7	39	....	34.0
Richwood	Maximum	41	52	44	47	37	51	56	62	61	66	58	56	63	65	60	66	63	71	65	70	53	55	44	29	28	17	19	48	51	..	....	51.7
	Minimum	28	19	19	36	26	14	15	21	24	37	34	53	48	46	52	51	49	47	43	31	38	25	22	24	18	5	5	3	12	34	....	29.3
Robertsburg§	Maximum	48	56	55	49	56	39	50	64	66	67	56	55	61	70	72	67	59	76	72	75	71	47	53	53	32	32	20	27	57	54	....	55.3
	Minimum	29	19	20	29	32	28	16	17	18	24	28	44	46	47	45	50	55	46	38	37	37	39	29	28	28	26	7	7	9	17	....	29.8
Ryan	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	...
Spencer §	Maximum	44	55	56	56	56	39	45	61	66	68	61	56	60	71	69	70	64	72	72	72	74	54	56	52	32	35	17	19	52	53	....	55.2
	Minimum	35	18	40	38	44	27	14	16	29	24	42	44	51	51	43	47	61	47	37	37	57	42	34	33	27	26	7	12	6	19	....	33.6
Sutton	Maximum	47	56	56	54	52	52	36	61	64	65	65	64	61	68	68	69	69	68	69	73	73	72	56	56	49	27	25	21	52	57	....	56.8
	Minimum	31	16	26	30	40	28	11	13	18	22	33	40	45	44	39	42	47	44	33	34	40	42	24	22	25	23	7	10	1	25	....	28.5
Union	Maximum	41	49	..	49	48	49	42	55	..	62	63	56	60	67	69	..	64	65	66	58	66	65	..	54	41	33	27	26	51	..	....	52.7
	Minimum	29	18	..	42	38	28	14	14	..	17	39	46	47	49	49	..	46	50	41	44	36	50	..	22	24	21	6	10	6	..	....	31.4
White Sulphur Spgs§	Maximum	56	51	43	46	37	40	50	60	59	60	50	60	63	57	60	59	65	55	55	55	54	51	31	30	28	21	23	36	38	..	....	48.0
	Minimum	12	19	24	40	29	9	9	12	18	24	37	46	48	46	50	46	47	34	36	45	36	25	18	18	20	6	11	1	4	34	....	26.8
Williamson §	Maximum	44	56	57	46	57	42	49	60	65	69	65	54	63	70	73	71	65	74	75	72	70	53	57	54	39	33	24	30	53	..	....	56.6
	Minimum	32	24	25	40	41	31	21	20	24	27	37	47	48	53	55	56	54	53	45	47	50	49	32	30	29	31	6	9	15	21	....	35.1

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 12-23-30—900)

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXVIII PARKERSBURG, W. VA., DECEMBER, 1930 No. 12

GENERAL SUMMARY

December averaged cold and dry. It was the coldest December since 1919. The temperature averaged below the normal for about twenty days and the maximum temperatures were unusually low. A temperature of zero or below occurred at slightly more than one-third of the stations. While the precipitation was considerably below the normal, it was sufficient to fill and washout the streams and break the longest and most severe drought of State record. More rain was needed, however, to soak into the ground and provide a water supply for springs and wells. The snowfall was considerably above the normal and was received mostly during the last half of the month. The month was generally cloudy. The weather was generally favorable for winter grains and for outdoor work.

TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 30.9°. The departure from the normal for 42 stations having ten or more years of record was —2.4°. The temperature was below the normal for the last half of the month, except for two or three days, when the temperature was practically normal. The temperature was also low on the morning of the 2d, when the lowest reading of the month occurred at six stations. The lowest temperature was generally on the 25th, but occurred at several stations on the 16th, 17th and 31st. The warmest weather occurred from the 6th to the 8th and the 9th to the 12th, with the temperature highest in most sections on the 3d, 4th, 10th and 11th.

PRECIPITATION

The average precipitation for the State, determined from 89 stations, was 2.81 inches. The departure from the normal for 61 stations having ten or more years of record was —0.70 inch. The precipitation was generally greatest over the central and the eastern panhandle counties. It was lightest over the southern and the Ohio River counties. The greater portion of the precipitation occurred on the 6-8th, 11-12th, 17-20th, 23d-27th and 31st., the greatest amounts being measured on the 6th and 26-27th. Most of the snowfall occurred on the 17th, 19th, 24th, 27th and 30th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, 14th; Arbovale, 5th and 6th; Beckley, 15th; Marlinton, 21st; New Cumberland, 10th; Pickens, 26th, 27th, 28th, and 29th; Terra Alta, 7th, 8th, 11th, 18th, and 28th; Stony River Dam, 6th.

MISCELLANEOUS PHENOMENA (Continued)

Sleet: Alpena, 9th; Arbovale, 26th; Bayard, 26th; Beckley, 7th; Bens Run, 30th; Crawford, 8th; Marlinton, 26th; Martinsburg, 26th and 29th; Pickens, 8th; Ryan, 26th; Stony River Dam, 28th; Upper Tract, 6th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.14	86	72	76	106.2	36	5,047	6.8	24	nw.	29
Columbus, Ohio	30.11	84	72	73	83.7	29	7,373	9.9	34	nw.	1
Elkins	30.16	86	77	83	81.4	27	3,604	4.8	23	w.	1
Lexington, Ky	30.17	86	77	...	120.1	41	8,292	11.0	27	nw.	30
Parkersburg	30.14	80	70	74	63.0	21	3,795	5.1	23	nw.	1
Pittsburgh, Pa	30.12	78	73	75	64.6	22	7,243	9.7	34	w.	30
Wytheville, Va	30.16	86	77	83	81.4	27	3,604	4.8	23	w.	1

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	40.9	75	6	3.27	......	......	......	......	......	......	......
1892	34.1	72	−10	2.91	......	......	......	......	......	......	......
1893	37.1	76	7	2.05	3.73	0.56	......	8			
1894	36.3	80	−29	4.04	6.56	1.71	......	9	10	8	13
1895	36.9	72	−6	2.87	4.14	1.85	......	9	11	7	13
1896	35.3	67	2	1.68	2.88	0.57	7.1	9	8	9	14
1897	37.3	72	−4	4.09	6.79	2.05	......	6	12	9	10
1898	33.1	69	−12	2.66	4.23	0.71	......	13	6	9	16
1899	33.3	77	−17	2.81	4.46	1.22	7.0	10	12	8	11
1900	34.6	65	3	2.26	3.45	1.32	3.9	10	11	8	12
1901	32.3	75	−9	5.84	8.97	3.57	1.0	7	11	7	13
1902	33.9	70	−2	5.33	9.95	2.01	3.8	11	7	8	16
1903	26.5	59	−11	2.00	4.43	**0.30**	9.4	14	5	7	19
1904	32.8	71	−20	3.12	5.91	1.63	7.8	8	12	8	11
1905	35.6	70	3	3.11	5.24	1.30	9.8	10	8	7	16
1906	35.9	70	−1	4.73	**11.15**	1.83	3.4	9	11	6	14
1907	35.5	70	−2	3.36	9.31	0.70	6.2	14	5	6	20
1908	36.4	73	5	3.03	7.36	1.06	5.2	12	9	8	14
1909	28.8	78	−10	2.55	6.00	1.16	6.0	10	9	8	14
1910	28.4	72	−8	2.72	6.90	1.00	10.9	10	9	8	14
1911	39.3	[illegible]	4	3.27	5.58	1.25	14.6	12	7	7	17
1912	35.8	76	−6	2.88	5.55	1.45	1.6	12	9	5	17
1913	30.4	68	3	2.82	3.81	1.10	7.1	10	12	7	12
1914	30.3	70	−20	5.46	8.04	2.58	2.9	8	9	8	14
1915	32.8	68	0	4.35	7.19	1.35	12.5	16	7	4	20
1916	32.8	77	−18	3.33	6.38	0.85	7.6	11	5	7	19
1917	**24.3**	67	**−37**	1.51	3.32	0.47	10.6	10	13	7	11
1918	41.0	74	0	4.41	8.14	2.70	11.8	8	11	6	14
1919	30.4	72	−15	4.07	7.35	1.17	3.2	12	8	6	17
1920	35.6	70	0	2.55	5.13	1.32	7.8	9	10	6	15
1921	37.0	79	0	4.25	7.51	1.11	3.7	10	6	7	18
1922	33.6	75	2	4.71	7.27	1.03	7.5	11	7	7	17
1923	**43.1**	78	0	5.82	10.96	1.00	3.6	11	10	5	16
1924	33.1	**83**	−8	2.58	5.69	0.58	2.4	14	11	5	15
1925	32.5	75	−8	1.20	3.42	0.38	1.7	10	10	6	15
1926	33.9	72	−14	5.10	10.57	1.65	2.7	7	10	6	15
1927	34.4	78	−6	3.72	6.78	0.42	2.5	15	6	4	21
1928	35.4	70	1	2.08	5.50	0.50	3.8	12	9	5	17
1929	36.6	73	−13	2.51	5.59	0.59	0.9	7	13	5	13
1930	30.9	66	−14	2.81	6.59	0.76	12.2	12	9	5	17
							8.6	12	7	5	19
1891-1930	33.7	83	−37	3.34	11.15	0.30	6.2	10	9	7	15

Climatological Data for December, 1930

Stations	Counties			Temperature, in degrees Fahr.							Precipitation, in inches				Number of days					Observers
		Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	
Panhandle Division																				
Bayard	Grant	2,375	29	27.1	-1.4	50	1†	-12	23	52	3.91	-0.06	1.31	23.0	17	0	10	21	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	14	27.8	-5.7	50	4†	2	31	33	2.60	+0.76	1.00	10.0	7	12	0	19	n.	Elmer Keister
Harpers Ferry	Jefferson	244	41	...	...	...	...	...	...	...	3.51	-0.99	2.46	7.2	7	...	...	...	...	J. C. Newcomer
Kearneysville ††	Jefferson	548	0	32.3	...	68	11	7	25	34	1.08	...	0.43	9.5	5	9	4	18	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	35	^{a}31.2	-1.5	54^{a}	1†	6	21†	36^{a}	3.11	+0.38	1.85	4.0	11	19	10	2	nw.	Dr. H. S. Gardner
Moorefield	Hardy	900	34	30.9	-2.2	57	10	-5	25	41	3.05	+0.85	1.40	9.0	7	22	0	9	...	M. S. Henkel
Piedmont	Mineral	1,053	17	29.0	-3.7	48	11	4	25	29	2.77	+0.27	1.75	8.5	6	6	19	15	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	52	^{a}29.2	-3.2	54^{a}	1†	-2	25	41^{a}	3.26	+0.84	1.54	...	6	8	4	19	...	George E. Bergdoll
Stony River Dam	Grant	3,300	10		...	...	...	...	...	...	3.01	-0.33	0.69	20.5	15	3	3	25	w.	A. C. Becker
Upper Tract	Pendleton	1,230	31	^{f}30.0	-3.5	55^{e}	4	2^{f}	19	42^{f}	0.76	-1.22	0.40	4.5	3	7^{i}	1^{i}	14^{i}	...	J. M. Mallow
Wardensville	Hardy	1,200	13	^{a}30.1	...	53^{a}	3	-1	25	45^{a}	3.05	...	1.29	6.8	10	8^{a}	3^{a}	19^{a}		Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	6	...	...	...	...	...	...	...	2.80	...	0.68	5.2	15	6	6	19	w.	L. Else Bond
Alma (near)	Tyler	...	3	...	...	...	...	...	...	...	2.38	...	0.70	2.8	13	4	6	21	...	D. N. Furbee
Alpena	Randolph	2,571	0	26.8	...	57	6	-8	22	38	4.09	...	0.80	35.0	15	11	3	17	w.	Christian Hertig
Benson	Harrison	1,080	6	^{a}30.0	...	56^{i}	1	-6	25	46^{i}	3.14	...	0.85	5.8	15	4	15	12	...	John A. Clark
Bens Run	Pleasants	652	25	33.2	-0.2	55	1†	9	2	37	2.12	-1.64	0.81	3.0	11	8	7	16	...	J. D. Riggs
Brownsville	Lewis	1,032	7	30.9	...	55	4	-3	25	41	2.78		0.73	10.0	13	9	3	19	...	George M. Meyers
Bruceton Mills	Preston	1,549	13		...	...	...	...	...	...	3.06	-0.54	0.61	8.1	12	5	4	22	sw.	...
Buckhannon	Upshur	1,411	33	31.3	-1.7	55	4	-1	25	41	3.72	-0.29	0.75	13.0	12	10	1	20	...	H. A. Darnall
Cairo^{a}	Ritchie	680	29	33.2	-1.0	64	2	2	25	45	2.21	-1.55	0.82	0.8	11	4	14	12	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	8	29.7	...	55	31	-2	25	43	2.48	...	1.00	6.6	13	3^{a}	5^{a}	22^{a}	sw.	Clarksburg Water Board
Cortland	Tucker	3,300	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	G. W. Harmon
Crawford	Lewis	1,107	7	...	...	...	...	...	...	...	3.07	...	0.76	8.3	15	6	9	16	w.	George W. Blair
Creston	Wirt	640	28	33.0	-0.9	57	10	5	31	43	2.16	-1.17	0.73	3.8	10	9	1	21	...	J. M. Reed
Dam 10 Mon. R.	Marion	826	9	...	...	...	...	...	...	...	2.74	...	1.01	...	12	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	14	...	...	...	...	...	...	...	2.23	0.79	0.95	...	10	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	14	...	...	...	...	...	...	...	1.95	-1.35	0.95	...	9	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	862	9	...	...	...	...	...	...	...	2.85	...	0.90	10.0	15	...	...	...	...	Lockmaster
Davis	Tucker	3,093	21	...	...	...	...	...	...	...	5.04	+0.25	1.20	...	22	...	...	...	...	Ross C. Male
Elizabeth (Dam 3 L. K.)	Wirt	615	18	...	...	...	...	...	...	...	2.16	-1.15	0.90	1.5	7	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	29	28.2	-1.5	56	4	-7	25	41	3.63	+0.17	1.13	13.9	18	4	6	21	w.	U. S. Weather Bureau
Fairmont	Marion	[illegible]	24	^{a}31.0	-2.5	[illegible]	1	7	25	[illegible]	3.57	+0.18	1.12	7.2	15	5	2	24	w.	J. C. Robinson
Glenville	Gilmer	738	36	32.8	-2.2	[illegible]	5†	0	31	43	3.13	-0.56	0.83	6.4	15	6	5	20	w.	Howard R. Brannon
Grafton	Taylor	1,000	37	31.9	-2.0	61	1	5	25	40	3.07	-0.44	0.73	3.2	9	9	0	22	...	...
Horner	Lewis	1,044	7	...	...	...	...	...	...	...	[illegible]	...	0.45	...	7	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	5	...	...	...	...	...	...	...	5.45	...	1.21	35.4	12	5	2	24	w.	J. W. White
Janelew (near)	Lewis	1,020	7	32.4	...	55	10	-2	25	44	2.73	...	0.74	7.5	11	9	4	18	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	32	31.0	-2.8	57	4	-4	25	44	3.26	-0.23	0.84	8.8	13	9	1	21	w.	Allen Smith
Mannington	Marion	985	27	30.6	-1.9	56	1	-3	25	42	2.77	-0.75	0.76	6.2	17	4	6	21	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	37	31.4	-2.1	51	1†	6	16	35	1.90	-1.14	0.65	6.5	9	5	6	20	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	32	^{a}30.8	0	51^{a}	3	7	2	43	2.10	-0.61	0.85	0.3	13	5	3	25	s.	C. H. Hesse
New Martinsville	Wetzel	634	56	32.6	-2.2	56	3	4	25	41	2.00	-1.56	0.80	1.5	8	6	6	19	s.	Wm. Ankrom
Parkersburg	Wood	638	43	35.4	-1.0	[illegible]	10	14	2	33	2.11	-0.92	1.12	1.6	11	3	6	22	sw.	U. S. Weather Bureau
Parsons ††	Tucker	1,649	39	28.8	-2.4	63	5	-6	25	49	3.62	-0.17	1.96	11.5	10	5	4	22	...	J. W. Swisher
Parsons No. 2	Tucker	...	4	...	...	...	...	...	...	...	3.81	+0.02	[illegible]	17.5	14	9	3	19	...	Robert T. Deem
Philippi	Barbour	1,550	33	...	...	...	...	...	...	...	3.16	-0.73	1.39	...	15	...	...	...	...	Prof. W. W. Thompson
Pickens	Randolph	2,697	27	28.5	-3.5	59	4	-5	16	39	6.59	+1.13	1.43	34.0	15	7	4	20	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	7	...	...	...	...	...	...	...	2.56	...	0.71	8.3	16	6	2	23	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	33	...	...	...	...	...	...	...	3.81	-0.06	0.98	...	16	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	21	...	...	...	...	...	...	...	2.61	-0.89	0.89	4.0	13	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	29	26.1	-3.9	[illegible]	5	-3	25	44	[illegible]	-1.42	1.10	11.5	19	2	6	[illegible]	sw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	1	...	...	...	...	...	...	...	4.02	...	1.03	23.8	14	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	7	32.0	...	55	1	0	25	33	3.14	...	0.64	12.0	12	10	6	15	w.	J. C. Campbell
Vandalia	Lewis	1,120	7	...	...	...	...	...	...	...	[illegible]	...	0.95	3.0	4	...	...	...	...	James B. Kelley
Wellsburg	Brooke	698	23	31.1	+0.1	50	3†	3	17	28	2.02	-0.99	0.98	T.	5	4	6	21	w.	George P. Pfister
West Milford	Harrison	979	5	...	...	...	...	...	...	...	2.22	...	0.77	...	9	...	...	...	...	Miss Dica E. Wagner
Weston	Lewis	1,026	55	33.0	-1.6	[illegible]	10	-2	25	27	3.52	-0.18	1.08	...	12	4	7	20	...	Weston State Hospital
Wheeling	Ohio	645	43	30.9	-0.7	[illegible]	3	5	2	48	2.20	-0.81	0.85	1.3	10	2	5	24	sw.	Miss M. E. Forsyth
Woodlands	Marshall	637	3	...	...	...	...	...	...	...	2.09	...	0.76	2.0	12	7	6	18	...	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	4		...	...	...	...	...	...	3.35	...	1.12	11.6	13	6	8	17	w.	H. S. Sutton
Bancroft	Putnam	574	26	32.6	-2.3	60	3	8	31	47	3.67	-0.28	1.10	2.6	12	10	0	21	ne.	R. E. Dent
Beckley	Raleigh	2,440	27	32.5	-0.9	57	1	1	16	46	1.87	-1.23	0.60	8.3	12	7	8	16	...	L. A. Mauck
Bluefield^{c}	Mercer	2,558	15	32.6	-2.6	58	4	8	16	37	2.69	-0.22	0.92	7.5	11	9	5	[illegible]	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	15	...	...	...	...	...	...	...	2.50	-1.96	1.20	6.0	6	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	[illegible]	27	35.9	-3.6	66	3	12	31	50	[illegible]	-1.41	0.56	2.5	11	1	0	27	...	R. O. Fields
Clay	Clay	706	14	...	...	...	...	...	...	...	3.22	-0.86	0.65	[illegible]	15	...	...	...	...	Clifton Wilson
Dam 6 G. K.	Kanawha	598	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	[illegible]	14	...	...	...	...	...	...	...	2.72	-0.70	1.43	...	11	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	14	...	...	...	...	...	...	...	2.64	-0.90	1.26	...	9	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	3	...	...	...	...	...	...	...	[illegible]	...	1.20	[illegible]	[illegible]	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	14	...	...	...	...	...	...	...	2.41	...	1.38	...	[illegible]	...	...	...	...	U. S. Engineer's Office
Gary	McDowell	1,426	14	^{a}33.4	-3.6	63^{a}	4	4^{a}	31	43^{b}	2.11	-1.73	0.62	2.8	15	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	33	^{a}31.8	-3.1	57	4	6^{a}	25	40	[illegible]	-0.15	1.10	7.4	17	7	3	21	...	Mrs. M. L. Mc[illegible]
Huntington ††	Cabell	538	33	37.2	+2.8	59	5	14	31	41	2.31	-1.33	0.90	5.0	12	4	8	19	sw.	R. N. Ro[illegible]son
Kanawha Falls	Fayette	618	11	...	...	...	...	...	...	...	1.97	-1.26	0.60	...	11	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	14	...	...	...	...	...	...	...	3.25	-1.28	1.00	...	18	...	...	...	...	Cabin Creek Con. Coal Co
Kermit	Mingo	579	4	...	...	...	...	...	...	...	2.69	...	0.88	5.0	12	...	...	...	...	E. B. Kirk
Kingston	...	...	0	...	...	...	...	...	...	...	2.35	...	0.50	10.2	11	7	0^{i}	[illegible]	...	...
Lewisburg	Greenbrier	2,250	30	29.6	-2.6	54	4	-2	25	35	2.18	-0.98	1.28	9.5	6	9	4	18	nw.	Geo. T. Argabrite
Logan	Logan	700	27	...	...	...	...	...	...	...	1.99	-2.59	0.54	2.5	10	...	...	...	...	J. R. Wam[illegible]
Marlinton	Pocahontas	2,131	31	23.2	-6.2	50	4	-14	25	38	3.25	-1.52	1.26	9.5	12	[illegible]	16	12	nw.	S. L. Brown
Point Pleasant	Mason	595	37	33.9	-1.3	60	1	9	2	42	2.90	-0.53	1.29	2.8	11	5	8	18	w.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	0	28.2	...	58	4	-10	31	43	3.97	...	0.78	13.3	16	10	1	20	...	H. M. Ward, Jr.
Ravenswood (Dam 22)	Jackson	584	7	34.2	...	59	1	11	2†	32	2.49	...	1.13	...	13	6	9	25	nw.	Lockmaster
Richwood	Nicholas	2,193	0	^{a}29.8	...	57^{a}	5	2	24	42^{a}	[illegible]		0.80	10.2	15	3	5	23	ne.	Cherry River Paper Co.
Robertsburg	Putnam	570	30	32.2	1.8	58	5†	11	31	29	2.41	-1.05	1.07	3.0	11	9	0	22	...	M. [illegible]
[illegible]	Roane	700	27	30.1	-3.8	55	3	-1	31	12	2.71	-0.74	0.66	7.7	15	7	[illegible]	19	...	[illegible]
Sharples	Logan	...	10	...	...	...	...	...	...	...	1.71	-1.91	0.56	...	6	...	...	...	...	S. V. Howard
Spencer	Roane	789	26	[illegible]	-1.6	57	9†	7	31	36	2.65	-0.72	[illegible]	6.0	11	3	[illegible]	25	...	A. M. McKown
Sutton	Braxton	[illegible]	24	32.0	-1.6	55	4†	0	31	42	3.93	-0.01	0.95	[illegible]	14	16	0	15	...	C. B. Eakle
Union^{d}	Monroe	2,250	26	30.2	-1.7	53	11	-3	25	44	2.18	-0.63	0.75	9.6	8	7	4	16	...	W. M. L. Young
Wayne	Wayne	598	3	...	...	...	...	...	...	...	2.41	...	1.10	...	12	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	20	^{a}26.8	-6.6	55^{a}	9	-6	24	40^{a}	1.15	-1.71	0.70	...	4	11	5	15	...	A. P. Spence
Williamson	Mingo	673	30	^{a}35.6	-1.3	57^{a}	4†	9	31	34^{a}	2.05	-1.79	0.68	1.8	14	3	9	19	se.	Mrs. T. W. Lowe
State averages and	extremes	...	...	30.9	-2.4	66	3	-14	25	52	2.81	-0.70	2.46	8.6	12	7	5	19	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, a, b, c appearing in the table indicate number of missing days: for example, b represents two days, etc.

Daily Precipitation for December, 1930

Stations	Drainage-basin	Total
Potomac Division		
Bayard	Potomac	[illegible]
Brandywine	do	[illegible]
Harpers Ferry ||||	do	[illegible]
Kearneysville	do	[illegible]
Martinsburg	do	[illegible]
Moorefield	do	[illegible]
Piedmont	do	[illegible]
Romney	do	[illegible]
Stony River Dam	do	[illegible]
Upper Tract	do	[illegible]
Wardensville	do	[illegible]
Northern Division		
Aberdeen	Monongahela	
Alma (near)	Ohio	[illegible]
Alpena	Monongahela	[illegible]
Beaton	do	[illegible]
Bens Run	do	[illegible]
Brownsville	do	[illegible]
Bruceton Mills	do	[illegible]
Buckhannon	do	[illegible]
Cairo	Little Kanawha	[illegible]
Clarksburg	do	2.23
Cortland	do	2.48
Crawford	Little Kanawha	3.67
Creston	Monongahela	2.16
Dam 8, Mon. R	Ohio	2.74
Dam 12, O. R.	do	2.23
Dam 15, O. R	Monongahela	[illegible]
Dam 15, Mon. R	do	[illegible]
Davis	do	[illegible]
Elizabeth (D'm 3 L K)	Little Kanawha	[illegible]
Elkins***	Monongahela	[illegible]
Fairmont ||||	do	[illegible]
Glenville ||||	Little Kanawha	3.13
Grafton	Monongahela	[illegible]
Hopper	do	[illegible]
Horton	do	5.45
Janelew (near)	do	[illegible]
Lost Creek	do	3.26
Mannington	do	2.77
Morgantown	do	1.90
New Cumberland	Ohio	2.10
New Martinsville	do	2.60
Parkersburg* **	do	2.21
Parsons	Monongahela	[illegible]
Parsons No. 2	do	3.81
Philippi	do	5.10
Pickens	do	[illegible]
Roanoke	do	2.56
Rowlesburg ||||	do	[illegible]
Saint Marys ||||	Ohio	[illegible]
Terra Alta	Monongahela	[illegible]
Thomas	do	4.62
Valley Chapel	do	[illegible]
Vandalia	do	[illegible]
Wellsburg	Ohio	2.03
West Milford	Monongahela	2.22
Weston	do	3.32
Wheeling	Ohio	2.20
Woodlands	do	2.09
Southern Division		
Arbovale	Great Kanawha	3.55
Bancroft	do	[illegible]
Beckley	do	1.87
Bluefield	do	2.69
Camden-on-Gauley	do	2.50
Charleston	do	2.10
Clay	do	3.22
Dam 6 G. K ||||	do	
Dam 19 O. R. ||||	Ohio	2.72
Dam 20 O. R. ||||	do	2.64
Dam 25 O. R. ||||	do	[illegible]
Dam 26 O. R. ||||	do	2.44
Gary	Big Sandy	[illegible]
Hinton	do	[illegible]
Huntington	Ohio	[illegible]
Kanawha Falls ||||	Great Kanawha	[illegible]
Kayford	do	[illegible]
Kermit	Big Sandy	[illegible]
Kingston	Great Kanawha	[illegible]
Lewisburg	do	[illegible]
Logan ||||	Guyandotte	1.99
Marlinton	Great Kanawha	3.25
Point Pleasant ||||	Ohio	2.90
Rainelle	Meadow Creek	[illegible]
Ravenswood (Dam 22	Ohio	2.49
Richwood	Great Kanawha	2.59
Robertsburg ||	do	2.41
Ryan	do	2.71
Sharples	Coal River	1.71
Spencer	Great Kanawha	[illegible]
Sutton	Gauley	3.93
Union	do	2.18
Wayne	Big Sandy	2.41
White Sulpr. Spgs.	Great Kanawha	1.45
Williamson	Big Sandy	2.65

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. || Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ¹ Precipitation data included in next following measurement. *** Regular Weather bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for December, 1930

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	50	38	50	50	38	35	40	45	40	49	47	44	40	39	28	30	34	37	32	30	24	23	40	37	35	33	30	31	28	28	33	36.7
	Minimum	19	0	4	23	23	32	32	26	25	35	32	28	25	24	15	-5	18	10	3	10	9	11	-12	24	22	19	20	21	20	16	12	17.5
Brandywine	Maximum	45	42	48	50	47	35	35	35	45	50	50	48	37	34	31	28	22	29	34	32	31	34	30	26	32	34	34	30	30	30	35	36.3
	Minimum	35	9	17	18	20	30	29	30	28	27	34	29	28	28	26	3	5	12	18	22	12	9	18	17	4	27	28	6	20	8	2	19.3
Kearneysville	Maximum	53	45	46	46	39	42	48	50	54	51	68	50	44	45	38	30	30	34	37	37	43	33	32	31	36	33	39	36	37	35	35	41.3
	Minimum	37	11	14	18	25	35	35	34	34	37	36	28	34	32	27	10	10	20	17	17	15	8	14	17	7	27	30	30	27	26	11	23.3
Martinsburg§	Maximum	54	31	48	41	48	40	47	48	50	54	49	47	39	39	34	30	25	35	36	38	42	32	35	36	39	38	39	34	36	34	..	39.9
	Minimum	33	13	12	12	20	34	34	36	36	36	34	30	36	32	29	13	11	15	15	17	6	11	10	22	6	7	29	30	27	28	29	22.4
Moorfield	Maximum	55	46	52	52	50	47	38	42	56	57	56	56	43	42	38	31	28	38	34	38	43	38	38	36	34	38	40	39	41	37	46	42.9
	Minimum	34	8	8	15	16	32	32	35	28	33	35	36	35	27	27	8	8	5	12	19	7	-2	8	16	-5	25	32	-1	24	26	3	18.9
Piedmont	Maximum	42	25	40	45	37	37	38	37	46	44	48	44	38	34	32	25	22	32	32	34	35	31	32	27	31	33	32	34	32	32	34	35.0
	Minimum	19	10	11	20	24	32	32	30	33	38	38	36	32	28	21	10	7	17	21	24	12	23	18	21	4	26	28	28	27	23	16	22.9
Romney §	Maximum	54	29	47	49	38	37	43	38	53	54	50	45	39	35	34	30	21	33	37	37	42	35	34	33	35	36	36	33	39	33	..	38.6
	Minimum	25	10	7	8	17	28	31	33	33	34	35	36	31	28	26	10	6	11	10	16	7	9	11	21	-2	8	29	28	27	27	10	19.8
Upper Tract	Maximum	..	..	49	55	51	46	40	40	38	49	..	49	48	39	40	..	34	33	50	40	35	..	26	28	36	37	35	30	36	35	40	40.1
	Minimum	..	..	9	13	20	17	..	28	30	29	..	34	30	26	26	..	24	25	2	4	25	..	15	15	15	16	28	17	18	20	5	19.8
Wardensville	Maximum	50	34	55	54	39	42	45	39	54	54	54	41	41	35	33	38	26	37	37	37	40	37	28	22	35	42	42	39	41	37	..	40.4
	Minimum	19	11	10	16	20	30	32	36	34	28	32	30	34	25	26	10	6	16	25	20	0	4	9	15	-1	8	35	26	25	25	6	19.8
Northern Division																																	
Alpena	Maximum	48	32	50	53	43	57	39	34	39	48	46	42	38	35	27	25	28	39	36	33	28	27	27	19	33	38	38	29	27	26	30	35.9
	Minimum	29	2	13	20	23	33	33	23	23	36	36	26	27	23	18	-4	-1	21	15	22	12	-8	11	14	-5	21	20	20	19	15	8	17.6
Bens Run	Maximum	55	28	55	54	48	49	47	41	49	55	50	49	39	38	36	26	29	34	38	37	35	31	29	29	40	38	38	32	36	35	33	39.8
	Minimum	25	9	18	29	29	42	40	34	34	31	44	35	34	31	25	13	12	26	24	28	25	28	20	22	10	31	31	29	29	10	28	25.6
Buckhannon	Maximum	45	35	50	55	48	50	46	40	45	53	51	48	40	38	34	27	29	32	37	38	35	30	25	30	40	40	38	30	30	30	32	38.7
	Minimum	35	10	18	27	26	42	39	31	30	31	41	33	33	30	25	10	12	27	17	30	16	8	16	20	-1	30	28	27	25	21	4	23.9
Cairo	Maximum	51	64	57	54	49	49	47	41	52	58	53	50	..	47	40	20	30	35	39	37	42	38	29	32	42	42	39	32	35	35	37	42.8
	Minimum	23	24	12	23	23	40	40	32	33	26	39	31	..	30	27	7	7	22	22	29	17	20	13	22	2	25	30	28	29	24	6	23.5
Clarksburg §	Maximum	41	29	55	54	49	48	45	37	48	55	48	38	37	33	29	25	29	33	36	35	35	31	27	24	39	39	34	31	33	29	35	37.5
	Minimum	34	7	12	18	19	35	41	32	32	29	30	33	33	29	26	9	10	18	19	28	16	19	14	21	-2	1	32	27	26	25	5	21.9
Creston	Maximum	40	56	55	48	48	50	48	53	48	57	50	45	40	37	28	31	32	37	39	38	37	34	31	30	43	40	38	32	37	34	36	41.1
	Minimum	26	13	28	22	22	40	40	33	32	28	38	34	35	27	27	9	9	24	23	28	20	21	15	22	12	25	30	28	28	24	5	24.8
Elkins	Maximum	49	28	54	56	45	46	42	35	45	56	46	45	40	36	28	22	28	35	34	33	33	27	23	23	34	40	33	29	31	28	33	36.7
	Minimum	13	7	15	24	30	40	35	28	28	38	41	30	32	28	11	4	7	18	16	16	12	4	12	2	-7	30	25	21	24	16	6	19.6
Fairmont§	Maximum	42	29	58	59	49	45	43	34	47	55	47	37	37	31	27	27	27	31	35	32	37	34	25	27	43	38	33	28	35	28	..	37.8
	Minimum	34	10	10	22	30	37	41	33	32	32	32	34	33	29	26	10	10	18	25	30	21	20	18	21	7	10	33	27	27	26	13	24.2
Glenville	Maximum	56	36	58	58	59	50	47	42	54	59	50	49	41	35	35	31	31	38	37	40	39	38	29	30	42	41	39	33	38	35	39	42.2
	Minimum	27	10	15	24	31	24	41	33	34	30	40	35	34	29	26	9	11	23	18	30	20	16	11	22	5	24	30	28	27	23	0	23.5
Lost Creek	Maximum	55	39	54	57	50	48	48	40	48	55	54	45	35	34	31	25	30	32	37	33	37	34	30	25	40	38	38	30	33	32	34	39.4
	Minimum	29	6	13	22	24	41	39	30	30	30	41	32	32	27	25	8	8	20	17	30	17	18	15	18	-4	23	23	25	25	22	5	22.5
Mannington	Maximum	56	25	51	52	49	48	44	40	47	52	49	48	37	34	33	23	30	33	38	34	35	30	27	27	39	40	39	31	33	32	32	38.3
	Minimum	23	7	13	23	25	40	40	33	33	26	38	34	33	26	23	7	6	25	21	30	18	18	13	21	-3	25	30	28	27	23	6	23.0
Morgantown	Maximum	55	25	52	55	47	44	43	42	47	51	51	51	50	51	34	33	34	32	38	32	32	34	33	33	40	41	41	41	29	31	28	40.3
	Minimum	19	7	17	27	36	32	38	29	30	34	30	32	27	30	22	6	6	6	24	21	22	21	16	11	14	32	25	25	25	21	14	22.6
New Cumberland§	Maximum	35	25	51	50	47	45	43	36	50	49	48	59	55	37	27	25	28	33	37	31	33	31	28	31	40	36	35	32	34	27	..	36.7
	Minimum	23	7	8	20	29	31	40	34	33	28	29	35	33	31	23	17	8	12	25	32	25	26	26	17	16	17	33	31	28	23	11	24.8
New Martinsville	Maximum	53	40	56	50	50	59	49	44	51	50	50	49	43	39	37	25	31	37	38	37	37	29	30	25	40	42	39	32	36	36	33	40.9
	Minimum	21	8	15	25	27	40	38	32	32	27	42	32	32	29	22	10	10	27	25	30	23	18	21	18	4	29	29	27	27	23	15	24.4
Parkersburg	Maximum	40	27	54	54	49	48	45	39	51	56	51	46	37	37	32	23	28	35	40	40	35	31	30	32	42	37	35	31	37	32	35	39.0
	Minimum	19	14	21	33	33	43	39	33	31	36	44	34	33	32	18	15	16	27	28	31	29	24	24	22	18	33	31	28	30	20	18	27.7
Parsons	Maximum	53	40	37	60	64	43	47	55	55	56	48	36	46	38	31	32	32	38	21	37	29	27	29	20	36	35	34	26	35	31	43	39.2
	Minimum	19	18	6	11	21	32	37	37	38	35	28	28	32	29	15	7	7	20	11	5	10	4	10	10	-6	8	26	25	25	18	3	18.5
Pickens	Maximum	48	51	56	59	44	46	41	33	39	50	42	42	42	45	32	26	31	38	45	31	30	32	21	21	38	41	38	35	34	34	29	38.3
	Minimum	18	12	20	20	34	39	32	25	24	31	37	18	20	22	12	-5	4	25	25	19	11	6	12	3	0	34	22	20	21	15	7	18.7
Terra Alta	Maximum	47	21	52	50	41	38	39	37	39	47	43	43	31	30	27	29	28	28	36	33	29	27	21	22	35	37	42	25	26	25	29	33.9
	Minimum	17	1	8	27	25	31	32	25	21	34	37	25	25	21	16	2	-2	19	18	21	4	15	13	15	-9	27	22	21	20	15	11	18.3
Wellsburg	Maximum	31	27	5	50	46	45	45	41	50	50	45	48	37	37	35	23	28	33	37	37	35	31	31	31	39	40	37	32	34	34	34	37.9
	Minimum	20	6	12	25	25	40	40	32	33	21	36	31	33	28	22	16	3	18	23	31	15	26	24	14	8	34	31	27	28	25	15	24.3
Weston	Maximum	35	48	55	64	60	56	58	48	45	62	60	52	42	40	35	32	28	35	38	42	40	40	38	25	45	39	35	35	33	28	25	42.5
	Minimum	26	10	25	25	24	45	46	32	31	35	36	32	25	30	30	11	15	18	22	20	20	18	20	20	-2	25	30	22	28	21	5	24.0
Wheeling§	Maximum	40	31	58	52	50	47	46	38	53	50	50	42	47	36	31	27	32	30	30	36	40	34	35	42	41	40	40	32	34	32	35	39.9
	Minimum	35	5	10	22	26	30	36	30	30	25	30	36	30	29	21	12	7	14	24	20	20	22	22	18	10	10	26	24	24	22	12	21.9
Southern Division																																	
Beckley	Maximum	57	56	55	56	54	58	48	46	47	53	50	45	44	40	37	35	34	42	39	37	35	37	35	34	36	40	39	36	33	31	35	42.7
	Minimum	31	10	21	25	34	34	34	26	25	35	37	32	30	29	22	1	6	21	2	25	18	9	18	15	6	28	24	23	24	16	7	22.3
Bluefield	Maximum	55	42	57	58	50	43	..	44	46	56	53	46	41	..	47	33	29	43	4	37	..	35	32	28	..	47	43	..	34	30	37	42.7
	Minimum	32	12	19	27	32	38	..	26	25	34	41	32	28	..	26	8	15	21	25	2	..	14	20	15	..	10	17	..	18	16	10	22.6
Charleston§	Maximum	56	44	66	58	56	55	44	38	58	64	52	45	46	38	35	30	37	59	40	50	50	50	30	44	44	44	34	34	42	30	44	45.7
	Minimum	35	16	16	23	29	31	41	31	33	32	32	36	36	34	31	[illegible]	13	25	28	29	25	18	19	20	16	20	31	28	28	24	12	26.1
Gary §	Maximum	49	40	59	63	48	51	43	35	52	58	51	43	4	38	35	37	34	49	28	46	41	42	29	..	43	43	32	34	40	24	10	42.7
	Minimum	38	17	17	20	25	40	42	35	29	27	27	35	33	32	30	12	12	22	27	28	23	17	18	20	..	11	32	20	25	22	4	24.0
Hinton §	Maximum	49	57	52	57	45	46	47	37	53	53	49	44	41	37	37	35	20	29	35	39	40	30	29	32	34	40	32	32	39	24	34	40.5
	Minimum	..	15	15	17	23	35	35	36	30	30	31	35	35	32	33	13	13	21	22	22	13	13	16	17	6	18	32	22	26	24	9	23.0
Huntington	Maximum	59	59	58	57	49	52	50	50	55	58	58	53	51	41	39	38	34	41	40	45	42	38	33	36	44	41	41	39	40	38	39	45.6
	Minimum	30	15	21	30	34	43	43	34	34	32	47	35	37	32	28	16	20	25	31	33	30	19	26	20	15	29	32	30	31	24	14	25.7
Lewisburg	Maximum	51	46	49	54	52	41	42	39	46	51	50	50	42	42	34	31	32	31	33	35	35	35	30	26	27	38	37	31	33	34	29	38.9
	Minimum	34	11	13	20	26	38	37	28	25	34	38	34	32	29	25	7	16	13	13	19	0	1	13	16	-2	20	25	22	26	11	4	20.3
Marlinton	Maximum	36	21	42	56	32	36	40	34	42	44	42	40	42	36	30	34	22	21	30	28	32	28	21	26	22	32	34	28	30	24	26	32.6
	Minimum	20	1	8	14	16	30	32	26	24	26	31	32	32	28	18	0	12	6	12	10	-6	-8	6	4	-14	20	12	2	22	12	-4	13.9
Point Pleasant	Maximum	60	35	59	58	53	50	52	43	55	58	55	53	42	42	38	31	34	36	40	45	41	38	34	35	44	41	39	35	40	38	40	43.9
	Minimum	26	9	17	27	18	28	27	29	32	28	39	31	34	28	25	10	14	26	23	20	25	15	21	20	15	30	24	27	28	22	10	23.9
Rainelle	Maximum	46	33	54	58	46	42	41	36	47	55	45	45	41	36	31	37	28	32	36	38	36	34	25	26	31	39	38	31	33	29	34	38.0
	Minimum	32	[illegible]	11	18	33	38	35	25	25	25	33	30	29	27	23	-1	15	19	11	15	0	6	12	10	-6	26	23	22	22	17	-10	18.4
Ravenswood	Maximum	59	50	52	51	49	50	49	42	52	58	54	51	41	40	37	34	30	37	35	39	38	33	32	32	42	43	37	35	35	35	34	41.4
	Minimum	27	11	19	25	32	43	41	33	33	29	43	34	35	30	28	11	17	23	26	29	29	21	20	22	15	32	31	29	30	24	14	27.1
Richwood	Maximum	33	52	57	44	45	47	32	45	55	45	35	42	45	29	30	32	42	40	38	34	35	23	42	42	43	38	32	31	22	36	..	39.0
	Minimum	9	10	13	20	37	32	31	27	25	29	35	31	30	27	6	5	23	21	29	11	7	10	18	2	33	28	28	21	21	3	6	20.7
Robertsburg§	Maximum	44	35	42	46	58	51	42	35	54	58	52	40	41	34	32	31	30	42	40	40	35	37	30	34	42	42	33	30	40	25	37	39.9
	Minimum	33	12	14	22	30	34	41	32	32	31	32	22	31	30	30	12	13	21	25	29	25	16	17	21	13	14	30	28	25	23	11	21.6
Ryan	Maximum	45	30	55	50	45	50	45	37	70	55	50	40	40	35	32	26	26	37	35	37	36	32	28	28	40	38	36	29	30	28	33	38.9
	Minimum	24	8	13	22	21	37	37	30	29	33	36	30	32	27	25	6	11	20	21	24	18	12	15	20	20	25	25	25	24	20	-1	22.2
Spencer §	Maximum	47	30	56	55	51	51	42	34	57	57	57	39	40	35	31	26	32	38	39	40	39	35	28	31	42	42	32	31	36	27	35	39.8
	Minimum	34	11	20	26	26	45	41	33	32	34	45	34	35	29	30	9	10	23	25	22	23	15	17	24	13	31	31	28	28	25	7	25.0
Sutton	Maximum	37	37	49	55	55	52	52	42	49	55	50	49	43	40	34	29	28	35	35	39	33	37	32	25	41	44	41	31	35	35	35	41.0
	Minimum	25	9	15	23	25	40	40	31	32	27	25	35	34	29	27	6	10	18	19	32	12	12	13	21	2	31	29	27	26	23	0	22.9
Union	Maximum	53	51	49	51	53	42	..	46	47	54	5	48	44	..	45	32	29	31	32	34	..	35	30	25	30	51	38	..	40	32	32	41.3
	Minimum	11	10	16	21	31	38	..	24	27	36	40	35	31	..	29	7	15	15	13	21	..	0	7	14	-3	10	21	..	20	20	4	19.2
White Sulphur Spgs§	Maximum	28	47	49	50	40	42	34	43	55	50	41	45	35	35	27	25	32	34	37	38	32	28	25	34	35	31	31	33	25	32	..	35.4
	Minimum	12	11	11	19	29	37	34	20	30	33	34	33	29	29	5	6	12	12	20	-2	-1	3	11	-6	0	29	23	25	20	2	3	17.2
Williamson§	Maximum	49	36	55	57	52	52	45	37	54	57	52	42	45	39	37	31	35	46	39	43	41	39	30	34	42	44	35	35	40	26	..	42.1
	Minimum	37	19	21	23	33	41	41	36	33	31	33	41	35	36	36	17	19	31	34	32	26	22	24	17	18	19	34	31	32	24	9	28.7

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 1 27-31—900)

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

HENRY C. HOWE, Meteorologist

Vol. XXXVIII PARKERSBURG, W. VA., YEAR, 1930 No. 13

GENERAL SUMMARY

Nineteen hundred thirty will go down in meteorological records as the year of the great drought. The average annual rainfall, 25.20 inches is by far the lowest of State record. The precipitation averaged below the normal for every month in the year. In most sections of the State wells and springs and small streams were practically dry and water for stock, domestic uses, and manufacturing plants was scarce. Many cities and towns hauled water for domestic uses, and manufacturing plants, depending on water power, were practically closed the entire summer and fall. The rivers continued low, no flood stage occurring in the Parkersburg river district or in any river in the State.

As a rule, the precipitation was greatest in February and March but some stations had moderate rainfalls in May, August, and December. The snowfall was greatest in January, March, and December. The total snowfall for the year was only slightly below the normal.

The temperature averaged more above the normal in January, February, April, May, July, and September, and the greatest deficiencies in temperature were in March, October, and December.

The conditions were decidedly unfavorable for growth, most crops not in river valleys being decidedly poor. Pastures and meadows were burned brown by drought and heat.

The season of growth extended from about April 25 to October 1, being somewhat longer than usual.

The number of clear days was much in excess. The sunshine at Parkersburg averaged 47 per cent. of the normal; at Elkins 53 per cent., being much above the normal.

The wind movement for Parkersburg was 43,321 miles, and at Elkins 39,355 miles.

THE WEATHER BY MONTHS

JANUARY.—The month was warm and exceptionally dry. The precipitation was less than one-half the normal and was the least for any January since 1897. The average January precipitation was more than two inches for all previous years of record, except two, while for this month it was only 1.86 inches. The temperature was generally considerably above the normal for the first half of the month and the last half was moderately cold. On account of floating ice, navigation on the Ohio River was practically suspended from the 27th to the close of the month.

Continued on page 51

TEMPERATURE AND PRECIPITATION DATA FOR 1930

Month	Temperature in degrees Fahrenheit				Precipitation in inches				Sky			Prevailing direction of the wind
	Mean	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. Cloudy	Cloudy	
January	34.0	+1.9	80	−13	1.86	−1.96	7.0	12	8	6	17	w.
February	39.8	+7.6	81	−21	2.62	−0.47	3.9	10	11	5	12	w.
March	40.3	−2.3	79	0	3.21	−0.73	6.9	11	14	6	11	w.
April	53.2	+1.6	98	13	1.95	−1.57	1.0	9	14	7	9	w.
May	63.3	+1.3	101	23	2.17	−1.74	......	10	15	8	8	w.
June	68.9	−0.2	104	27	2.87	−1.60	.....	7	17	8	5	w.
July	71.9	+1.8	109	34	1.90	−2.59	......	6	21	7	3	w.
August	70.7	−1.1	112	30	2.20	−1.95	......	8	15	8	8	w.
September	69.3	+3.5	106	29	1.46	−1.57	...	7	15	9	6	w.
October	50.5	−4.2	94	8	0.96	−2.16	0.2	6	17	6	8	w.
November	42.3	−0.2	80	−14	1.42	−1.38	4.8	9	11	6	13	w.
December	30.9	−2.4	66	−14	2.81	−0.70	8.6	12	7	5	19	w.
Annual	53.3	+0.6	112	−21	25.20	−18.37	34.2	107	165	81	119	w.

EVAPORATION

Monthly evaporation (inches); wind movement (miles)

Name of Station.		Mar.	Apr	May	June	July	Aug	Sept	Oct.	Nov.
Clarksburg	Evaporation	......	4.420	5.923	6.607	8.766	6.087	4.966	2.135	
	Wind Movement	...	2,091	1,601	1,465	1,747	1,179	1,221	1,329	.

Station established June 1, 1923.

Dates on which First and Last Killing Frost Occurred or Minimum Temperature Fell to 32 Degrees

Station	Last in Spring	First in Autumn	Station	Last in Spring	First in Autumn
Alpena	June 2	Aug. 12	Moorefield	June 1	Oct. 1
Bancroft	April 25	Oct 18	Morgantown	April 25	Oct. 1
Bayard	June 1	Sept. 29	New Cumberland	May 26	Oct. 20
Bens Run	April 25	Oct. 20	New Martinsville	April 25	Oct. 18
Benson	June 1	Oct. 1	Parkersburg	April 25	Oct. 20
Bluefield	April 26	Oct. 20	Parsons		Oct. 1
Brandywine	June 1	Oct. 1	Piedmont	April 27	Oct. 2
Brownsville	May 31	Oct. 1	Pickens	June 1	Aug. 12
Buckhannon	April 27	Oct. 2	Point Pleasant	April 27	Oct. 18
Cairo	.....	Oct. 1	Ravenswood	April 27	Oct. 18
Charleston	April 25	Oct. 20	Robertsburg	April 27	Oct. 18
Clarksburg	April 27	Oct. 2	Romney	June 1	Oct. 1
Creston	April 27	Oct. 1	Ryan	June 1	Oct. 1
Elkins	April 27	Oct. 20	Spencer	April 27	Oct. 2
Fairmont	April 25	Oct. 20	Sutton	April 28	Oct. 18
Gary	April 26	Oct. 18	Terra Alta	June 1	Oct. 1
Glenville	April 27	Oct. 1	Union	June 2	Oct. 1
Hinton	April 27	Oct. 2	Upper Tract	June 1	Oct. 1
Huntington	April 25	Oct. 20	Valley Chapel	May 30	Oct. 2
Janelew	May 31	Oct. 1	Wardensville	May 31	Oct. 1
Kearneysville	....	Oct. 2	Wellsburg	June 1	Sept. 29
Lewisburg	June 1	Oct. 1	Weston	April 27	Oct. 2
Lost Creek	June 1	Oct. 1	Wheeling	June 1	Oct. 1
Mannington	June 1	Sept. 29	White Sulphur Springs	May 31	Sept. 30
Marlinton	June 1	Sept. 29	Williamson	May 30	Oct. 18
Martinsburg	April 24	Oct. 20			

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Precipitation			Number of days			
	State mean	Highest	Lowest	State average	Greatest local amount	Average snowfall	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	.....	.....	45.96	.....	.....	.....	.....	.....	.....
1892	52.1	99	−12	38.33	7.20	.....	...		...	.....
1893	52.0	99	−25	39.82	7.85	.....	116	.....	.....	..
1894	53.5	103	−29	34.52	7.48	.....	102	155	114	96
1895	51.5	107	−21	32.82	7.69	.....	100	150	111	104
1896	53.6	97	−10	43.49	**15.70**		111	132	128	106
1897	53.5	103	−18	41.59	8.42	..	116	141	113	111
1898	54.8	103	−13	47.61	11.57	20.6	117	133	129	103
1899	53.2	100	−35	40.97	8.64	36.1	108	142	107	116
1900	54.1	104	−11	37.62	9.00	30.6	114	135	116	114
1901	52.1	104	−11	44.78	11.10	28.2	116	128	95	142
1902	52.8	104	−14	42.19	9.95	49.1	112	128	118	119
1903	52.0	105	−19	40.55	12.30	29.3	112	151	102	112
1904	50.9	98	−20	33.33	8.29	31.7	111	148	110	108
1905	52.3	100	−22	45.53	10.64	35.3	117	144	102	119
1906	54.0	101	−11	44.36	11.15	40.2	130	134	101	130
1907	51.7	98	−23	52.15	13.36	35.0	138	128	102	135
1908	53.7	101	−16	40.47	11.45	38.0	116	155	110	101
1909	53.0	101	−10	43.02	10.50	30.3	126	143	109	113
1910	52.3	98	−11	38.60	13.16	47.4	118	140	103	122
1911	54.6	106	− 5	47.13	12.63	23.2	131	140	97	128
1912	51.7	100	−34	43.78	14.02	33.9	124	159	81	126
1913	53.9	103	− 4	49.02	10.53	31.6	122	162	79	124
1914	52.3	106	−22	39.71	10.05	67.7	116	153	81	131
1915	52.8	101	− 8	43.76	11.38	29.4	125	146	84	135
1916	52.6	104	−18	44.63	10.79	43.9	121	157	92	117
1917	49.9	104	**−37**	44.33	14.20	54.6	123	163	74	128
1918	53.2	110	−27	44.77	10.28	37.7	122	160	83	122
1919	54.0	104	−16	47.27	13.08	16.8	118	164	78	123
1920	52.0	99	−11	41.62	9.70	25.7	120	147	75	144
1921	55.6	101	−10	45.45	10.67	22.4	122	145	93	127
1922	54.1	100	−15	41.57	8.19	25.8	117	164	68	133
1923	52.7	102	−20	46.03	12.42	23.9	125	161	73	131
1924	50.5	104	−16	47.84	10.88	36.1	129	154	79	133
1925	53.2	104	−27	41.20	13.08	31.1	124	147	85	153
1926	51.6	107	−23	49.60	15.36	49.4	139	126	81	158
1927	53.8	100	−14	48.90	12.40	26.6	138	138	77	150
1928	52.3	103	−14	43.40	11.69	45.8	134	136	82	148
1929	52.7	104	−19	46.70	11.14	44.5	132	142	77	146
1930	53.3	**112**	−21	25.20	7.02	34.2	107	164	79	122
1891-1930	52.8	112	−37	42.74	15.70	35.0	120	146	95	124

CLIMATOLOGICAL DATA FOR THE YEAR 1930

Stations	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)								Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Number rainy days	Number clear days	Number partly cloudy days	Number cloudy days	
PANHANDLE DIVISION																				
Bayard	Grant	2,375	28	48.4	95	Aug. 4	−14	Nov. 29	28	33.50	5.07	June	0.70	Oct.	85.0	126	.....	.....	.....	w.
Brandywine	Pendleton	1,586	15	51.2	100	July 20†	−12	Jan. 19	14	15.95	2.95	June	0.20	July	22.0	60	233	11	121	sw.
Harpers Ferry	Jefferson	244	.....	.....	.....	.....	.....	.....	41	20.09	3.51	Dec.	0.18	July	22.7	74	.....	.....	.....	.....
Kearneysville	Jefferson	548	0	.....	107	Aug. 4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Martinsburg	Berkeley	435	38	54.4	108	Aug. 4	− 4	Jan. 20	38	21.43	3.13	June	0.47	Oct.	19.5	94	265	86	14	w.
Moorefield	Hardy	900	34	55.6	112	Aug. 4	−11	Jan 19	34	16.84	4.87	June	0.08	Oct.	22.5	51	.....	.....	.....	.....
Piedmont	Mineral	1,053	14	52.0	102	July 28†	− 2	Nov. 29	14	19.71	2.77	Dec.	0.18	Oct.	19.8	78	161	94	110	.....
Romney	Hampshire	824	33	53.6	106	July 28†	− 2	Dec. 25	33	17.56	3.26	Dec.	0.10	Oct.	.....	.....	.....	.....	.....	.....
Stony River Dam	Grant	3,300	.....	.....	.....	.....	.....	.....	10	27.28	4.08	Apr.	0.84	Oct.	84.5	108	93	92	180	w.
Upper Tract	Pendleton	1,230	31	52.6	104	July 28	.....	.....	31	9.50	1.90	June	0.12	Oct.	.....	.....	.....	.....	.....	.....
Wardensville	Hardy	1,200	3	.....	105	Aug. 4	.....	.....	3	14.83	3.05	Dec.	0.06	July	.....	.....	.....	.....	.....	.....
NORTHERN DIVISION																				
Aberdeen	Upshur	1,060	6	.....	.....	.....	.....	.....	6	27.55	4.07	June	0.76	Oct.	24.2	113	135	135	95	w.
Alma (near)	Tyler	800	.....	.....	.....	.....	.....	.....	4	25.61	4.33	Mar.	0.56	Oct.	19.0	122	159	92	114	.....
Alpena	Randolph	2,571	1	47.3	92	July 28†	−13	Feb. 16	1	30.00	4.09	Dec.	0.70	Oct.	92.0	110	162	120	83	w.
Bens Run	Pleasants	622	29	55.6	104	July 20†	1	Jan. 19	29	25.63	4.03	Mar.	0.74	Oct.	32.0	112	185	88	92	.....
Benson	Harrison	1,080	7	52.6	101	Aug. 4	−19	Feb. 16	7	23.51	3.86	Mar.	0.65	Oct.	20.8	114	150	151	64	.....
Brownsville	Lewis	1,032	6	53.5	103	Aug 4†	−19	Feb. 16	6	25.65	3.25	June	1.06	Oct.	.....	119	197	81	87	.....
Buckhannon	Upshur	1,411	34	52.3	94	July 20†	−14	Feb. 16	34	31.34	4.08	June	1.38	Oct.	37.5	92	205	56	104	.....
Clarksburg	Harrison	1,015	8	52.5	102	July 20	−12	Feb. 16	8	21.65	3.39	Feb.	0.53	Oct.	.....	114	134	105	126[a]	w.
Crawford	Lewis	1,107	.....	.....	.....	.....	.....	.....	7	27.03	3.59	June	0.87	Oct.	29.1	120	158[a]	137	70	sw.
Creston	Wirt	640	29	54.4	105	Aug. 4	− 1	Nov. 29	29	24.27	4.21	Mar.	0.52	Oct.	20.1	103	184	24	157	.....
Dam 10 Mon. R.	Marion	826	.....	.....	.....	.....	.....	.....	14	29.63	5.03	Mar.	0.80	Oct.	.....	115	.....	.....	.....	.....
Dam 12 O. R.	Ohio	660	.....	.....	.....	.....	.....	.....	14	24.38	4.04	Mar.	0.54	Nov.	.....	108	.....	.....	.....	.....
Dam 13 O. R.	Ohio	655	.....	.....	.....	.....	.....	.....	14	22.56	3.57	Mar.	0.46	Nov.	.....	117	.....	.....	.....	.....
Dam 15 Mon. R.	Monongalia	882	.....	.....	.....	.....	.....	.....	8	26.37	4.29	June	0.73	Oct.	30.5	143	.....	.....	.....	.....
Davis	Tucker	3,093	.....	.....	.....	.....	.....	.....	20	32.36	5.31	June	1.11	Oct.	.....	153	.....	.....	.....	.....
Elizabeth	Wirt	615	.....	.....	.....	.....	.....	.....	5	21.18	3.57	Mar.	0.48	Sept.	.....	75	.....	.....	.....	.....
Elkins	Randolph	1,947	30	49.9	94	Aug. 4	−14	Feb. 16	30	28.38	3.80	June	0.82	Oct.	52.7	137	87	120	158	w.
Fairmont	Marion	883	25	54.4	107	Aug. 4	− 5	Feb. 16	38	26.27	4.40	June	0.71	Oct.	28.2	124	149	81	135	w.
Glenville	Gilmer	738	37	55.1	105	July 28†	−12	Feb. 16	43	27.81	3.98	Mar.	0.79	Oct.	19.9	121	164	80	121	w.
Grafton	Taylor	1,000	38	.....	.....	.....	−16	Feb. 16	38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Horner	Lewis	1,044	.....	.....	.....	.....	.....	.....	7	24.52	3.20	Mar.	0.80	Apr.	.....	69	.....	.....	.....	.....
Horton	Randolph	2,840	.....	.....	.....	.....	.....	.....	5	33.33	5.45	Dec.	0.46	Oct.	120.6	105	134	38	193	w.
Janelew (near)	Lewis	1,020	7	54.3	104	Aug. 4	−21	Feb. 16	7	23.68	3.50	June	0.80	Oct.	21.0	64	191	64	110	sw.
Lost Creek	Harrison	1,026	33	53.3	103	Aug. 4	−21	Feb. 16	33	25.02	3.61	Mar.	0.85	Oct.	28.2	103	173	70	122	w.
Mannington	Marion	985	28	51.6	98	July 20†	−11	Feb. 16	28	28.89	4.64	Mar.	0.79	Oct.	33.6	149	145	90	130	w.
Morgantown	Monongalia	1,250	38	53.3	102	Aug. 4	− 6	Feb. 16	56	25.15	5.35	June	0.81	Nov.	21.5	69	142	74	149	sw.
New Cumberland	Hancock	671	33	51.7	102	July 20	− 4	Jan. 23†	33	27.24	4.98	June	0.66	Nov.	15.3	145	114	90	161	s.
New Martinsville	Wetzel	634	37	55.3	105	July 20	− 3	Feb. 16	37	24.05	4.15	Mar.	0.88	Nov.	12.5	87	162	85	118	s.
Parkersburg	Wood	638	42	55.4	104	July 28	0	Jan. 19	42	19.70	3.55	Mar.	0.68	Oct.	16.0	115	116	86	163	se.
Parsons	Tucker	1,649	31	.....	102	July 20†	− 8	Feb. 16	51	30.22	3.88	June	0.88	Oct.	40.5	.....	.....	.....	.....	.....
Parsons (No. 2)	Tucker	1,649	.....	.....	.....	.....	.....	.....	4	28.77	3.81	Dec.	0.96	Oct.	49.0	129	196	71	98	.....
Philippi	Barbour	1,550	34	.....	.....	.....	.....	.....	57	31.97	3.96	July	0.87	Oct.	.....	110	.....	.....	.....	.....
Pickens	Randolph	2,697	28	46.6	98	July 28†	−20	Feb. 16	40	14.76	6.59	Dec.	1.41	Oct.	151.6	120	184	63	118[a]	w.
Roanoke	Lewis	1,050	.....	.....	.....	.....	.....	.....	7	24.89	3.82	June	0.95	Sept.	29.5	112	202	50	113	.....
Rowlesburg	Preston	1,375	.....	.....	.....	.....	.....	.....	45	35.14	4.99	May	1.02	Oct.	.....	138	.....	.....	.....	.....
Saint Marys	Pleasants	577	.....	.....	.....	.....	.....	.....	21	23.37	4.33	Mar.	0.78	Oct.	14.5	136	.....	.....	.....	.....
Terra Alta	Preston	2,559	31	47.7	95	July 20	−12	Nov. 29	31	31.92	5.30	June	1.04	Oct.	52.7	150	66	103	196	w.
Thomas	Tucker	1,112	.....	.....	.....	.....	.....	.....	2	30.15	4.42	June	0.96	Oct.	81.3	119	.....	.....	.....	.....
Valley Chapel	Lewis	1,011	7	54.3	103	Aug. 4	−14	Feb. 16	7	23.27	3.50	Mar.	0.69	Oct.	29.5	98	211	84	70	w.
Vandalia	Lewis	1,120	8	.....	.....	.....	.....	.....	8	20.27	2.97	June	0.41	Sept.	.....	.....	.....	.....	.....	.....
Wellsburg	Brooke	668	30	51.8	104	Aug. 4	− 9	Jan. 23	38	24.92	3.56	June	0.59	Nov.	14.8	93	175	78	112	w.
West Milford	Harrison	979	.....	.....	.....	.....	.....	.....	4	24.61	3.19	Feb.	0.55	Oct.		89	.....	.....	.....	.....
Weston	Lewis	1,026	35	54.7	104	Aug. 4	−12	Feb. 16	41	26.35	3.77	Mar.	0.81	Oct.	.....	108	106[a]	157[a]	99[a]	.....
Wheeling	Ohio	645	44	52.4	106	July 20†	− 5	Jan. 19†	46	24.08	3.81	Sept.	0.65	Nov.	16.3	117	133	96	136	sw.
Woodlands	Marshall	637	.....	.....	.....	.....	.....	.....	4	25.76	4.39	Mar.	0.93	Nov.	.....	125	137	100	128	sw.
SOUTHERN DIVISION																				
Arbovale	Pocahontas	2,734	.....	.....	.....	.....	.....	.....	6	22.58	3.35	Dec.	0.50	Oct.	43.3	123	175	81	109	w.
Bancroft	Putnam	574	27	54.8	103	July 20†	− 3	Jan. 19	27	26.17	3.88	Aug.	0.83	Oct.	16.0	104	223	0	142	ne.
Bluefield	Mercer	2,563	35	54.0	94	July 26	2	Jan. 20†	35	27.00	4.65	July	1.11	Sept.	28.6	106	.....	.....	.....	.....
Camden-on-Gauley	Webster	2,029	.....	.....	.....	.....	.....	.....	13	30.24	4.33	May	1.27	July	.....	60	.....	.....	.....	.....
Charleston	Kanawha	600	27	57.6	106	July 20†	3	Jan. 19†	45	26.13	3.71	Aug.	0.82	Oct.	7.5	96	181	0	184	.....
Clay	Clay	706	.....	.....	.....	.....	.....	.....	14	26.30	3.68	Mar.	1.00	Oct.	36.4	122	.....	.....	.....	.....
Dam 6 G. K.	Kanawha	598	.....	.....	.....	.....	.....	.....	15	23.33	4.31	Aug.	0.58	Oct.	.....	116	.....	.....	.....	.....
Dam 19 O. R.	Wood	600	.....	.....	.....	.....	.....	.....	13	23.48	3.73	Mar.	0.92	Nov.	.....	114	.....	.....	.....	.....
Dam 20 O. R.	Wood	600	.....	.....	.....	.....	.....	.....	13	22.87	3.50	Mar.	0.85	Oct.	.....	115	.....	.....	.....	.....
Dam 25 O. R.	Mason	565	.....	.....	.....	.....	.....	.....	4	24.91	2.80	Aug.	1.27	Nov.	.....	116	.....	.....	.....	.....
Dam 26 O. R.	Mason	564	.....	.....	.....	.....	.....	.....	14	22.46	3.47	Aug.	0.95	June	.....	107	.....	.....	.....	.....
Gary	McDowell	1,426	12	54.0	102	June 24	1	Nov. 27	13	27.48	5.07	Aug.	1.23	Sept.	13.3	126	.....	.....	.....	.....
Hinton	Summers	1,431	35	54.4	102	July 25†	1	Jan. 19	35	18.19	2.65	Dec.	0.55	Sept.	.....	118	186	55	124	.....
Huntington	Cabell	538	35	59.0	108	July 28	1	Jan. 19	36	21.77	3.03	Aug.	0.87	Oct.	15.9	120	101	138	126	sw.
Kanawha Falls	Fayette	618	.....	.....	.....	.....	.....	.....	13	23.35	2.72	Feb	1.05	Oct.	.....	78	.....	.....	.....	.....
Kayford	Kanawha	1,335	.....	.....	.....	.....	.....	.....	13	33.56	7.02	July	1.04	Oct.	.....	124	.....	.....	.....	.....
Kermit	Mingo	579	.....	.....	.....	.....	.....	.....	5	20.60	2.74	Feb.	0.39	Apr.	12.8	91	.....	.....	.....	.....
Lewisburg	Greenbrier	2,250	30	52.2	97	June 24†	− 2	Feb. 16†	38	18.88	3.01	July	0.36	Sept.	29.0	74	171	77	117	nw
Logan	Logan	700	24	.....	.....	.....	.....	.....	26	23.41	3.04	Feb.	1.00	Sept.	.....	99	.....	.....	.....	.....
Marlinton	Pocahontas	2,131	31	46.9	94	July 28	−14	Dec. 25	31	28.72	4.16	Apr.	0.86	July	31.0	104	88	210	67	sw.
Point Pleasant	Mason	595	37	56.2	106	Aug. 4	− 6	Jan. 18	40	25.25	3.35	Mar.	0.68	Sept.	15.2	115	168	112	85	w.
Ravenswood (Dam 22.)	Jackson	584	7	56.2	102	June 30†	− 6	Jan. 19	15	22.87	3.20	Mar.	0.36	Sept.	.....	111	166	0	199	se.
Robertsburg	Putnam	570	30	54.4	104	July 20†	− 3	Feb. 16	30	19.99	2.68	Feb.	0.87	May†	14.0	110	181	0	184	.....
Ryan	Roane	700	27	52.4	102	July 20†	−13	Jan. 19†	27	25.32	4.23	Mar.	0.86	Oct.	28.2	116	162	94	109	.....
Sharples	Logan	889	.....	.....	.....	.....	.....	.....	10	24.44	3.63	Aug.	1.06	Jan.	.....	73	.....	.....	.....	.....
Spencer	Roane	784	25	54.7	104	Aug. 4	− 7	Jan. 19†	32	25.92	4.13	Mar.	0.75	Oct.	26.0	104	129	120	116	.....
Sutton	Braxton	850	26	54.4	105	July 28†	−10	Feb. 16	26	35.77	4.35	May	1.05	Oct.	56.0	118	245	0	120	.....
Union	Monroe	2,250	26	54.2	100	July 28†	− 5	Jan. 31	26	18.83	2.39	Jan.	0.88	Sept	28.3	83	.....	.....	.....	.....
Wayne	Wayne	598	.....	.....	.....	.....	.....	.....	5	24.79	3.61	Aug.	1.04	June	.....	107	.....	.....	.....	.....
White Sulphur Springs	Greenbrier	1,914	20	50.5	99	July 27†	− 6	Dec. 24	20	15.88	2.25	May	0.45	Sept.	.....	61	281	17	67	.....
Williamson	Mingo	660	30	59.1	105	July 28	0	Jan. 19	30	31.67	4.24	Aug.	0.93	Oct.	11.2	130	181	18	166	se.
State averages and	extremes	.....	.....	53.3	112	Aug. 4	−21	Feb. 16	.....	25.20	7.02	July	0.06	July	34.2	107	164	79	122	w.

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[a] 1 day interpolated from nearby stations, [b] 2 days, etc.

† And other dates

Monthly and Annual Mean Temperatures for the Year 1930, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
PANHANDLE DIVISION																										
Bayard	29.8	+1.8	36.7	+9.3	38.3	+0.6	53.3	+5.6	[b]56.0	-0.8	62.6	-0.7	66.8	+0.2	63.6	-2.1	64.2	+4.2	44.9	-3.9	37.5	-0.7	27.1	-1.2	48.4	+1.0
Brandywine	33.8	+4.0	37.9	+3.9	38.8	-3.6	49.4	0	60.4	+2.3	65.4	-2.5	74.2	+3.3	68.4	1.5	69.0	+5.0	47.7	-2.2	41.6	0	27.8	-5.7	51.2	+0.2
Kearneysville	.....	.....	.....	.....	.....	.....	.....	.....	61.4	.....	72.7	.....	77.8	.....	75.1	.....	73.2	.....	53.6	.....	45.0	.....	32.3	.....	.....	.....
Martinsburg	[a]30.6	+0.1	[a]37.4	+7.1	[a]41.0	0.3	[a]50.0	-1.5	[a]65.6	+2.5	[a]72.6	+2.0	[a]79.0	+3.7	[a]71.7	+1.7	[a]73.2	+7.1	[a]53.2	-1.4	[a]44.6	+1.9	[a]31.2	-1.5	54.4	+1.8
Moorefield	36.5	+4.6	42.6	+10.3	44.0	+0.1	54.0	0.8	65.6	+2.3	72.0	+2.4	77.6	+3.4	74.2	+0.9	74.1	+7.1	52.2	-3.4	43.6	-0.1	30.9	-2.2	55.6	+2.1
Piedmont	31.6	+1.9	37.7	+5.4	39.0	-3.6	51.0	-0.1	62.5	+2.7	69.2	+0.4	73.8	+2.8	71.0	+0.6	68.8	+3.7	50.1	-3.0	40.5	-1.4	29.0	-3.7	52.0	+0.5
Romney	[c]33.0	+2.1	[a]38.8	+6.6	[b]39.8	-2.8	[b]51.2	-0.1	[a]65.2	+2.2	[a]72.4	+2.5	[a]76.8	+1.9	[b]72.2	0.7	[c]71.7	+5.6	[a]50.9	-1.3	[a]41.6	-1.1	[a]29.2	-3.2	53.6	+0.7
Upper Tract	[f]34.6	+1.3	[c]40.5	+8.3	41.1	-1.8	[a]50.0	-1.0	[b]61.7	+0.3	[d]67.8	0	74.8	+2.8	[b]70.1	0.6	[a]70.0	+4.5	49.7	-5.7	[b]41.0	-2.9	[f]30.0	-3.3	52.6	+0.1
Wardensville	.....	.....	.....	.....	.....	.....	.....	.....	[a]62.0	.....	[c]70.0	.....	[a]75.2	.....	[a]72.0	.....	[a]70.6	.....	[c]50.4	.....	[f]41.8	.....	[a]30.1	.....	.....	.....
NORTHERN DIVISION																										
Alpena	32.0	.....	35.4	.....	34.9	.....	44.8	.....	56.6	.....	62.0	.....	66.5	.....	63.3	.....	63.3	.....	[c]45.2	.....	36.7	.....	26.8	.....	47.3	.....
Benson	34.7	.....	39.4	.....	41.0	.....	53.8	.....	62.8	.....	67.4	.....	73.9	.....	70.0	.....	68.3	.....	49.1	.....	40.9	.....	[f]30.0	.....	52.6	.....
Bens Run	34.8	+2.7	41.1	+9.3	42.5	-0.7	56.6	+1.2	66.2	+3.0	72.5	+2.2	77.6	+2.7	73.8	0	70.4	+2.7	54.3	-3.4	44.6	+1.3	33.2	-0.2	55.6	+2.0
Brownsville	35.2	.....	40.2	.....	41.8	.....	54.1	.....	63.6	.....	68.7	.....	75.0	.....	71.2	.....	69.6	.....	49.7	.....	41.8	.....	30.9	.....	53.5	.....
Buckhannon	35.5	+3.8	39.2	+7.7	39.8	-0.8	52.5	+1.4	62.4	+0.5	67.3	-1.5	72.2	+0.2	69.2	-1.1	67.1	+3.1	49.5	-3.9	41.2	-0.2	31.3	-1.7	52.3	+0.6
Cairo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	71.2	1.6	69.8	+1.9	51.2	5.6	42.1	-1.4	[a]33.2	-1.0	.....	.....
Clarksburg	32.4	.....	38.0	.....	38.6	.....	53.0	.....	63.0	.....	69.4	.....	75.1	.....	70.8	.....	69.6	.....	46.6	.....	40.4	.....	29.7	.....	52.5	.....
Creston	35.2	+1.8	41.1	+8.3	42.7	-1.5	54.8	+1.8	65.1	+1.6	67.9	-2.7	76.7	+2.1	72.8	-0.6	69.4	+2.2	51.0	-1.8	42.7	-1.0	33.0	-0.9	54.4	+0.5
Elkins	33.2	+2.8	36.9	+5.3	36.6	-3.4	50.1	+1.3	60.0	+0.8	65.1	1.8	70.0	0.3	66.6	-2.5	66.2	+3.2	47.5	-4.8	38.7	-1.6	28.2	4.5	49.9	0.5
Fairmont	33.5	+1.6	39.4	+7.3	40.2	-1.8	55.5	+3.8	65.7	+4.0	71.5	+1.1	76.8	+3.0	72.8	0	71.5	+4.6	52.0	-2.9	42.4	0	[a]31.0	-2.5	54.4	+1.6
Glenville	36.6	+3.5	42.4	+9.7	43.2	-1.1	56.2	+2.8	65.6	+2.1	70.2	-0.6	76.8	+1.9	71.3	-1.8	69.3	+1.6	52.0	-4.0	44.1	+0.8	32.8	-2.2	55.1	+1.1
Grafton (near)	[a]31.9	0	[a]37.3	+0.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31.9	2.0	.....	.....
Janelew	36.3	.....	41.2	.....	41.6	.....	54.9	.....	64.0	.....	70.0	.....	75.1	.....	71.0	.....	70.8	.....	51.0	.....	42.9	.....	32.4	.....	54.3	.....
Lost Creek	34.7	+2.0	39.8	+8.8	40.6	-1.8	53.8	+2.6	62.2	+1.1	68.6	+0.8	71.6	+2.4	71.8	+0.8	70.4	+5.5	50.8	-4.0	41.8	-0.4	31.0	-2.8	53.3	+1.3
Mannington	33.6	+2.4	38.5	+7.5	39.5	-2.4	52.4	+1.2	61.4	+0.4	66.6	-1.5	71.9	0	68.4	-2.5	67.2	+2.6	48.8	-5.7	40.9	-0.5	30.6	-1.9	51.6	0
Morgantown	34.6	+2.7	40.2	+8.9	40.0	-2.0	53.1	+1.9	62.8	+0.3	69.1	0	73.8	+0.5	70.4	-1.9	69.8	+2.6	50.5	-5.0	44.3	+0.9	31.4	-2.1	53.3	+0.6
New Cumberland	[a]28.8	+0.6	[a]37.4	+9.7	[a]36.2	-3.8	[a]50.2	+0.9	[d]63.0	+2.3	[d]69.0	+1.1	[d]74.3	+1.5	[a]70.2	-0.7	[d]68.7	+3.8	[a]51.0	-3.5	[a]41.0	-0.3	[a]30.8	0	51.7	+1.0
New Martinsville	35.1	+2.3	41.0	+8.8	42.4	-1.2	55.7	+2.7	64.8	+1.2	71.0	-0.4	74.9	-0.4	73.3	-0.8	[j]74.1	+7.7	54.2	-2.9	44.5	0	32.6	-2.2	55.3	+1.2
Parkersburg	34.4	+1.9	41.4	+7.2	40.8	-2.0	56.0	+2.6	65.6	+1.8	72.4	+1.0	78.4	+3.0	73.8	-0.1	70.8	+3.5	53.4	-2.7	44.8	+1.0	33.4	-1.8	55.4	+1.2
Parsons	34.0	+2.8	37.3	+7.6	37.4	-2.9	50.8	+2.1	.....	.....	[j]68.5	+2.4	71.7	+1.6	68.6	-0.3	69.0	+6.1	50.6	-2.4	41.3	+0.4	28.8	-2.4	.....	.....
Pickens	30.0	0	34.2	+3.4	34.0	-5.4	47.2	-1.0	56.6	-1.6	[c]63.1	-1.8	66.8	-1.6	60.6	-6.6	57.1	-3.1	41.2	-9.4	40.2	+0.8	28.5	-3.5	46.6	-2.4
Terra Alta	30.0	+2.2	35.1	+7.3	[a]34.3	-4.7	47.9	+0.7	58.0	-1.0	63.2	-2.6	67.6	-1.5	64.1	-3.8	63.3	+1.0	45.3	-6.3	37.8	-3.7	26.1	-3.9	47.7	-1.4
Valley Chapel	36.4	.....	40.9	.....	41.8	.....	54.7	.....	64.2	.....	69.4	.....	76.0	.....	72.3	.....	71.0	.....	51.3	.....	42.0	.....	32.0	.....	54.3	.....
Wellsburg	31.5	+1.8	39.0	+11.5	38.8	-0.4	51.8	+2.8	61.6	+1.1	67.6	0	73.2	+1.4	69.1	-1.3	67.3	+3.1	48.8	-5.3	41.2	-0.1	31.1	+0.1	51.8	+1.2
Weston	37.4	+4.0	40.7	+8.8	41.6	-2.2	54.3	+1.8	65.2	+2.1	70.0	-0.3	76.0	+1.7	73.6	+0.6	71.0	+4.2	50.4	-5.1	42.8	-0.5	33.0	-1.6	54.7	+1.1
Wheeling	29.6	-0.7	38.2	+7.4	[a]37.2	-4.0	53.4	-1.3	62.7	0	69.3	-1.6	74.7	0	[a]69.8	-3.6	[a]70.1	+3.7	[a]51.4	-4.2	41.8	-0.3	30.9	-0.7	52.4	-0.4
SOUTHERN DIVISION																										
Bancroft	34.4	0	40.8	+7.1	41.4	-3.1	55.4	+2.1	65.1	+1.3	71.0	+0.1	77.9	+3.1	72.0	-1.6	70.0	+1.7	52.8	-4.6	44.1	-0.4	32.6	-2.3	54.8	+0.3
Beckley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51.3	-2.4	46.2	+3.8	32.5	-0.9	.....	.....
Bluefield	[e]37.0	+2.5	[e]43.4	+9.5	[c]42.0	-2.3	[d]54.0	+0.8	[e]63.6	+1.7	[e]68.3	-0.5	[e]73.7	+2.1	[e]68.8	-2.1	[f]69.6	+3.9	[d]52.2	-3.8	[f]43.1	-1.0	[e]32.6	-2.6	54.0	+0.7
Charleston	37.3	-0.4	41.4	+5.5	44.4	-3.6	58.2	+2.1	67.9	+2.4	71.6	-1.4	79.6	+3.0	74.6	-0.8	73.6	+3.0	56.8	-2.1	46.5	-1.3	35.9	-2.6	57.6	+0.3
Gary	37.0	+2.8	42.2	+5.4	40.9	-2.5	54.9	+1.3	63.8	-2.8	66.3	-2.7	74.1	+1.5	70.2	-1.6	[e]70.2	+1.7	51.2	-4.0	43.2	-1.4	[a]33.4	-3.6	54.0	-0.5
Hinton	35.0	+0.8	41.6	+7.6	41.2	-3.0	54.9	+2.0	66.1	+2.3	71.2	+0.7	77.9	+3.8	71.2	-0.4	[d]68.4	+0.8	[k]50.0	-6.6	[c]43.2	-0.8	[a]31.8	-3.1	54.4	+0.3
Huntington	38.6	+5.8	45.8	+13.2	47.2	+2.6	60.4	+6.2	68.6	+3.7	75.0	+2.4	81.5	+5.1	77.0	+2.2	73.0	+4.8	56.0	-0.2	47.6	+4.0	37.2	+2.8	59.0	+4.4
Lewisburg	34.6	+2.7	40.4	+8.4	40.6	-1.5	52.2	+2.1	62.0	+1.4	66.8	+0.4	72.6	+1.6	68.6	-1.3	68.6	+4.5	50.2	-3.4	40.8	-0.7	29.6	-2.6	52.2	+1.0
Marlinton	30.2	+2.5	35.1	+5.5	35.1	-3.2	47.1	+0.3	57.6	+0.6	62.3	-2.2	67.3	0	63.5	-3.3	62.8	+1.4	44.3	-5.5	34.8	-2.8	23.2	-6.2	46.9	-1.1
Point Pleasant	34.2	+0.6	43.1	+9.5	44.4	-1.0	58.0	+3.1	66.1	+0.9	72.2	-0.2	76.6	+0.2	73.8	-0.8	71.4	+2.2	54.2	-3.4	46.4	+1.4	33.9	-1.3	56.2	+0.9
Rainelle	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[f]47.6	.....	38.4	.....	28.2	.....	.....	.....
Ravenswood (Dam 22)	35.3	.....	42.7	.....	43.6	.....	56.3	.....	65.6	.....	72.8	.....	79.1	.....	74.1	.....	70.9	.....	53.2	.....	45.6	.....	34.2	.....	56.2	.....
Richwood	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[a]48.8	.....	[a]40.5	.....	[a]29.8	.....	.....	.....
Robertsburg	33.2	0	41.0	+8.1	40.4	-4.2	54.4	+1.5	64.6	+0.7	71.2	-0.1	78.4	+3.0	72.4	-2.4	70.4	+2.3	52.4	-5.0	42.6	-0.6	32.2	-1.8	54.4	+0.1
Ryan	32.4	0	39.1	+5.9	38.7	-5.2	51.3	-1.1	61.2	-1.0	66.8	-2.3	77.4	+4.1	70.8	-2.3	68.4	+2.1	50.8	-4.0	41.5	-1.4	30.1	-3.8	52.4	-0.8
Spencer	35.4	+1.8	42.2	+8.4	41.4	-1.5	55.0	+2.5	[a]63.6	+1.1	70.0	+0.1	76.4	+2.8	73.2	+0.5	69.9	+4.0	51.6	-3.6	44.4	+1.0	32.9	-1.6	54.7	+1.3
Sutton	37.6	+4.0	42.4	+7.9	42.4	-3.2	55.0	+1.9	64.6	-0.7	69.6	-3.2	75.8	-0.4	72.2	-0.5	70.8	+0.7	[f]47.5	-9.3	42.6	-1.2	32.0	-1.6	54.4	0.5
Union	[d]36.8	+4.2	[d]41.7	+8.6	[e]42.8	-0.2	[d]53.8	+3.2	[d]64.5	+3.7	[e]69.1	+2.1	[d]75.2	+4.2	[e]70.8	+0.2	[d]71.2	+4.9	52.2	-1.9	[e]42.0	+1.0	[d]30.2	-1.7	54.2	+2.4
White Sulphur Springs	[a]30.0	+0.1	[a]36.9	+2.3	[a]36.2	-8.5	[a]52.1	+0.9	[a]61.8	+1.4	[a]67.1	-0.9	[a]72.6	+2.0	[a]68.9	-1.6	[a]66.8	+2.4	[a]49.0	-4.2	[a]37.4	-5.0	[a]26.8	-6.6	50.5	-1.5
Williamson	[a]38.4	+2.5	[a]45.4	+9.3	[a]46.5	-0.3	[a]61.7	+6.7	[a]69.6	+4.2	[a]75.8	+3.8	[a]82.8	+7.3	[a]77.6	+2.7	[a]75.9	+6.6	[a]54.0	-4.4	[a]45.8	+0.6	[a]35.6	-1.3	59.1	+3.1

Reference letters indicate number of days missing; [a] one day, [b] two days, etc.

THE WEATHER BY MONTHS (Continued from page 49)

FEBRUARY.—February was warm, with the precipitation slightly less than one-half an inch below the normal. In only three years of record was the average February temperature higher. The snowfall was unusually light, being the lightest of February record over the western counties. The month was favorable for outdoor work and winter grains.

MARCH.—March was also drier than usual. On the 16-18th buds formed on cherry, plum and peach trees, but bud development was checked by colder weather during the last two decades. With the exception of one or two days the night temperatures fell to freezing or below in all parts of the State after the 19th. The fruit crop was safe at the close of the month.

APRIL.—April was warm and exceptionally dry In only three previous years was the April precipitation lighter. Only traces of snow fell in most of the agricultural districts. Freezing temperature during the early mornings from the 23d to the 27th caused great damage to fruit bloom and grape vines Many fields of young plants were killed.

MAY.—May was also exceptionally dry. The combined rainfall for April and May was the lightest of State record for that period. The first half of the month was decidedly warm and the last half decidedly cool, with the exception of a few days in each period. After the 25th the temperature was near or considerably below freezing in most portions of the State, causing a marked apple-drop and damaging beans, potatoes and corn. At the close of May a severe drought prevailed.

JUNE.—The weather for June was also exceptional. A severe drought prevailed, probably the most severe of record over the southern and eastern counties. All crops suffered severely from lack of moisture and crops in many localities were practically failures. The lowest temperature of June State record occurred on the 1st, causing much damage to crops. A temperature of 105° occurred on the 24th, the highest of June record, except in 1925

JULY.—The rainfall for July was the least of July State record. For the past four months, including July, the rainfall deficiency was 7.40 inches, and from the first of the year the deficiency was 10.66 inches. The most destructive drought of State record prevailed. Small streams were dry and many wells failed, causing an acute shortage of water for stock and manufacturing purposes. The temperature was high. A maximum of 109° was reached at Moorefield, the highest of State record for July.

AUGUST.—The temperature was unusually high during the first decade, and the highest temperature of August State record, 112°, was reached on the 4th Cool weather prevailed during the last two decades The lowest temperature of August State record, 30°, occurred at two stations on the 12th, when light to killing frost occurred in the mountain counties, doing considerable damage to staple crops. The severe drought continued unabated, the rainfall for August being but slightly more than half the normal. Great damage resulted to all staple crops. Pastures and meadows were burned brown.

SEPTEMBER.—September was also exceptionally dry, the rainfall being less than half the normal. Rivers and streams continued low during the month and the water supply for all purposes was exceptionally low. The month closed cool, with light to heavy frosts.

OCTOBER.—The severe summer drought continued through October, the October rainfall being considerably the lowest of any month of the year. The precipitation was insufficient to reach the smaller streams. Freezing temperature and killing frost occurred in most sections on the 20th and on the 22d the temperature fell to the October record up to that date.

NOVEMBER.—The November precipitation was only about one-half the normal. The snowfall, however, was more than twice the normal. Most of the snow melted before the close of the month. A cold wave prevailed on the 27-28th, when the temperature fell to near zero to more than 10° below zero. Moderately warm weather prevailed during the second decade.

DECEMBER.—December averaged cold and dry, making the precipitation below the normal for every month of the year. It was the coldest December since 1919. A temperature of zero or below was noted at slightly more than one-third of the stations. While the precipitation averaged light it was enough to fill and washout the streams and break the longest and most severe drought of State record. The snowfall was considerably above the normal.

ERRATUM

The following change should be made in published report for 1930:
May.—Weston, make greatest 24-hour precipitation 0.40 inch on the 16th.

Monthly and Annual Precipitation for the Year 1930, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
PANHANDLE DIVISION																										
Bayard	3.49	-1.60	3.02	-0.37	3.25	-1.21	3.14	-0.75	3.09	-1.41	5.07	+0.02	2.70	-2.30	1.89	-2.63	2.21	-1.54	0.70	-2.75	1.03	-1.81	3.91	-0.06	33.50	-16.41
Brandywine	0.70	-1.75	0.95	-0.78	1.30	-1.58	1.30	-1.34	0.65	-2.31	2.95	-0.31	0.20	-3.43	1.50	-1.58	1.55	-1.03	1.15	-0.77	1.10	-0.69	2.60	+0.76	15.95	-14.81
Harpers Ferry	1.74	-0.93	1.26	-1.16	3.26	+0.30	2.74	-0.23	1.47	-1.26	3.35	-0.30	0.18	-3.28	0.88	-2.99	0.70	-2.09	0.26	-2.69	0.74	-1.53	3.51	-0.99	20.09	-17.15
Kearneysville	...	...	...	...	...	...	...	...	...	...	3.80	...	0.30	...	1.01	...	1.83	...	0.41	...	0.41	...	1.08	...	...	...
Martinsburg	1.44	-0.77	2.23	-0.20	2.76	-0.54	2.47	-0.57	0.92	-3.08	3.13	+0.64	1.28	-2.50	1.08	-2.73	1.79	-1.08	0.47	-2.09	0.75	-1.51	3.11	+0.38	21.43	-14.05
Moorefield	1.22	-1.28	1.06	-1.29	1.42	-1.23	1.49	-1.34	1.00	-2.52	4.87	+0.97	0.56	-2.96	0.88	-2.28	0.54	-2.14	0.08	-2.10	0.67	-0.97	3.05	+0.85	16.84	-16.29
Piedmont	1.73	-0.97	1.05	-1.61	1.32	-1.68	2.54	-0.48	1.97	-1.43	2.67	-0.89	1.36	-2.20	2.00	-1.59	1.05	-1.31	0.18	-2.62	1.07	-0.94	2.77	+0.27	19.71	-15.45
Romney	0.73	-1.96	1.26	-0.92	1.89	-1.13	1.82	-1.04	0.93	-2.82	3.19	-0.72	0.45	-3.17	1.54	-2.45	1.73	-1.03	†0.10	-2.46	0.66	-1.30	3.26	+0.84	17.56	-18.16
Stony River Dam	1.04	-1.92	2.39	-0.49	4.06	+0.82	4.08	+0.11	1.87	-2.78	3.52	-0.36	2.44	-1.93	1.40	-3.51	0.92	-2.09	0.84	-2.49	1.68	-1.55	3.04	-0.33	27.28	-16.52
Upper Tract	0.58	-1.77	1.08	-0.50	0.20	-2.10	0.95	-1.07	0.70	-2.28	1.90	-1.73	0.66	-3.02	0.70	-2.65	1.10	-1.29	†0.12	-2.01	†0.75	-0.75	0.76	-1.22	9.50	-20.39
Wardensville	0.84	...	1.28	...	1.10	...	†1.40	...	0.64	...	2.50	...	0.06	...	0.76	...	1.64	...	0.39	...	1.17	...	3.05	...	14.83	...
NORTHERN DIVISION																										
Aberdeen	1.72	...	2.63	...	3.46	...	1.71	...	2.67	...	4.07	...	3.03	...	1.46		1.95	...	0.76	...	1.29	...	2.80	...	27.55	...
Alma	1.92	...	3.10	...	4.33	...	2.18	...	2.19	...	2.97	...	1.48	...	2.62	...	1.12		0.56	...	0.76	...	2.38	...	25.61	...
Alpena	1.79	...	2.48	...	3.87	...	3.31	...	2.11	...	3.48	...	2.82	...	2.00	...	1.11	...	0.70	...	2.24	...	4.09	...	30.00	...
Benson	1.71	...	3.15	...	3.86	...	1.31	...	2.14	...	2.37	...	1.00	...	1.66	...	1.31	...	0.65	...	1.21	...	3.14	...	23.51	...
Bens Run	2.45	-1.46	3.24	+0.05	4.03	-0.11	1.66	-2.42	1.89	-2.64	2.09	-2.43	1.82	-2.73	2.14	-2.10	2.36	0	0.74	-2.37	1.09	-1.76	2.12	-1.64	25.63	-19.61
Brownsville	1.68	...	3.16	...	3.07	...	1.81	...	2.26	...	3.25	...	1.37	...	2.06	...	1.67	...	1.06	...	1.48	...	2.78		25.65	...
Bruceton Mills	2.12	-3.14	3.71	+0.35	3.46	+0.05	2.11	-1.59	2.75	-1.66	6.42	+1.84	1.50	-3.80	...	...	...	...	...	...	...	...	3.06	-0.54	...	...
Buckhannon	2.43	-2.08	3.09	-0.77	3.60	-0.92	1.80	-2.46	2.82	-1.78	4.08	-0.81	3.41	-1.93	1.55	-2.57	1.72	-1.41	1.38	-2.08	1.74	-1.71	3.72	-0.29	31.34	-18.79
Cairo	...	...	...	...	...	...	...	...	...	...	...	...		...	1.96	-1.66	0.74	-1.87	0.52	-2.56	1.00	-1.67	2.21	-1.55	...	...
Clarksburg	1.54	...	3.39	...	3.17	...	1.20	...	1.69		2.90		0.84	...	1.48	...	1.40	...	0.53	...	1.03	...	2.48	...	21.65	...
Cortland	...	...	2.84	-1.05	2.39	-1.76	...	...	...	...	2.48	-2.30	1.61	-4.39	1.81	-2.33	0.62	-2.86	1.19	-2.17	...	...	...	...	...	...
Crawford	2.15	...	2.35	...	3.07	...	2.24	...	2.45	...	3.59	...	2.19	...	2.13	...	1.66	...	0.87	...	1.26		3.07	...	27.03	...
Creston	2.53	-1.32	3.32	+0.43	4.21	+0.19	1.74	-2.27	1.97	-1.94	1.45	-2.82	1.50	-2.72	2.75	-0.70	1.03	-1.55	0.52	-2.49	1.09	-1.41	2.16	-1.17	24.27	-17.77
Dam 10, Mon. R.	1.72	...	2.84	...	5.03	...	1.88	...	3.16	...	4.48	...	2.50	...	1.92	...	1.53	...	0.80	...	1.05	...	2.74	...	29.63	...
Dam 12, O. R.	1.87	-1.27	2.80	+0.57	4.04	+0.75	1.34	-1.68	1.89	-1.43	2.28	-1.41	2.30	-1.12	0.97	-3.80	3.25	-0.49	0.87	-2.33	0.54	2.30	2.23	-0.79	24.38	-15.30
Dam 13, O. R.	1.79	-1.49	2.39	+0.07	3.57	+0.56	1.55	-1.46	1.59	-2.02	2.05	-1.45	2.46	-1.39	1.43	-3.10	2.52	-1.34	0.80	-2.26	0.46	-2.26	1.95	-1.35	22.56	-17.49
Dam 15, Mon. R.	1.85	...	3.21	...	3.55	...	1.96	...	2.21		4.29	...	1.44	...	1.74	...	1.61	...	0.73	...	0.93	...	2.85	...	26.37	...
Davis	1.60	-3.78	2.65	-1.69	3.72	-0.77	2.92	-1.55	2.21	-2.48	5.31	-0.10	2.63	-2.71	2.03	-2.99	1.45	-2.44	1.11	-2.88	1.69	-1.52	5.04	+0.25	32.36	-22.66
Elizabeth	2.55	-2.07	2.82	+0.16	3.57	-0.51	1.46	-2.16	1.24	-2.45	1.20	-2.62	1.56	-2.73	2.59	-1.78	0.48	-2.21	0.56	-3.19	0.99	-1.48	2.16	-1.15	21.18	-22.19
Elkins	1.55	-2.23	2.78	-0.30	3.47	-0.33	3.16	-0.46	1.98	-2.07	3.80	-1.26	3.01	-2.37	1.28	-2.58	1.44	-1.71	0.82	-2.09	1.46	-1.32	3.63	+0.17	28.38	-16.55
Fairmont	2.11	-1.84	3.13	0	3.17	-0.77	0.79	-2.55	2.46	-1.44	4.40	0	1.50	-3.10	1.92	-1.77	1.50	-1.39	0.71	-2.15	1.01	-1.86	3.57	+0.18	26.27	-16.69
Glenville	2.20	-2.15	3.36	-0.37	3.98	-0.26	2.06	-1.68	3.58	-0.63	2.48	-1.94	0.99	-4.30	2.72	-1.19	0.92	-2.35	0.79	-2.26	1.60	-1.38	3.13	-0.56	27.81	-19.07
Grafton	1.86	-2.41	2.85	-0.38	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3.07	-0.44	...	...
Horner	1.99	...	2.43	...	3.20	...	0.80	...	1.99	...	3.01	...	2.20	...	2.14	...	2.42	...	1.35	...	1.10	...	1.89	...	24.52	
Horton	1.20	...	2.38	...	4.26		2.81	...	1.95	...	3.71	...	4.66	...	2.56	...	0.81	...	0.46	...	3.08	...	5.45	...	33.33	...
Horton																										
Janelew	1.40		1.61	...	2.67	...	1.63	...	2.39		3.50	...	2.85	...	1.75	...	1.15	...	0.80	...	1.20		2.73	...	23.68	...
Lost Creek	1.59	-2.47	3.08	+0.02	3.61	-0.48	2.20	-1.16	1.77	-2.52	3.22	-0.97	1.50	-3.28	1.34	-2.68	1.39	-1.39	0.85	-1.88	1.21	-1.29	3.26	-0.23	25.02	-18.33
Mannington	2.14	-2.47	3.15	+0.36	4.64	+0.89	1.99	-1.98	2.04	-2.01	4.31	+0.09	2.71	-2.26	1.86	-2.06	1.19	-1.98	0.79	-2.15	1.30	-1.20	2.77	-0.75	28.89	-15.52
Morgantown	1.29	-2.45	1.81	-1.24	2.89	-0.70	1.42	-1.80	2.85	-0.71	5.35	+0.81	1.96	-3.02	1.85	[illegible]	1.37	-1.80	1.62	-1.52	0.81	-2.07	1.90	-1.14	25.15	-17.94
New Cumberland	2.95	+0.13	2.78	+0.38	3.05	-0.18	1.73	-1.54	2.41	-0.93	4.98	+0.48	1.81	-2.32	1.87	-1.61	1.57	-1.51	1.33	-1.45	0.66	-1.46	2.10	-0.61	27.24	-10.62
New Martinsville	2.02	-1.74	3.65	+0.67	4.15	+0.50	1.65	-1.94	2.50	-1.24	2.26	-1.81	1.72	-3.08	0.95	-2.55	1.37	-1.26	0.90	-1.98	0.88	-1.76	2.00	-1.56	24.05	-17.75
Parkersburg	2.16	-1.42	2.30	-0.83	3.55	+0.06	1.45	-1.74	1.29	-2.09	1.17	-2.83	1.24	[illegible]	1.63	-1.88	1.01	-1.75	0.68	-1.80	1.11	-1.46	2.11	-0.92	19.70	-19.71
Parsons	2.70	-2.07	3.30	-0.12	3.67	-0.39	2.36	-1.49	†2.90	-1.00	3.88	-1.36	2.98	-2.14	1.51	-2.28	1.27	-1.85	0.88	-2.00	1.15	-1.39	3.62	-0.17	30.22	-16.25
Parsons (No. 2)	1.22	-3.55	2.37	-1.05	3.16	-0.90	2.73	-1.12	2.93	-0.97	3.72	-1.52	3.21	1.91	1.83	-1.96	1.58	-1.54	0.96	-1.92	1.25	-1.29	3.81	+0.02	28.77	-17.71
Philippi	2.01	-2.32	3.35	-0.02	3.90	-0.30	2.77	-1.16	3.62	-0.66	3.65	-0.87	3.96	-1.02	2.06	-1.99	1.77	-1.37	0.87	-2.01	0.91	-1.88	3.10	-0.73	31.97	-14.33
Pickens	3.60	-2.95	5.21	-0.11	6.03	+0.11	3.43	-1.83	3.29	-2.19	3.01	-3.23	3.00	-3.41	2.80	-2.66	1.91	-2.26	1.41	-2.90	4.45	+0.21	6.59	+1.13	44.76	-20.09
Roanoke	1.40	...	2.62	...	3.24	...	1.85	...	2.18	...	3.82	...	1.76	...	2.14	...	0.95	...	0.96	...	1.41	...	2.56	...	24.89	...
Rowlesburg	2.22	-2.28	3.97	+0.56	2.96	-1.34	2.92	-1.09	4.99	+0.33	4.83	-0.19	1.94	-3.08	2.82	-1.05	2.12	-0.95	1.02	-2.01	1.54	-1.54	3.81	-0.06	35.14	-12.70
St. Marys	2.33	-2.23	3.02	-0.18	4.33	-0.71	1.66	-2.24	1.72	-2.14	1.25	-2.52	0.79	-3.32	2.04	-2.72	1.98	-0.52	0.78	-2.62	0.86	-1.62	2.61	-0.89	23.37	-21.71
Terra Alta	1.78	-3.52	2.67	-1.10	2.20	-2.62	3.17	-0.85	3.35	-1.64	5.30	-1.68	2.05	-3.51	2.86	-2.13	1.97	-1.66	1.04	-2.58	1.79	-1.29	3.74	-1.42	31.92	-24.00
Thomas	1.61	...	2.79	...	3.05	...	3.11	...	1.98	...	4.42	...	2.70	...	1.87	...	1.77	...	0.96	...	1.87		4.02	...	30.15	...
Valley Chapel	1.51	...	2.89	...	3.50	...	1.35	...	1.71	...	2.57	...	1.69	...	1.92	...	1.23	...	0.69	...	1.07	...	3.14	...	23.27	...
Vandalia	1.96	...	0.96	...	1.48	...	†2.40	...	1.61	...	2.97		2.21	...	2.19		0.41	...	0.85		1.15		2.08	...	20.27	...
Wellsburg	2.69	-0.71	1.77	-1.38	2.58	-0.65	2.60	-0.45	2.40	-1.14	3.56	-0.85	1.46	-2.85	1.86	-2.01	2.18	-1.61	1.20	-1.66	0.59	-1.82	2.03	-0.99	24.92	-15.52
West Milford	1.68	...	3.19	...	3.10	...	2.17	...	2.55	...	3.00		1.49	...	1.32	...	2.00	...	0.55	...	1.34	...	2.22	...	24.61	...
Weston	2.13	-2.04	3.19	-0.55	3.77	-1.00	2.47	-1.58	1.67	-2.64	3.12	-1.43	1.09	-3.88	2.12	-1.81	1.11	-1.78	0.81	-2.30	1.35	-1.98	3.52	-0.18	26.35	-21.17
Wheeling	2.00	-1.16	2.64	+0.12	3.80	+0.70	1.47	-1.66	1.99	-1.50	2.22	-1.59	1.43	-3.07	0.88	-2.80	3.81	+1.08	0.99	-1.57	0.65	-1.86	2.20	-0.81	24.08	-14.12
Woodlands	2.09	...	2.59	...	4.39	...	1.43	...	2.14	...	3.26		1.94	...	1.97		1.89		1.04	...	0.93	...	2.09		25.76	...
SOUTHERN DIVISION																										
Arbovale	1.34	...	1.98	...	2.76	...	2.00	...	1.09	...	2.72	...	1.48	...	1.95	...	1.36	...	0.50	...	2.05		3.35	...	22.58	...
Bancroft	2.63	-1.77	2.27	-0.64	3.50	-0.44	1.07	-2.76	1.81	-2.33	1.37	-2.26	2.34	-1.70	3.88	-0.54	2.46	-0.33	0.83	-2.35	0.94	-1.46	3.07	-0.28	26.17	-16.86
Beckley	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...	0.72	-2.05	1.64	-0.75	1.87	-1.23	...	...
Bluefield	2.04	-1.18	1.87	-1.18	1.52	-2.14	1.50	-1.88	2.48	-1.16	1.30	-3.48	4.65	+0.18	3.24	-1.18	1.11	-1.55	1.89	-1.99	2.71	+0.43	2.69	-0.22	27.00	-15.35
Camden-on-Gauley	2.29	-1.49	1.94	-1.28	3.24	-1.21	3.75	+0.22	4.33	-0.87	2.97	-2.17	1.27	-3.78	3.04	-1.75	1.94	-1.40	1.40	-1.50	1.57	-2.13	2.50	-1.90	30.21	-19.26
Charleston	1.68	-2.28	2.80	-0.78	3.54	-0.78	2.08	-1.65	2.04	-1.98	1.58	-2.85	3.08	-1.20	3.71	-0.81	1.33	-1.76	0.82	-2.12	1.37	-1.75	2.10	-1.41	26.13	-19.37
Clay	1.56	-2.09	2.05	-1.26	3.68	-0.15	1.35	-1.99	2.62	-1.51	1.94	-2.22	2.06	-2.13	2.71	2.71	2.06	-1.40	1.00	-2.27	2.05	-1.64	3.22	-0.86	26.30	-19.63
Dam 6 G. K.	1.19	...	2.60	...	2.71	...	1.53	...	1.47	...	1.81	...	2.27	...	4.31	...	1.52	...	0.58	...	1.24	...	†2.10	...	23.33	...
Dam 19 O. R.	1.82	-1.98	2.73	+0.16	3.73	-0.27	1.56	-2.01	1.67	-2.66	1.37	-1.66	2.05	-2.30	2.31	-1.78	1.39	-2.37	1.21	-2.26	0.92	-2.44	2.72	-0.70	23.48	-20.27
Dam 20 O. R.	1.89	-1.96	2.97	-0.04	3.50	-0.42	1.21	-2.27	1.48	-2.34	1.60	-2.28	2.04	-1.75	2.44	-2.17	1.19	-2.13	0.85	-2.74	1.06	-2.03	2.64	-0.90	22.87	21.03
Dam 25 O. R.	1.94	...	2.50	...	2.72	...	1.61	...	2.02	...	2.35	...	2.54	...	2.80	...	1.29	...	1.31	...	1.27	...	2.56	...	24.91	...
Dam 26 O. R.	2.07	...	2.87	...	2.34	...	1.40	...	1.28	...	0.95	...	1.98		3.47	...	1.62	...	1.01	...	1.03		2.44	...	22.46	
Gary	1.56	-2.50	1.89	-1.76	2.10	-1.44	2.09	-1.43	3.11	-0.96	2.26	-2.82	2.09	-2.19	5.07	+0.40	1.23	-2.22	1.51	-2.16	2.46	-0.48	2.11	-1.73	27.48	-19.29
Hinton	1.41	-1.80	1.82	-1.22	2.01	-2.04	1.31	-1.97	1.52	-2.25	1.13	-3.10	1.59	-2.36	1.66	-2.20	0.55	-2.21	0.69	-1.87	1.85	-0.35	2.65	-0.15	18.19	-21.52
Huntington	2.04	-1.86	3.00	-0.13	2.59	-1.74	1.01	-2.60	1.85	-2.16	1.06	-3.18	1.00	-3.21	3.03	-0.51	1.78	-0.94	0.87	-1.51	1.23	-1.56	2.31	-1.33	21.77	-20.73
Kanawha Falls	1.25	-2.18	2.72	+0.26	2.27	-0.64	2.22	-1.54	2.54	-1.74	1.44	-2.88	1.65	-3.46	1.81	-3.10	2.29	-0.85	1.05	-2.49	2.14	-1.43	1.97	-1.26	23.35	-21.31
Kayford	2.08	-3.02	2.32	-0.56	2.91	-2.65	1.95	-2.57	3.45	-1.45	1.82	-3.99	7.02	+2.30	4.12	-1.31	1.15	-2.70	1.04	-2.79	2.45	-1.40	3.25	-1.28	33.56	-21.42
Kermit	2.18	...	2.74	...	2.19	...	0.39	...	2.24	...	1.34	...	0.79	...	2.20		1.33	...	0.89		1.62	...	2.69	...	20.60	...
Kingston	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.50	...	2.38	...	...	...
Lewisburg	1.63	-1.87	2.25	-0.71	1.04	-2.66	1.65	-1.81	1.94	-1.32	1.17	-2.90	3.01	-0.96	1.09	-2.91	0.36	-2.42	0.95	-2.14	1.61	-0.92	2.18	-0.98	18.88	-21.60
Logan	1.49	-3.29	3.04	-0.06	2.58	-2.67	1.11	-3.69	2.56	-1.60	1.69	-3.72	1.23	-4.67	3.01	-0.64	1.00	-1.99	1.84	-1.91	1.87	-1.00	1.99	-2.59	23.41	-27.83
Marlinton	2.24	-1.84	2.54	-0.96	3.45	-0.87	4.16	+0.69	2.80	-1.24	2.44	-2.45	0.86	-4.41	2.67	-2.30	1.34	-1.82	1.30	-1.94	1.67	-1.41	3.25	-0.52	28.72	-19.10
Point Pleasant	2.16	-1.72	3.23	-0.19	3.35	-0.80	1.45	-1.83	2.75	-1.20	1.71	-2.59	1.89	-2.12	2.33	-0.93	0.68	-1.84	1.16	-1.43	1.64	-1.16	2.90	-0.53	25.25	-15.34
Rainelle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.17	...	2.89	...	3.97	...	...	...
Ravenswood (Dam 22)	2.18	...	2.75		3.20	...	1.47	...	1.36	...	1.65	...	1.41	...	2.83		0.86	...	1.39		1.28	...	2.49		22.87	...
Richwood	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.39	...	1.55	...	1.06	...	3.31	...	2.59		...	...
Robertsburg	2.25	-1.75	2.68	-0.34	2.62	-1.46	1.27	-2.47	0.87	-2.73	1.15	-2.90	1.22	-2.52	2.11	-1.14	1.36	-0.95	0.87	-1.91	1.18	-1.19	2.41	-1.05	19.99	-20.41
Ryan	2.12	-2.10	2.88	-0.49	4.23	-0.09	1.48	-2.37	1.53	-2.17	2.01	-2.46	2.03	-2.53	2.69	-1.17	1.10	-1.69	0.86	-2.59	1.68	-0.80	2.71	-0.74	25.32	-19.20
Sharples	1.06	-2.17	1.90	-1.16	2.85	-0.78	1.31	-2.47	2.37	-1.85	2.80	-1.99	2.11	-2.85	3.63	-1.06	1.35	-1.98	1.50	-1.24	1.85	-1.62	1.71	-1.91	24.44	-21.08
Spencer	2.00	-2.40	3.19	+0.15	4.13	+0.19	1.39	-2.24	2.36	-1.34	1.68	-2.67	1.12	-3.17	3.93	+0.37	1.17	-1.87	0.75	-2.46	1.55	-0.93	2.65	-0.72	25.92	-17.69
Sutton	3.17	-1.85	3.99	+0.69	3.67	-0.36	2.65	-1.54	4.35	-0.14	2.75	-2.28	1.80	-3.37	4.00	+0.26	2.05	-1.11	1.05	-2.04	2.36	-1.60	3.93	-0.01	35.77	-13.35
Union	2.39	-1.22	1.84	-0.87	1.99	-1.45	1.33	-1.84	1.13	-1.84	1.06	-3.10	0.91	-3.14	1.93	-1.91	0.88	-1.73	1.10	-1.95	2.09	-0.29	2.18	-0.63	18.83	-19.97
Wayne	1.89	...	2.97	...	3.22	...	1.30	...	2.18	...	1.04		1.42	...	3.61	...	1.54	...	1.58	...	1.63	...	2.41	...	24.79	...
White Sulphur Springs	1.37	-1.21	1.55	-2.67	1.20	-3.92	1.70	-1.38	2.25	-1.62	0.90	-3.73	1.30	-3.75	1.20	-2.46	0.45	-2.68	0.80	-2.02	1.71	-0.69	1.45	-1.71	15.88	-27.84
Williamson	1.80	-2.52	4.06	+0.91	4.06	-0.54	1.29	-1.96	4.13	+0.32	2.64	-1.99	2.17	-2.09	4.24	+0.70	1.90	-1.12	0.93	-1.83	2.40	-0.19	2.05	-1.79	31.67	-12.10

† Interpolated; annual total partly interpolated

(WBO, Cleveland, 2-19-31-1200)

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

HENRY C. HOWE, Meteorologist

Vol. XXXIX Parkersburg, W. Va., January, 1931 No. 1

GENERAL SUMMARY

Following the driest year of State record, the past month, with an average precipitation of 1.37 inches, was the driest January of record. The average departure from the normal was −2.49 inches. While last year's drought was partly broken in December, a marked drought prevailed at the close of January. Streams continued low and water for nearly all purposes was scarce. The average snowfall was less than one-half the normal and the ground was practically bare in most of the agricultural regions during the cold periods of the month. The temperature averaged considerably above the normal and moderately cold weather prevailed only on three or four days. The conditions were generally favorable for outdoor work and for winter grains.

TEMPERATURE

The monthly mean for the State, determined from 53 stations, was 33.7°. The departure from the normal for 42 stations having ten or more years of record was +1.7°. Moderately cold weather prevailed on the 1st-2d, 14-16th, and 22-23d, with the lowest readings occurring on the 2d, 16th and 22d. The temperature was considerably above the normal on the 5-6th, 17-19th and 24th-31st, with the highest readings on the 25th.

PRECIPITATION

The average precipitation for the State, determined from 90 stations, was 1.37 inches. The departure from the normal for 60 stations having ten or more years of record was −2.49 inches. The precipitation was heaviest over the central counties and generally lightest over the eastern panhandle and the Ohio River counties. Practically all the precipitation was received on the 5-6th, 12th, 14-15th, 19th-21st, and 26-27th The snowfall at about one-fifth of the stations was only a trace. Nearly the entire snowfall was measured on the 5-6th, 13-15th, 20th-21st, and 31st.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 12th; Hinton, 5th, 9th, 23d, and 24th; New Cumberland, 9th and 19th; Richwood, 26th; Terra Alta, 5th, 12th, 27th, and 28th.

Hail: Aberdeen, Glenville, Kingston, Mannington, Martinsburg, and Roanoke, 5th; Wardensville, 9th.

Halos, lunar: Huntington, 28th; Piedmont, 3d; Richwood, 25th.

Sleet: Beckley, 6th; Lost Creek, 5th.

MISCELLANEOUS PHE[illegible]NA (Con[illegible]

Thunderstorms: Aberdeen, Beckley, [illegible]arksburg, Creston, Huntington, Kingston, Point Pleasant, R[illegible]ke, Ryan, and Williamson, 5th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.11	84	69	70	131.6	43	5,090	6.8	26	sw.	30
Columbus, Ohio	30.08	82	68	73	121.9	41	7,457	10.0	34	w.	30
Elkins	30.13	85	70	78	107.4	35	4,362	5.9	33	e.	5
Lexington, Ky	30.15	83	70	...	128.4	42	8,616	11.6	33	w.	30
Parkersburg	30.11	79	64	68	90.1	30	4,151	5.6	26	nw.	30
Pittsburgh, Pa	30.08	76	63	66	160.9	54	7,682	10.3	42	nw.	30
Wytheville, Va	30.09	77	64	66	166.0	54	5,574	7.5	26	w.	30

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	31.7	.....	.....	3.64	.....	.....	.....	.....	.....	.....	.....
1892	29.4	76	− 3	3.15	.....	.....	.....	11	.....	.....	.....
1893	22.6	71	−25	2.49	.....	.....	.....	12	7	7	17
1894	36.6	70	− 8	2.41	4.23	0.83	.....	9	12	8	11
1895	25.0	69	−21	4.48	6.53	2.37	.....	13	6	9	16
1896	32.4	72	− 6	1.57	2.72	0.67	1.8	15	9	14	8
1897	28.8	69	−18	1.70	2.85	0.90	4.0	9	10	7	14
1898	37.1	75	− 5	5.10	8.04	2.24	5.0	12	6	9	16
1899	32.1	70	−21	4.05	7.01	2.05	7.5	11	10	7	14
1900	34.5	74	−10	2.24	3.60	0.82	1.9	10	9	8	14
1901	33.6	69	− 4	2.41	3.87	1.18	7.3	10	8	7	16
1902	30.2	64	− 1	3.65	8.52	1.45	9.8	9	9	7	15
1903	31.8	79	− 7	3.21	6.45	1.55	8.6	11	8	7	16
1904	27.5	72	−18	2.72	5.82	1.24	10.8	11	9	8	14
1905	26.4	70	−14	3.15	7.43	1.48	22.0	13	7	7	17
1906	38.2	80	− 5	3.79	8.70	1.36	5.1	9	11	7	13
1907	38.7	76	−15	**6.41**	11.54	2.35	5.6	14	6	7	18
1908	31.0	62	−16	2.92	8.19	0.50	12.8	11	12	7	12
1909	36.8	76	− 5	3.41	6.59	1.50	8.7	12	8	6	17
1910	32.0	67	− 5	5.68	10.10	2.52	15.4	11	6	6	19
1911	37.3	71	− 5	5.86	**12.63**	3.11	7.0	14	8	6	17
1912	23.5	66	**−34**	2.60	6.93	1.10	13.6	10	7	8	16
1913	**40.7**	74	9	6.23	10.53	1.84	5.7	13	9	6	16
1914	35.8	**83**	−11	3.18	5.65	1.55	15.6	10	7	6	18
1915	31.7	68	− 8	4.85	11.38	2.00	10.4	13	8	6	17
1916	38.8	79	−10	4.86	8.52	1.70	6.1	13	11	7	13
1917	33.2	77	− 9	4.66	7.67	1.72	8.3	12	11	6	14
1918	**20.7**	55	−27	4.24	9.22	2.00	21.5	14	8	5	18
1919	34.1	69	−16	3.79	6.66	1.60	6.9	8	16	4	11
1920	28.7	77	−11	4.12	7.26	0.40	3.9	11	8	6	17
1921	35.5	71	− 2	2.76	5.94	**0.10**	4.3	9	11	6	14
1922	30.2	68	−15	2.75	4.81	1.01	10.8	11	12	6	13
1923	35.2	68	− 1	4.46	7.60	1.13	4.4	14	7	5	19
1924	30.1	70	−15	4.62	7.14	0.62	1.8	10	13	5	13
1925	31.1	65	−27	3.81	7.07	1.32	15.8	13	11	4	16
1926	29.7	66	−23	3.71	7.74	1.78	13.3	11	8	5	18
1927	32.5	74	−14	4.08	9.58	**0.10**	5.9	14	6	5	20
1928	32.0	74	−14	2.18	4.55	0.12	4.0	8	11	7	13
1929	31.4	75	−19	2.92	6.67	1.05	6.1	12	7	5	19
1930	34.0	80	−13	1.86	3.60	0.58	7.0	12	8	6	17
1931	33.7	71	−10	**1.37**	4.09	0.65	3.6	8	10	7	14
1891-1931	32.1	83	−34	3.59	12.63	0.10	8.4	11	9	7	15

Climatological Data for January, 1931

Station	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	30	29.6	+1.2	57	27	-5	22	38	1.80	-3.40	0.53	14.0	8	12	11	8	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	15	32.6	+2.4	60	25	-1	2	35	0.80	-1.27	0.60	T.	2	22	0	9	n.	Elmer Keister
Harpers Ferry	Jefferson	244	42								1.09	-1.51	0.75	0.5	3					J. C. Newcomer
Kearneysville	Jefferson	548	1	34.8		58	24†	10	2	32	1.20		0.60		3	8	10	13	w.	F. J Schneiderhan
Martinsburg	Berkeley	435	39	[a]34.0	+3.4	60[a]	26†	10	16	42[a]	1.18	-1.35	0.75	0.5	4	25	4	2	w.	Dr. H. S Gardner
Moorefield	Hardy	900	35	37.0	+4.5	65	25†	9	16	47	0.65	-1.69	0.37	T.	3	28	1	2		M. S. Henkel
Piedmont	Mineral	1,053	18	33.6	+3.6	60	25	10	22	31	1.46	-1.00	1.13	T.	4	9	7	15	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	33	[a]33.6	+2.5	65[a]	25	2	2	48[a]	0.84	-1.67	0.54		2	14	7	10		George E. Bergdoll
Stony River Dam	Grant	3,300	11								2.35	-0.44	0.82	13.0	13	2	8	21	w.	A. C. Becker
Upper Tract	Pendleton	1,230	32	33.9	+1.5	63	25	3	2	45	0.65	-1.52	0.65		1	12[f]	0[f]	13[f]		J. M. Mallow
Wardensville	Hardy	1,200	14	[b]33.8		68[b]	25	2[a]	2	46[c]	0.70		0.60	T.	2	7[c]	11[c]	10[c]	nw.	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	7								1.45		0.64	2.0	7	7	10	14	w.	L. Else Bond
Alma (near)	Tyler	800	4								0.82		0.30	0.5	5	8	6	17		D. N. Furbee
Alpena	Randolph	2,571	1	28.2		51	25	-7	16	47	2.20		0.48	29.0	12	7	12	12	w.	Christian Hertig
Benson	Harrison	1,080	7	33.8		67	26	-4	2	46	1.17		0.46	2.5	6	9	13	9		John A. Clark
Bens Run	Pleasants	652	[illegible]	35.2	+3.1	62	25	10	2	35	1.01	-3.40	0.35		6	13	9	9		J. D. Riggs
Brownsville	Lewis	1,032	8	33.6		60	25†	-2	2	47	1.44		0.66	2.0	7	12	6	13		George M Meyers
Bruceton Mills	Preston	1,549	14								2.13	-3.13	0.52	5.0	8	2	13	16	w.	Mrs. Wm. Wolf
Buckhannon	Upshur	1,411	34	33.7	+2.0	60	26	0	2	40	1.25	-3.26	0.50	3.5	6	8[a]	5[a]	17[a]		H. A. Darnall
Cairo	Ritchie	680	30	34.6	-0.3	71	25	2	2	46	0.95	-3.60	0.40	0.1	6	7	12	12		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	9	32.0		62	25	-3	2	47	1.00		0.56	3.5	13	3	10	18	w.	Clarksburg Water Board
Crawford	Lewis	1,107	8								1.25		0.41	2.3	9	7	10	14	w.	George W. Blair
Creston	Wirt	640	29	35.0	+1.6	65	25	1	2	40	1.09	-2.76	0.44	0.1	8	12	0	19		J. M. Reed
Dam 10 Mon. R.	Marion	826	10								0.88		0.55	T.	7					Lockmaster
Dam 12 O. R.	Ohio	660	15								0.94	-2.20	0.28		8					Lockmaster
Dam 13 O. R.	Ohio	655	15								0.74	-2.54	0.20		10					Lockmaster
Dam 15 Mon. R.	Monongalia	882	10								0.98		0.58	T	12					Lockmaster
Davis	Tucker	3,093	22								3.17	-2.21	0.95		14					Ross C. Male
Elizabeth (Dam 3 L. K)	Wirt	615	19								1.13	-3.49	0.77	0.5	4					Lockmaster
Elkins	Randolph	1,947	30	30.6	+0.2	59	25	-7	2	55	1.36	-2.42	0.62	9.0	16	2	6	23	w.	U. S. Weather Bureau
Fairmont	Marion	883	25	[a]34.0	+2.1	65[a]	25	8	2	42[a]	1.41	-2.54	0.78	1.8	9	12	2	17	w.	J. C. Robinson
Glenville	Gilmer	738	37	35.8	+2.7	65	25	0	2	49	1.43	-2.92	0.68	0.8	8	7	11	13	w.	Howard R Brannon
Grafton	Taylor	1,000	38	34.5	+2.1	63	25	3	2	44						7	3	21		W. E. Clayton
Horner	Lewis	1,044	8								1.85		0.50		8					Foster R. Hardman
Horton	Randolph	2,840	6								2.35		0.67	17.9	8	9	3	19	w.	J. W. White
Janelew (near)	Lewis	1,020	8	35.8		64	25	0	2	35	1.25		0.60	1.5	5	10	6	15	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	33	34.2	+1.5	62	25	-3	22	49	1.29	-2.77	0.79	3.0	7	10	2	19	w.	Allen Smith
Mannington	Marion	985	28	33.5	+2.3	61	25	-1	2	41	1.38	-3.23	0.39	2.3	13	5	13	13	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	38	34.0	+2.1	61	25	7	22†	37	0.89	-2.85	0.34	1.0	6	11	10	10	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	33	[a]31.4	+3.2	60[a]	25	8	22	40[a]	1.28	-1.54	0.38	1.2	12	7	12	12	s.	C. H. Hesse
New Martinsville	Wetzel	634	37	35.3	+2.5	64	25	9	2	38	0.70	-3.06	0.20	T	5	8	9	14	n.	Wm. Ankrom
Parkersburg	Wood	638	44	36.0	+3.5	65	25	14	2	32	0.91	-2.67	0.49	T.	8	6	6	19	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	31	31.6	+0.4	62	25	-6	2	59	3.79	-0.48	1.00	13.0	13	10	5	16		J. W. Swisher
Parsons No. 2	Tucker	1,649	5								1.20	-3.07	0.50	6.0	8	13	10	8		Robert T. Deem
Philippi	Barbour	1,550	34								2.03	-2.30	0.65	5.0	8					Prof. W. W. Thomson
Pickens	Randolph	2,697	28	28.9	-1.9	57	5	-1	16	34	4.09	2.46	1.07	18.0	12	9	3	19	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	8								1.45		0.46	4.0	10	8	8	15		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44								1.44	3.06	0.74		14					Walter H. Bolyard
Saint Marys	Pleasants	577	22								1.05	-3.51	0.43	T.	9					Wm. Hughes
Terra Alta	Preston	2,559	30	29.4	+1.6	57	26	-4	22	32	1.44	-3.86	0.42	5.5	11	3	11	17	w.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	2								1.57		0.37	13.0	13					H. L. Stiles
Valley Chapel	Lewis	1,011	8	35.0		63	25	3	22	35	1.33		0.57	2.0	6	15	6	10	w.	J. C. Campbell
Vandalia	Lewis	1,120	8								1.05		0.75	5.0	2					James B. Kelley
Wellsburg	Brooke	668	24	32.4	+2.7	61	25	6	22	35	0.84	2.55	0.25	T.	4	11	8	12	w.	George P. Pfister
West Milford	Harrison	979	6								1.05		0.45		6					Miss Dicie E. Wagner
Weston	Lewis	1,026	36	34.8	+1.4	58	27	1	1	42	1.58	-2.59	0.81		11	0	18	13		Weston State Hospital
Wheeling	Ohio	645	44	31.2	+0.6	65	25	6	22	43	0.77	2.39	0.27	0.7	10	10	8	15	sw.	Miss M B. Forsyth
Woodlands	Marshall	637	4								0.87		0.29	1.0	7	6	8	17	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	5								1.41		0.66	5.5	9	14	5	12	w.	H. S. Sutton
Bancroft	Putnam	574	27	35.3	+0.9	66	25	9	2	43	1.48	-2.92	0.55	0.8	7	16	0	15	ne.	R. E. Dent
Beckley	Raleigh	2,440	28	35.5	+2.3	59	25†	4	16	43	0.96	-2.96	0.54	0.5	7	12	7	12		L. A. Mauck
Bluefield [e]	Mercer	2,558	36	35.8	+1.3	59	26	10	16	38	1.27	-1.95	0.75	2.5	8	19	3	4		Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	16								1.40	-2.38	0.88	7.0	4					Miss Katie Jarvis
Charleston	Kanawha	600	28	37.4	-0.3	70	25	9	16	45	1.24	-2.72	0.52	0	7	4	0	27		R. O. Fields
Clay	Clay	706	15								1.37	-2.28	0.71	1.9	5					Chilton Wilson
Dam 6 G. K	Kanawha	598	5								1.29		0.54		8					Lockmaster
Dam 19 O. R.	Wood	600	15								1.13	-2.67	0.64		6					Lockmaster
Dam 20 O. R.	Wood	600	15								1.22	-2.63	0.62		8					Lockmaster
Dam 25 O. R.	Mason	565	4								1.03		0.50		6					Lockmaster
Dam 26 O. R.	Mason	564	15								0.95		0.33		7					U. S. Engineers Office
Gary	McDowell	1,426	15	[e]34.2	0	62[e]	30	4	1	48[e]	1.28	-2.78	0.57	0.8	8					U. S. Coal & Coke Co.
Hinton	Summers	1,431	34	34.6	+0.4	65	24	0	2	45	1.27	-1.94	0.50	0.2	12	7	11	13		Mrs. M. L. McClung
Huntington	Cabell	538	34	39.8	+7.0	67	25	13	2	41	0.76	-3.14	0.42	T.	6	8	10	13	w.	H. N. Robinson
Kanawha Falls	Fayette	618	12								1.72	-1.71	0.84		8					J. O. Brown
Kayford	Kanawha	1,335	15								1.89	-2.47	0.81	4.0	11					Cabin Creek. Con Coal Co
Kermit	Mingo	579	5								1.48		0.52	0.5	8					E. B. Kirk
Kingston	Fayette	1,481	1								1.96		1.00	6.0	6	13[d]	0[d]	14[d]		Claud J Wriston
Lewisburg	Greenbrier	2,250	31																	Geo. T. Argabrite
Logan	Logan	700	28								1.26	-3.52	0.42	T.	6					J. R. Wampler
Marlinton	Pocahontas	2,131	32	27.2	-0.5	54	25	-10	2	44	1.39	-2.67	0.72	3.0	5	7	15	9	nw.	S. L. Brown
Point Pleasant	Mason	595	38	37.2	+3.6	65	24†	0	22	46	1.14	-2.74	0.50	T.	8	6	11	14	sw.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	1	30.2		58	25	-10	2	57	2.14		0.92	7.0	7	18	0	13		H. M. Word, Jr.
Ravenswood (Dam 22)	Jackson	584	8	37.0		65	25	10	2	34	0.97		0.58		6	9	0	22	nw.	Lockmaster
Richwood	Nicholas	2,193	1	30.6		57	25	1	15	44	1.87		0.88	8.0	9	10	5	16		Cherry River Paper Co.
Robertsburg	Putnam	570	31	34.2	+0.8	61	24†	8	2†	43	1.02	-2.98	0.30	T.	8	8	0	23		M. Frazier
Ryan	Roane	700	28	32.4	-0.9	60	24†	0	2	46	1.43	-2.79	0.61	2.6	10	10	5	16		Wm E. Ryan
Sharples	Logan	889	11								1.99	-1.24	0.62	1.0	7					R. W. Howard
Spencer	Roane	789	27	36.0	+2.4	65	25	7	2	39	1.54	-2.86	0.55	3.0	10	3	11	17		A. M. McKown
Sutton	Braxton	850	25	35.3	+1.7	63	25†	-1	2	45	2.27	-2.75	0.90	9.0	10	18	0	13		C. B. Eakle
Union [d]††	Monroe	2,250	27	33.4	+0.8	59	26	2	2	34	1.75	-1.64	1.32	1.2	7	9	9	9		W. M. H. Young
Wayne	Wayne	598	4								1.07		0.32		8					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	21	[a]30.3	-1.6	58[a]	29	-4	1	48[a]	0.95	-1.63	0.55		6	18	4	9		A. P. Spence
Williamson	Mingo	673	31	[a]37.8	+1.9	64[a]	25†	14	2	37[a]	1.56	-2.76	1.38	0.8	8	11	10	10	se.	J. E. Dotson
State averages and	extremes			33.7	+1.7	71	25	-10	2	59	1.37	-2.49	1.38	3.6	8	10	7	14	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for January, 1931

Stations	Drainage-basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard ‖	Potomac						.32	.53				.32				.16				.22		.11						.11		.03		T.	1.80
Brandywine	do					.60	T.									T.			.20													T.	0.80
Harpers Ferry ‖	do						.75						.10	T.						.21		T.						T.				T.	1.06
Kearneysville	do					.60							.20							.40													1.20
Martinsburg ‖	do						.75						.10	.08						.25		T.											1.18
Moorefield	do					.37	.20						.08						T.	T.												T.	0.65
Piedmont	do					1.13	.06						.05		T.					.22	T.	T.						T.					1.46
Romney ‖	do						.54													.30													0.84
Stony River Dam	do	.16					.82	.16					.08	.08		.16				.12	.20	.21					.05	.16		.01		.08	2.35
Upper Tract	do				T.	.65							T.				T.		T.									T.					0.65
Wardensville ‖	do	T.				T.	.60						T.			T.				.10		T.										T.	0.70
Northern Division																																	
Aberdeen	Monongahela	T.				.35	.64	.05					.11	T.		T.		T.	T.	.11	T.	.11						.08		T.			1.45
Alma (near)	Ohio					.15	.30						.22							.08								.07					0.82
Alpena	Monongahela					.23	.22						.08	.16	.16	.48		.08		.36		.16					.03	.16				.08	2.20
Benson	do					.22	.46						.15			T.				.10		.16						.08					1.17
Bens Run	do					.08	.30						.35							.13							.06	.09					1.01
Brownsville	do	T.				.21	.56	T.					.15	.01					T.	.16	T.	.13					T.	.12		T.		T.	1.44
Bruceton Mills	do					.52	.24						.48	T.	T.	.16				.34	T.	T.					.10	.13	.16			T.	2.13
Buckhannon	do						.50	.04					.21			T.				.20	T.	.20					T.	.10					1.25
Cairo	Little Kanawha					.20	.40						.23	T.		T.				.08		.01						.03					0.95
Clarksburg ‖	do	.01					.56	.04					.06	.02		.03				.06	.02	.03					.02	.12	.01			.02	1.00
Cortland ‖	do																																
Crawford ‖	Little Kanawha					.41	.34	.03					.16			.02				.11	T.	.03					.03	.12					1.25
Creston ‖	Monongahela					.16	.44	.06					.22							.10		.06					.02	.03					1.09
Dam 10, Mon. R. ‖	Ohio						.53	.02					.06	T.		T.	T.			.15	.03	T.	T.	T.			.03	.06					0.88
Dam 12, O. R. ‖	do					.11	.28	.05					.24	.04						.07		.08						T.		.07	T.		0.94
Dam 13, O. R. ‖	Monongahela					.05	.20	.04					.17	.03						.10	.06	.02						.04		.03			0.74
Dam 15, Mon. R. ‖	do						.58	.06					.08	.04		.01				.06	.03	.01					.02	.06	T.	.02		.01	0.98
Davis ‖	do	.13				.13	.27	.66	T.	T.	T.	T.	.14	T.	T.	.95	T.	T.	.20	T.	T.	.24	T.	T.	T.	.01	.06	.28	.03	.06	.01	T.	3.17
Elizabeth (D'm 3 LK)	Little Kanawha					.19	.58						.30							.06													1.13
Elkins***	Monongahela	.03				.22	.60					.01	.07	.01	.02	.04	T.		.02	.15	.02	.03					.01	.11		.01	T.	.01	1.36
Fairmont ‖	do						.78	.04					.12	T.	T.	.04	T.			.18	.03	.04	T.					.16	T.	T.	T.	.02	1.41
Glenville ‖	Little Kanawha	T.				.05	.68	.26					.13		T.					.10		.07					.09	.05					1.43
Grafton ‖	Monongahela																																
Horner	do					.35	.50	.15					.25	.15						.10		.20	.15										1.85
Horton	do					.67	.26	.65					.10	T.	T.	.34				.09	T.	.12					T.	.12				T.	2.35
Janelew (near)	do					.25	.60						.20							.10		.10											1.25
Lost Creek	do	T.				.49	.30	T.					.15	T.	T.	T.				.08	T.	.15					.02	.10		T.		T.	1.29
Mannington	do	.01				.39	.39	.01					.14	.01		.01				.15	T.	.01					.02	.13		.03		.08	1.38
Morgantown	do				.05	.10	.10						T.	T.	T.					.25	T.	T.					.34	.05		T.	T.	T.	0.89
New Cumberland ‖	Ohio					.24	.38	.02					.24		.02	.01				.22	.06	.02						T.		.03	.02	.02	1.28
New Martinsville	do					.10	.15						.20	T.	T.					20		T.						.05				T.	0.70
Parkersburg***	do				T.	.33	.16					.05	.21	T.	T.	T.			.03	.07	.01	T.					.05	T.	T.			T.	0.91
Parsons	Monongahela					.01	.24	.16					.50	1.00	.04	.12	.04		T.	.97	.04	.40					.11	.16				T.	3.79
Parsons No. 2	do	T.				.10	.50						.15	T.	T.	.05			T.	.15	T.	.09					.03	.13		T.		T.	1.20
Philippi	do						.65	.08					.20			.30				.45		.25					.02	.08					2.03
Pickens	do	.16				1.07	.56	.08					.65	.08		.24				.61	.08	.16						.32		T.		.08	4.09
Roanoke	do	.04				.45	.46	.03					.14	.01	T.	.03				.15		.06	T.					.08					1.45
Rowlesburg ‖	do	.02	T.				.41	.33					.03	.05		.07				.14	.03	.05	.02				.03	.20	T.	.02		.04	1.44
Saint Marys ‖	Ohio	T.				.02	.43	.03					.31			.01				.06	.04	T.					.05	.10		T.			1.05
Terra Alta	Monongahela	T.				.09	.42	.07					.10	T.	.11	.01				.29		.03					T.	.21		.04	T.	.07	1.44
Thomas ‖	do						.32	.27	T.				.20	.02	T.	.09	T.			.14	.15	.06					.02	.20	.02	.02		.06	1.57
Valley Chapel	do					.28	.57						.12							.12		.16							.08				1.33
Vandalia	do						.75													.30													1.05
Wellsburg	Ohio					.21	.22						.25	T.	T.	T.				.16	T.	T.								T.	T.	T.	0.84
West Milford	Monongahela					.20	.45	.10					.10							.10								.10					1.05
Weston	do	.18					.81	.10					.08	.04		.02				.10	.02	.08					.05	.10					1.58
Wheeling ‖	Ohio					.06	.27	.05					.20	.03	T.	T.				.09	.02	.02						T.		.02	.01	T.	0.77
Woodlands ‖	do					T.	.24						.29							.16	.08	.08						.01		.01			0.87
Southern Division																																	
Arbovale	Great Kanawha	.06				.66	.08	.16					.08	T.	T.	.04			.02	.23		T.						.08				T.	1.41
Bancroft ‖	do	.06				.50	.55						.25			T.			.02	.05		T.						.05					1.48
Beckley	do					.54	.01	.01					.16		.01	T.	T.	T.	.13	.10		T.						T.					0.96
Bluefield	do					.75	.17	.08					.05		.06	.02				.13								.01					1.27
Camden-on-Gauley ‖	do	T.	T.				.88	.08	T.	T.	T.	T.	.44			T.				T.													1.40
Charleston ‖	do					.34	.52	.08					.14						.06	.08								.02					1.24
Clay ‖	do					.26	.71	.14					T.	.10						.16													1.37
Dam 6 G. K ‖	do					.30	.54	.06					.18						.06	.11	.02						.02						1.29
Dam 19 O. R. ‖	Ohio	T.				.01	.64	T.					.32	T.		T.				.13	T.						.01	.02	T.				1.13
Dam 20 O. R. ‖	do					.04	.64	.04					.35	T.						.11	.04	.01						.01					1.22
Dam 25 O. R. ‖	do					.15	.50	.02					.26							.08								.02					1.03
Dam 26 O. R. ‖	do					.20	.33						.25						.05	.07	.02							.03					0.95
Gary ‖	Big Sandy					.57	.21	.13					.11	T.	.02				.11	.02								.06					1.23
Hinton ‖	do	T.				.50	.36	.06					.10	.01	.03	.02			.09	.03	.03	T.						.02	.02				1.27
Huntington ‖	Ohio					.42	.06						.20			T.			.01	.06	T.	T.						.01					0.76
Kanawha Falls ‖	Great Kanawha					.30	.84	.20					.06	.06					.10	.06								.10					1.72
Kayford ‖	do	T.				.27	.81	.34					.08	.08	.03	.01	T.		.07	.05	.09	T.						.06	T.				1.89
Kermit ‖	Big Sandy				.42	.52	.02					.25		.04				.03	.15								.05						1.48
Kingston	Great Kanawha					1.00	.33	.16					.12		.08				.27														1.96
ewisburg	do																																
ogan ‖	Guyandotte	T.				.42	.37	.05					.15	T.	T.	T.				.15								.12					1.26
arlinton	Great Kanawha	T.				.72	.22	T.					.05		T.	T.			.14			T.						.26					1.39
oint Pleasant ‖	Ohio					.18	.50	.03					26	T.		T.				.10	.01	.03	T.					.03					1.14
ainelle	Meadow Creek					.92	.41	.26					.12	T.	T.	.03			T.	.34		T.	T.					.06					2.14
avenswood (Dam 22	Ohio					.02	.58	.02					.25							.08								.02					0.97
ichwood	Great Kanawha				.03	.88	.51					.01	T.		.12	T.			.09	.11	T.	T.					.10	.02				T.	1.87
obertsburg ‖	do				.30	.28	.02					.25	.02						.05	.08		T.						.02					1.02
yan	do					.61	.36	.04					.18	.02		.03			.06	.06		.02						.05					1.43
harples ‖	Coal River					.41	.62	.22					.26		.08			.22										.18					1.99
pencer ‖	Great Kanawha	.16		.10	.10	.15	.55	.08					.29	T.		T.			.02	.06		T.	T.				T.	.03					1.54
utton	Gauley	.08		.15		.90	.16	.24					.20	.16						.15		.08						.15					2.27
nion	do					1.32	.10	.04	T.	T.			.15		.02	.04	T.			.08								T.					1.75
ayne ‖	Big Sandy					.32	.27	.01					.31						.03	.06	.02							.05					1.07
hite Sulpr. Spgs. ‖	Great Kanawha				.15	.55						.05						.10	.05									.05					0.95
illiamson ‖	Big Sandy					.38	.73	.12					.16	T.	.03	T.	T.		.04	.07	T.							.03					1.56

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for January, 1931

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	27	41	42	50	45	38	28	35	35	33	45	40	32	31	20	30	41	40	41	33	28	28	41	50	55	54	57	45	41	52	50	39.6
	Minimum	10	3	20	27	27	27	16	0	3	23	9	30	21	10	10	0	28	25	31	24	12	-5	6	19	43	41	41	31	30	24	21	19.6
Brandywine	Maximum	35	30	39	43	41	40	35	32	33	35	39	40	39	27	30	32	38	39	40	40	36	38	58	55	60	58	57	58	54	50	45	41.8
	Minimum	14	-1	19	30	32	32	28	19	14	25	17	30	25	18	14	8	24	30	30	27	22	8	24	20	30	32	35	34	28	26	32	23.4
Kearneysville	Maximum	34	39	47	51	43	43	38	34	43	42	46	39	40	35	36	39	50	48	49	47	44	30	42	58	58	57	53	44	42	45	54	44.2
	Minimum	21	10	17	32	30	34	28	21	17	33	26	26	30	21	19	12	30	28	32	34	23	15	21	26	27	29	38	27	26	28	31	25.5
Martinsburg§	Maximum	28	46	50	53	43	43	37	33	46	43	45	40	40	34	29	44	53	43	50	47	30	32	43	35	52	60	60	50	49	58	..	43.9
	Minimum	19	11	11	20	29	33	27	21	18	18	30	32	32	22	18	10	11	27	27	32	26	15	17	22	22	30	31	41	32	28	32	24.0
Moorfield	Maximum	40	46	57	50	43	39	39	35	48	45	44	41	39	40	33	44	51	47	49	45	41	35	46	61	65	65	57	58	50	58	61	47.5
	Minimum	20	28	10	26	28	32	28	18	14	31	18	32	31	23	21	9	36	27	33	32	25	12	17	22	27	49	41	40	29	29	35	26.5
Piedmont	Maximum	31	41	42	48	39	37	32	29	40	36	42	38	36	31	26	36	43	38	44	37	31	31	45	53	60	55	51	46	42	56	51	40.9
	Minimum	17	17	20	29	33	33	25	17	16	31	21	33	28	20	19	12	34	27	33	31	19	10	21	24	29	45	41	37	31	30	29	26.2
Romney §	Maximum	29	50	52	55	41	40	36	33	47	42	45	40	35	38	30	43	50	40	48	43	25	35	48	60	65	56	59	50	47	61	..	44.8
	Minimum	13	2	14	22	30	32	27	18	14	15	19	23	31	23	19	7	11	24	28	32	22	12	15	18	24	27	43	39	29	29	33	22.4
Upper Tract	Maximum	38	48	48	47	45	40	35	40	40	41	44	45	40	36	34	30	38	50	43	48	43	36	38	48	63	57	56	55	45	48	42	43.9
	Minimum	17	3	20	27	30	30	26	18	15	16	20	24	28	18	20	18	8	34	26	30	28	20	8	12	26	48	42	40	32	29	29	23.9
Wardensville	Maximum	30	45	..	61	41	41	35	35	48	49	41	40	36	39	30	44	50	48	52	42	39	32	48	59	68	55	56	50	47	60	..	45.6
	Minimum	5	2	10	..	25	32	28	19	14	20	19	33	31	19	20	6	12	24	24	32	25	10	12	21	22	32	33	41	26	29	32	22.1
Northern Division																																	
Alpena	Maximum	29	43	39	45	42	38	27	39	32	31	39	35	31	25	18	30	40	41	39	34	27	29	39	50	54	49	47	44	40	51	50	38.0
	Minimum	9	-4	13	26	28	21	19	4	9	22	6	29	19	8	10	-7	28	25	33	22	12	-3	4	21	31	40	38	32	29	23	21	18.3
Bens Run	Maximum	33	45	48	49	54	49	37	40	42	42	42	40	36	31	29	35	45	49	43	38	33	35	46	58	62	55	56	50	45	56	54	44.4
	Minimum	16	10	20	21	35	32	27	24	20	22	24	35	27	23	15	16	31	29	35	30	19	12	12	27	31	39	40	36	35	32	31	26.0
Buckhannon	Maximum	30	40	40	48	54	45	32	38	38	35	40	39	34	32	30	32	43	49	45	37	35	32	40	34	59	60	52	52	44	55	55	41.9
	Minimum	16	0	13	30	34	31	25	15	18	28	21	34	28	22	18	8	32	32	35	29	18	5	19	25	34	43	45	38	35	31	30	25.5
Cairo	Maximum	34	48	48	53	59	47	36	46	35	38	36	49	43	31	29	36	47	52	50	40	34	37	48	62	71	65	57	54	46	59	59	46.7
	Minimum	13	2	13	18	20	31	28	19	14	22	28	27	19	20	13	8	29	35	30	26	19	7	11	21	29	25	41	33	32	30	32	22.4
Clarksburg §	Maximum	26	44	45	50	58	35	34	42	37	41	41	39	29	34	25	37	47	48	47	38	24	34	44	57	62	49	55	45	43	56	32	41.9
	Minimum	7	-3	0	15	25	33	25	18	17	20	20	25	26	25	20	8	24	30	33	30	21	3	11	13	28	40	41	33	33	31	32	22.2
Creston	Maximum	29	40	47	52	59	44	31	45	37	40	41	43	38	31	28	37	49	44	43	42	32	40	47	61	65	60	59	53	43	60	57	45.1
	Minimum	18	1	17	24	32	30	29	20	16	28	20	33	25	21	15	10	29	35	34	25	20	6	15	21	26	37	46	34	36	32	33	24.8
Elkins	Maximum	28	48	44	48	48	39	27	41	36	35	38	39	30	28	21	38	43	45	44	34	25	33	41	55	59	53	52	45	45	55	42	40.6
	Minimum	2	-7	8	32	31	25	11	10	11	17	13	30	24	17	4	-3	30	30	29	25	7	2	12	23	47	43	45	33	30	28	25	20.5
Fairmont§	Maximum	33	46	50	50	55	34	38	44	41	45	42	40	29	31	25	36	52	48	45	39	21	30	48	60	65	56	53	43	42	55	..	43.2
	Minimum	15	8	9	24	31	34	25	20	21	22	23	23	28	25	20	13	23	30	33	30	21	10	15	18	31	44	43	38	35	30	31	24.9
Glenville	Maximum	37	49	47	48	49	45	34	46	38	44	41	41	38	33	28	36	36	51	51	41	34	42	49	58	65	64	59	55	47	60	59	46.0
	Minimum	17	0	14	26	33	31	28	20	18	29	22	33	27	23	17	11	34	33	36	30	20	9	11	23	28	39	43	40	35	33	33	25.7
Grafton	Maximum	32	47	46	49	56	44	34	45	39	40	43	40	38	32	27	33	36	49	49	39	33	33	45	58	63	59	56	53	44	37	56	43.7
	Minimum	7	3	16	29	34	33	26	17	17	30	19	34	27	25	19	9	33	29	37	30	20	5	14	24	27	47	44	36	34	31	29	25.3
Lost Creek	Maximum	32	47	45	42	55	50	33	45	41	41	40	40	35	32	26	32	48	48	47	40	32	35	43	58	62	60	55	55	44	55	55	44.3
	Minimum	12	-2	11	24	31	30	25	15	20	28	20	32	24	24	18	10	32	30	38	29	18	-3	9	22	35	44	44	37	34	30	30	24.2
Mannington	Maximum	32	40	47	47	54	45	32	39	39	39	41	39	37	31	27	34	44	47	45	38	33	32	42	56	61	59	52	50	43	54	51	43.0
	Minimum	16	-1	11	25	32	32	25	15	15	28	18	33	26	22	19	11	30	25	35	30	19	8	14	24	28	39	39	34	33	31	29	24.0
Morgantown	Maximum	30	35	44	49	47	50	31	39	36	38	42	40	37	35	35	35	42	48	45	41	44	44	44	55	61	58	52	48	41	53	52	43.7
	Minimum	14	14	29	28	30	30	23	15	22	22	21	20	24	17	13	13	28	29	27	29	16	7	7	30	44	39	43	30	33	27	25	24.2
New Cumberland§	Maximum	25	42	47	55	49	34	31	36	33	41	43	38	28	32	26	36	43	46	43	35	21	30	40	55	60	49	55	40	38	52	..	40.1
	Minimum	16	17	19	31	32	32	21	19	16	17	22	25	26	18	15	14	25	22	25	30	17	8	14	15	30	35	30	30	30	28	28	22.8
New Martinsville	Maximum	34	47	49	52	51	49	36	43	37	43	46	42	36	31	31	37	48	51	46	38	34	35	47	61	64	62	57	54	45	51	56	45.7
	Minimum	16	9	18	26	33	31	25	19	17	28	20	34	27	22	15	13	27	25	41	29	17	10	14	26	30	38	38	33	35	29	28	24.9
Parkersburg	Maximum	33	44	48	52	57	38	36	43	34	43	42	40	33	31	25	38	48	49	46	40	27	41	44	60	65	57	57	47	45	59	42	44.0
	Minimum	18	14	25	30	38	30	27	26	24	26	25	33	27	21	15	17	33	32	34	25	18	15	19	28	48	39	46	36	34	32	30	27.9
Parsons	Maximum	31	53	47	47	49	40	32	50	40	40	34	40	32	34	30	37	47	45	45	38	31	36	47	57	62	51	50	44	42	58	52	43.3
	Minimum	3	-6	3	29	30	31	17	9	13	12	12	22	26	18	15	0	32	26	32	28	9	-2	10	18	29	39	38	36	30	29	28	19.9
Pickens	Maximum	26	31	42	48	57	41	25	38	24	26	45	39	30	27	17	33	37	46	43	32	25	35	43	53	56	48	48	43	40	52	49	38.7
	Minimum	5	4	20	30	36	24	12	8	14	14	14	30	20	13	0	-1	20	20	21	21	5	2	17	26	27	40	41	33	29	25	23	19.1
Terra Alta	Maximum	26	37	39	45	43	37	27	36	38	32	40	40	32	25	21	28	38	37	40	38	26	25	39	49	55	57	46	46	34	49	48	37.8
	Minimum	9	9	28	33	31	25	17	9	6	22	10	31	20	11	10	5	26	28	32	23	11	-4	12	26	42	39	40	29	28	22	20	21.0
Wellsburg	Maximum	34	41	44	51	50	46	34	34	34	40	41	40	36	30	29	35	44	45	43	35	31	28	41	54	61	58	55	52	41	51	52	42.3
	Minimum	17	7	25	27	33	33	22	13	12	26	17	32	26	15	14	12	27	20	35	29	18	6	12	24	26	34	25	31	30	28	26	22.6
Weston	Maximum	35	45	18	58	55	50	38	42	40	39	45	42	41	30	28	25	45	50	48	41	38	45	48	56	55	57	58	54	40	50	38	41.6
	Minimum	1	3	15	28	31	30	31	20	21	29	28	25	25	24	18	13	20	40	32	30	16	10	15	25	42	43	32	32	38	29	30	25.0
Wheeling§	Maximum	32	46	44	50	55	37	40	37	38	40	45	42	30	30	26	26	50	45	44	40	36	32	47	62	65	50	60	40	41	55	40	42.7
	Minimum	13	10	10	27	32	30	18	16	12	15	17	21	22	15	11	10	20	22	25	25	13	6	12	19	27	31	31	30	20	25	25	19.7
Southern Division																																	
Beckley	Maximum	32	49	46	53	51	49	47	45	43	41	45	42	39	37	35	34	40	41	43	41	39	42	49	55	59	55	59	54	49	57	52	45.9
	Minimum	14	6	22	32	39	27	24	20	18	22	16	32	25	19	12	4	29	33	32	23	20	11	21	27	39	41	43	36	32	28	31	25.1
Bluefield	Maximum	..	50	47	.	54	51	32	39	40	38	..	45	38	33	25	35	40	..	46	41	35	45	52	55	..	59	53	53	49	58	52	44.8
	Minimum	..	12	31	..	34	28	25	24	25	23	..	21	22	21	13	10	32	..	33	24	22	17	26	35	.	41	44	36	35	29	34	26.8
Charleston§	Maximum	44	48	52	54	62	36	36	50	38	52	44	42	40	38	31	40	46	50	50	46	40	42	58	67	70	58	60	60	52	64	46	48.9
	Minimum	12	13	13	24	32	34	31	26	24	24	24	26	30	24	19	9	19	34	34	28	26	15	17	22	25	33	42	36	36	33	36	25.8
Gary §	Maximum	30	55	52	57	61	36	32	46	46	39	49	37	39	28	28	39	46	53	50	39	35	45	.	..	..	..	..	55	49	62	44	37.2
	Minimum	4	7	7	24	32	35	31	25	26	28	21	27	31	25	19	9	15	32	35	27	28	14	16	20	23	33	33	32	28	31	31	24.2
Hinton §	Maximum	30	42	48	49	58	40	38	41	42	40	40	40	38	30	28	38	45	45	48	42	34	48	54	65	64	56	62	56	50	64	43	45.7
	Minimum	8	0	8	21	30	35	31	24	23	26	22	25	31	23	19	10	14	32	34	29	27	14	16	20	23	27	35	35	29	31	31	23.6
Huntington	Maximum	36	54	53	53	57	50	50	45	36	47	43	44	41	38	34	41	44	49	49	49	37	47	52	64	67	61	61	54	54	62	58	49.4
	Minimum	20	13	25	30	36	36	34	29	22	32	25	35	31	24	18	17	26	34	37	29	22	16	23	26	42	48	48	39	41	37	38	30.1
Marlinton	Maximum	24	34	40	44	42	36	28	34	34	30	34	34	30	26	20	32	40	36	40	34	26	36	44	52	54	48	50	46	38	52	48	37.6
	Minimum	6	-10	0	20	24	22	14	10	6	14	10	30	14	10	6	-6	28	28	26	24	14	14	10	20	22	30	34	30	22	24	26	16.8
Point Pleasant	Maximum	41	50	53	53	58	49	37	45	40	47	42	43	41	35	32	42	49	50	51	40	35	46	47	65	65	61	60	63	51	60	61	48.8
	Minimum	15	9	20	25	33	33	29	26	18	29	33	21	26	20	14	12	23	33	37	28	6	0	19	23	38	40	41	38	36	31	35	25.5
Rainelle	Maximum	26	47	44	49	42	41	29	39	38	36	38	37	34	25	21	32	41	40	42	36	33	40	47	56	58	50	52	49	42	57	51	41.0
	Minimum	8	-10	7	32	28	25	25	10	6	19	9	31	23	12	9	-9	29	32	33	20	19	5	23	17	23	28	35	29	25	27	28	19.3
Ravenswood	Maximum	33	41	49	53	49	50	35	43	42	42	42	42	39	32	30	38	47	51	50	49	39	43	47	60	65	60	57	58	44	59	59	46.7
	Minimum	19	10	23	28	36	31	30	26	21	30	24	34	26	22	16	16	25	33	36	27	20	13	18	26	33	42	44	39	31	33	33	27.3
Richwood	Maximum	25	48	45	53	50	32	30	41	34	40	42	38	29	26	20	35	40	41	43	34	23	39	45	48	57	49	51	46	42	55	42	40.1
	Minimum	3	4	19	31	31	26	14	13	14	13	26	27	18	15	1	8	31	32	26	21	8	13	18	23	30	39	32	31	29	29	28	21.1
Robertsburg§	Maximum	32	48	51	53	58	37	35	41	29	46	40	41	30	30	28	40	41	52	46	41	25	47	51	61	61	48	46	52	44	45	40	43.2
	Minimum	12	8	8	26	28	37	31	27	20	21	23	26	29	23	16	11	22	32	32	26	25	13	18	22	28	36	42	38	36	32	36	25.3
Ryan	Maximum	25	46	40	45	50	40	34	45	32	38	40	38	33	28	25	34	39	48	44	38	31	38	45	60	60	48	55	47	50	60	54	42.3
	Minimum	16	0	12	24	29	28	27	21	15	24	18	31	25	18	10	8	28	30	32	23	20	9	14	20	27	31	38	30	31	29	31	22.5
Spencer §	Maximum	29	46	48	54	55	36	34	45	36	42	41	41	36	32	24	39	47	51	47	42	25	42	49	61	65	51	59	47	45	60	38	44.1
	Minimum	20	7	18	33	37	33	29	25	20	24	22	38	29	23	15	13	32	33	36	28	23	12	18	24	45	41	44	39	37	32	34	27.9
Sutton	Maximum	35	44	45	53	53	47	33	41	41	40	43	43	39	31	27	36	45	49	49	40	35	40	45	60	63	63	57	57	41	59	59	45.7
	Minimum	19	-1	12	28	32	30	28	19	15	25	19	33	28	21	17	7	35	31	38	28	20	9	15	20	27	38	43	37	33	32	34	24.9
Union	Maximum	32	33	45	..	48	51	34	35	38	38	..	38	38	35	28	32	43	..	45	47	45	42	46	55	..	59	54	54	51	57	58	43.7
	Minimum	17	2	15	..	29	32	28	22	18	24	..	19	27	19	14	6	29	..	31	25	24	11	18	21	..	28	38	36	28	29	35	23.1
White Sulphur Spgs§	Maximum	34	45	44	48	33	32	35	39	37	35	38	32	27	22	37	45	45	46	39	35	38	41	54	55	52	51	49	45	58	38	..	41.0
	Minimum	-4	-3	12	31	33	28	18	14	22	15	20	28	15	15	0	2	29	32	26	25	8	9	14	17	22	39	38	24	27	28	25	19.6
Williamson §	Maximum	33	46	50	55	56	38	37	47	45	44	47	43	37	33	29	37	45	54	50	43	37	37	54	61	64	57	60	55	47	64	..	46.8
	Minimum	22	14	15	25	33	36	34	30	31	30	30	31	32	29	21	22	24	33	36	27	28	18	19	24	27	31	37	41	42	36	37	28.9

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 3-9-31—900)

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

HENRY C. HOWE, Meteorologist

VOL. XXXIX PARKERSBURG, W. VA., FEBRUARY, 1931 No. 2

GENERAL SUMMARY

The February temperature averaged considerably above the normal while the precipitation averaged considerably below. The temperature fluctuations were slight. The highest reading for the month was 68°, which is the lowest maximum for any February of record since 1907. The minimum temperature, 5°, was the highest minimum for any February of State record, except in 1897 and 1927. February was the fifteenth consecutive month with the precipitation below the normal. However, there were slight plus departures at nine stations. The average snowfall, 1.6 inches, was by far the lowest average for any February of State record. There was practically no snowfall or snow on the ground for the first and last weeks of the month. The streams were well filled at the close of the month and there was slightly more water in wells. Plowing and other outdoor work progressed rapidly under generally favorable conditions. Winter grains were also in fair condition at the close of the month.

TEMPERATURE

The monthly mean for the State, determined from 51 stations, was 35.8°. The departure from the normal for 40 stations having ten or more years of record was +3.6°. The warmest periods were from the 1st to the 4th, 6th to the 9th, 12th to the 14th, 16th to the 20th, and on the 28th, the highest temperature occurring generally from the 6th to the 8th and on the 28th. The lowest temperatures were on the 4th, 5th, and 11th.

PRECIPITATION

The average precipitation for the State, determined from 87 stations, was 2.57 inches. The departure from the normal for 58 stations having ten or more years of record was −0.56 inch. The precipitation was fairly well distributed, but was lightest over the eastern panhandle counties. Practically all the precipitation occurred from the 7th to the 10th, 13th to the 14th, 17th to the 20th, and on the 28th. At eighteen stations the snowfall was only a trace. Most of the snow was measured on the 9th, 11th, 14th, 20th and 21st, the greatest monthly amount, 12 inches, being at Pickens.

MISCELLANEOUS PHENOMENA

Auroras: Elkins, 27th; Piedmont, 15th.

Fogs, dense: Alpena, 8th and 19th; Arbovale, 8th and 18th; Bancroft, 8th and 20th; Bens Run, 3d; Elkins, 3d, 5th, 6th, and 25th; Hinton, 3d, 4th, 5th, 20th, 23d, and 27th; Marlinton, 8th and 18th; New Cumberland, 4th; Pickens, 9th and 20th; Richwood, 7th, 8th, and 17th; Rowlesburg, 8th; Spencer, 20th; Terra Alta, 4th, 7th, and 18th; Wheeling, 5th, 6th, 26th, 27th, and 28th; Williamson, 5th, 7th, 8th, 13th, 17th, 20th, 23d, 26th, and 27th.

MISCELLANEOUS PHENOMENA (Continued)

Halos, lunar: Wellsburg, 2d; Elkins, 27th.

Halo, solar: Ryan, 16th.

Sleet: Marlinton, 7th and 17th; Richwood, 9th and 19th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.11	85	64	69	141.0	47	3,824	5.7	19	sw.	7
Columbus, Ohio	30.09	81	67	66	118.6	50	5,686	8.5	28	nw.	13
Elkins	30.13	85	67	78	116.3	39	2,692	4.0	22	nw.	13
Lexington, Ky	30.13	83	70	...	121.9	40	6,946	10.3	30	w.	13
Parkersburg	30.12	82	63	68	100.3	33	2,951	4.4	17	nw.	14
Pittsburgh, Pa	30.10	82	72	71	122.3	41	5,304	7.9	27	nw.	14
Wytheville, Va	30.07	76	55	63	159.0	52	3,569	5.3	19	w.	12

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	38.1	....	....	5.39	....		....	....	....	....	....
1892	37.1	72	−12	2.30	....		....	9	....	....	....
1893	35.0	71	−6	4.81	6.70	1.65	....	12	....	....	....
1894	33.4	74	−5	3.99	7.48	2.05	....	10	9	7	12
1895	**22.8**	79	−17	1.27	2.44	0.61	....	7	10	9	9
1896	33.4	62	−5	3.31	6.23	1.50	....	17	7	8	14
1897	36.8	70	3	5.95	8.18	3.00	....	11	7	7	14
1898	32.7	74	−13	1.81	3.38	0.64	....	9	10	8	10
1899	26.1	69	**−35**	4.32	6.43	2.25	19.0	14	7	5	16
1900	30.7	**83**	−11	3.94	5.62	2.31	10.0	12	5	10	13
1901	27.1	62	−6	**0.86**	1.66	**0.10**	4.1	7	8	8	12
1902	26.7	68	−14	3.20	5.65	1.33	8.1	10	6	7	15
1903	35.3	74	−19	**5.99**	**9.59**	2.58	8.6	11	10	6	12
1904	29.3	80	−13	2.37	4.55	0.52	8.1	10	12	9	8
1905	25.6	56	−22	2.34	4.65	0.80	8.1	11	8	6	14
1906	32.4	79	−11	1.60	3.34	0.46	8.1	7	15	6	7
1907	31.1	68	−23	2.55	4.83	0.67	11.1	9	9	8	14
1908	30.9	72	−10	3.72	6.26	1.77	15.8	12	7	8	11
1909	40.4	80	−5	4.16	7.68	1.44	3.4	13	7	8	13
1910	31.5	72	−11	3.18	6.56	0.98	13.5	8	9	8	11
1911	38.7	76	−6	2.03	3.92	0.40	4.8	7	8	8	12
1912	27.3	70	−17	2.45	5.08	0.72	6.4	7	10	8	11
1913	32.6	80	−4	2.27	6.15	0.21	4.7	7	13	6	9
1914	28.4	70	−22	3.64	6.96	1.63	19.7	10	9	7	12
1915	38.4	72	−2	3.07	6.33	0.90	3.6	10	10	5	13
1916	31.4	72	−12	4.30	9.19	1.79	13.2	11	8	6	15
1917	31.0	80	−14	3.29	7.73	1.26	10.1	9	9	7	12
1918	35.4	81	−19	3.12	6.60	0.45	3.8	9	11	6	11
1919	35.2	72	−2	1.85	3.93	0.35	3.5	9	11	5	12
1920	31.3	69	−4	2.71	5.49	1.49	9.3	12	7	5	17
1921	37.4	79	−10	2.61	4.90	1.10	10.8	9	8	5	15
1922	38.2	77	−14	2.89	5.57	0.94	6.3	11	8	7	13
1923	30.4	70	−20	3.68	7.38	0.75	7.8	12	7	5	16
1924	31.6	74	−16	3.21	8.18	0.84	12.2	11	8	6	15
1925	39.8	80	−5	2.49	4.32	0.35	2.0	8	10	6	12
1926	34.9	72	−3	4.01	8.88	1.20	18.1	13	6	5	17
1927	**40.9**	79	6	4.49	8.64	2.40	11.0	15	7	6	15
1928	34.6	72	−3	2.50	6.06	0.40	6.4	11	8	6	15
1929	30.0	70	−15	2.98	5.24	1.43	14.6	9	9	6	13
1930	39.8	81	−21	2.62	5.21	0.95	3.9	10	11	5	12
1931	35.8	68	5	2.57	4.68	1.08	1.6	9	10	5	13
1891-1931	33.1	83	−35	3.12	9.59	0.10	8.8	10	9	7	12

Climatological Data for February, 1931

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	30	31.9	+2.8	61	28	5	3	47	2.15	−1.79	0.50	...	6	8	10	10	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	15	34.6	+2.7	55	8†	10	15	35	1.30	−0.49	0.75	...	4	16	0	12	n.	Elmer Keister
Harpers Ferry	Jefferson	244	42	...	...	...	...	...	...	...	1.15	−1.26	0.62	T.	5	...	...	...	...	J. C. Newcomer
Kearneysville	Jefferson	548	1	36.5	...	58	28	16	11	35	1.55	...	0.95	0	4	11	6	11	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	39	[a]35.9	+4.7	58[a]	15	16	11	31[a]	1.75	−0.76	0.60	T.	8	17	5	6	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	35	39.4	+5.4	62	28	15	5†	42	1.54	−0.74	0.80	T.	4	21	1	6	...	M. S. Henkel
Piedmont	Mineral	1,053	18	34.3	+0.9	53	28	18	4†	31	1.43	−1.05	0.91	T.	6	8	6	14	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	33	[a]35.1	+1.9	66[a]	16	15	3†	40[a]	1.72	−0.45	0.60	0	7	9	9	10	...	George E. Bergdoll
Stony River Dam	Grant	3,300	11	...	...	...	...	...	...	...	2.08	−0.75	0.70	6.0	10	7	7	14	w.	A. C. Becker
Upper Tract	Pendleton	1,230	32	[b]35.0	+1.9	60[b]	28	13[b]	5	43[b]	...	...	...	...	...	...	...	...	...	J. M. Mallow
Wardensville	Hardy	1,200	14	[b]35.8	...	64[b]	27	13[a]	5	43[c]	1.08	...	0.37	T.	7	14[a]	4[a]	9[a]	sw.	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	7	...	...	...	...	...	...	...	2.71	...	0.96	0.3	9	8	5	15	w.	L. Else Bond
Alma (near)	Tyler	800	4	...	...	...	...	...	...	...	2.76	...	0.84	1.0	10	6	9	13	...	D. N. Furbee
Alpena	Randolph	2,571	1	31.9	...	58	28	10	3†	39	2.82	...	0.59	7.0	11	8	7	13	w.	Christian Hertig
Benson	Harrison	1,080	7	35.8	...	63	28	9	11	45	2.79	...	0.70	T.	9	11	6	11	...	John A. Clark
Bens Run	Pleasants	652	29	37.7	+5.9	68	7	13	11	37	2.97	−0.22	0.87	3.0	10	11	6	11	...	J. D. Riggs
Brownsville	Lewis	1,032	8	35.6	...	65	28	11	11	45	2.50	...	0.81	T.	9	8	9	11	...	George M. Meyers
Bruceton Mills	Preston	1,549	14	...	...	...	...	...	...	...	2.59	−0.77	0.80	4.0	9	6	5	17	sw.	Mrs. Wm. Wolf
Buckhannon	Upshur	1,411	34	35.4	+3.9	60	28	14	11	38	2.92	−0.95	0.80	1.2	10	11	4	13	...	H. A. Darnall
Cairo	Ritchie	680	30	36.1	+3.6	64	28	8	11	44	2.73	−0.75	0.88	T.	10	9	8	11	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	9	34.6	...	64	28	11	11	45	2.21	...	0.82	T.	10	8	4	16	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	8	...	...	...	...	...	...	...	2.69	...	0.88	1.5	10	10	7	11	w.	George W. Blair
Creston	Wirt	640	29	36.9	+4.1	65	28	13	11	44	2.42	−0.47	0.60	3.0	10	12	0	16	...	J. M. Reed
Dam 10 Mon. R.	Marion	826	10	...	...	...	...	...	...	...	2.47	...	0.56	...	10	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	15	...	...	...	...	...	...	...	2.44	+0.01	0.82	...	11	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	15	...	...	...	...	...	...	...	2.54	+0.09	1.00	...	11	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	10	...	...	...	...	...	...	...	2.40	...	0.74	T	10	...	...	...	...	Lockmaster
Davis	Tucker	3,093	22	...	...	...	...	...	...	...	3.48	−0.86	1.27	...	9	...	...	...	...	Ross C. Male
Elizabeth (Dam 3 L. K)	Wirt	615	19	...	...	...	...	...	...	...	3.27	+0.61	0.90	1.5	8	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	30	34.2	+2.6	61	28	15	11	40	3.19	+0.11	0.80	3.7	13	6	5	17	nw.	U. S. Weather Bureau
Fairmont	Marion	883	25	35.6	+3.5	68	28	12	11	45	2.46	−0.67	0.75	1.5	9	6	6	16	w.	J. C. Robinson
Glenville	Gilmer	738	37	38.2	+2.9	66	28	11	11	43	2.90	−0.83	0.69	0.5	12	12	5	11	w.	Howard R. Brannon
Grafton	Taylor	1,000	38	37.0	+5.4	66	28	13	11	42	2.44	−0.79	0.83	T.	8	10	3	15	...	W. E. Clayton
Horner	Lewis	1,044	8	...	...	...	...	...	...	...	2.85	...	0.90	...	9	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	6	...	...	...	...	...	...	...	2.00	...	0.65	3.3	9	9	0	19	nw.	J. W. White
Janelew (near)	Lewis	1,020	8	37.2	...	65	28	12	5†	45	2.63	...	1.00	T.	7	8	4	16	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	33	36.0	+5.0	64	28	9	11	49	2.76	−0.30	0.96	1.2	9	13	2	13	w	Allen Smith
Mannington	Marion	985	28	34.8	+3.8	61	28	6	11	42	2.55	−0.24	0.85	4.1	11	7	5	16	w.	Jas. A. Morgan
Morgantown††	Monongalia	1,250	38	[a]35.4	+4.1	62[a]	27	10	11	41[a]	2.00	−1.05	0.43	3.0	8	9[a]	3[a]	15[a]	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	33	[a]32.2	+4.5	52[a]	3	11	11	34[a]	2.51	+0.03	0.75	2.1	15	7	3	18	n.	C. H. Hesse
New Martinsville	Wetzel	634	37	36.8	+4.6	65	28	10	11	44	3.75	−0.23	0.90	1.0	7	9	3	16	s.	Wm. Ankrom
Parkersburg	Wood	638	44	37.8	+3.6	64	28	14	11	35	2.97	−0.16	0.86	3.0	11	8	3	17	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	31	36.1	+6.4	67	28	16	3†	44	3.42	0	1.65	3.0	9	10	3	15	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	5	...	...	...	...	...	...	...	2.81	−0.61	0.96	0.5	10	8	6	14	...	Robert T. Deem
Philippi	Barbour	1,550	34	...	...	...	...	...	...	...	3.34	−0.03	1.22	0.2	10	...	...	...	...	Prof. W. W. Thomson
Pickens	Randolph	2,697	28	[a]33.6	+2.8	64[a]	28	10[a]	10	38[a]	4.68	−0.64	0.95	12.0	12	10	5	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	8	...	...	...	...	...	...	...	2.64	...	0.86	T.	10	13	3	12	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	...	...	...	...	...	...	...	2.99	−0.42	0.78	1.0	10	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	22	...	...	...	...	...	...	...	2.81	−0.39	0.72	1.5	13	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	30	31.8	+4.0	59	28	7	3	41	2.71	−1.06	0.45	6.8	12	5	5	18	nw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	2	...	...	...	...	...	...	...	3.21	...	0.85	6.0	9	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	8	37.5	...	65	28	13	11	39	2.64	...	0.87	T.	8	14	4	16	w.	J. C. Campbell
Vandalia	Lewis	1,120	8	...	...	...	...	...	...	...	2.81	...	0.95	...	7	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	24	34.2	+6.7	63	28	5	11	46	2.47	−0.10	0.55	2.0	8	8	5	15	...	George P. Pfister
West Milford	Harrison	979	6	...	...	...	...	...	...	...	2.53	...	0.62	...	8	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	36	36.4	+2.7	60	28	15	11	36	2.93	−0.81	0.81	...	9	7	9	12	...	Weston State Hospital
Wheeling	Ohio	645	44	33.6	+2.8	60	28	6	11	43	2.40	−0.17	0.85	4.0	12	7	2	19	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	4	...	...	...	...	...	...	...	1.85	...	0.53	2.2	10	7	4	17	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	5	...	...	...	...	...	...	...	2.03	...	0.93	0.5	5	10	7	11	w.	H. S. Sutton
Bancroft	Putnam	574	27	36.8	+3.1	60	3†	15	15	40	2.89	−0.02	0.85	T.	9	14	0	14	ne.	R. E. Dent
Beckley	Raleigh	2,440	28	37.6	+4.3	59	3†	12	15	38	2.45	−0.61	0.78	1.2	9	11	6	11	...	L. A. Mauck
Bluefield [e]	Mercer	2,558	36	39.2	+3.8	59	7†	13	16	34	1.76	−1.29	0.57	0.2	11	14	0	9	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	16	...	...	...	...	...	...	...	2.54	−0.68	0.81	T.	4	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	28	39.8	+5.9	64	6†	18	11†	43	2.65	−0.93	0.90	0	8	14	0	14	...	R. O. Fields
Clay	Clay	706	15	...	...	...	...	...	...	...	3.60	+0.29	0.98	0.2	10	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	5	...	...	...	...	...	...	...	2.77	...	0.80	...	9	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	15	...	...	...	...	...	...	...	2.59	+0.02	0.88	...	12	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	15	...	...	...	...	...	...	...	2.65	−0.36	0.88	...	12	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	4	...	...	...	...	...	...	...	1.82	...	0.67	...	9	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	15	...	...	...	...	...	...	...	2.53	...	0.73	...	11	...	...	...	...	U. S. Engineers Office
Gary	McDowell	1,426	15	[a]38.6	+1.1	62[a]	7	14[a]	11†	42[b]	1.91	−1.74	0.55	1.5	8	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	34	39.1	+5.1	60	6	20	2†	40	2.15	−0.90	0.54	...	10	13	0	15	...	Mrs. M. L. McClung
Huntington††	Cabell	538	34	41.0	+8.4	68	7	16	11	36	2.90	−0.23	0.86	3.0	11	10	4	14	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	12	...	...	...	...	...	...	...	2.81	+0.35	1.03	...	8	...	...	...	...	I. O. Brown
Kayford	Kanawha	1,335	15	...	...	...	...	...	...	...	2.28	−1.06	0.40	1.0	10	...	...	...	...	Cabin Creek. Con Coal Co
Kermit	Mingo	579	5	...	...	...	...	...	...	...	2.58	...	0.85	0.2	9	...	...	...	...	E. B. Kirk
Kingston	Fayette	1,481	1	...	...	...	...	...	...	...	2.88	...	0.71	T.	7	15	0	13	...	Claud J Wriston
Lewisburg	Greenbrier	2,250	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Geo. T. Argabrite
Logan	Logan	700	28	...	...	...	...	...	...	...	2.61	−1.26	0.72	1.5	8	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	32	30.9	+1.3	52	28	36	5†	36	2.72	−0.79	0.76	1.0	8	11	8	9	nw.	S. L. Brown
Point Pleasant	Mason	595	38	39.2	+5.6	62	28	11	5	43	2.85	−0.57	1.11	0.5	10	9	5	14	w.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	1	35.4	...	60	7	10	5	41	3.08	...	0.69	1.0	10	14	3	11	...	H. M. Word. Jr.
Ravenswood (Dam 22)	Jackson	584	8	38.4	...	63	26	14	11	40	2.58	...	0.75	1.2	11	11	0	17	sw.	Lockmaster
Richwood	Nicholas	2,193	1	[a]34.4	...	55[a]	6	10	14	36[a]	3.58	...	0.95	1.0	12	10	3	15	...	Cherry River Paper Co.
Robertsburg	Putnam	570	31	36.6	+3.7	62	7	15	11†	40	2.42	−0.60	0.71	1.0	9	12	0	16	...	M. Frazier
Ryan	Roane	700	28	35.4	+2.2	60	7	11	11	40	2.83	−0.54	0.91	1.7	13	8	8	12	...	Wm E. Ryan
Sharples	Logan	889	11	...	...	...	...	...	...	...	2.58	−0.48	0.63	T.	7	...	...	...	...	R. W. Howard
Spencer	Roane	789	27	36.8	+3.2	65	28	11	10	45	2.84	−0.20	0.66	3.0	15	8	3	17	...	A. M. McKown
Sutton	Braxton	850	25	36.4	+1.9	62	28	12	27	39	3.41	+0.11	0.90	4.0	12	16	0	12	...	C. B. Eakle
Union [a]††	Monroe	2,250	27	37.6	+4.5	57	28	9	16	38	2.40	−0.47	0.56	0	7	9	6	9	...	W M. H. Young
Wayne††	Wayne	598	4	...	...	...	...	...	...	...	2.81	...	1.10	0	9	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	21	[a]33.2	−2.1	58[a]	27	13	1†	41[a]	2.00	−2.22	0.60	...	6	10	15	3	...	A. P. Spence
Williamson	Mingo	673	31	41.5	+5.4	65	7	20	15	35	2.34	−0.81	0.57	0.4	8	11	3	14	se.	J. E. Dotson
State averages and	extremes	...	...	35.8	+3.6	68	7†	5	3†	49	2.57	−0.56	1.65	1.6	9	10	5	13	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters [a], [b], [c] appearing in the table indicate number of missing days: for example, [b] represents two days, etc.

Daily Precipitation for February, 1931

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac								.45	.48					.50	T		.29	.22				.21										2.15
Brandywine	do							T.	T	.75					.10			.40	.05					T									1.30
Harpers Ferry ‖	do								T	.12	.62							T	.36	.04	T	.01											1.15
Kearneysville	do								T	T.	.95							.30	.10	T		.20											1.55
Martinsburg ‖	do								.02	.50	.60			.05				.25	.15	.10	.08												1.75
Moorefield	do							T	.32	.80								.07	.35														1.51
Piedmont	do							T.	.16	.91	T			.12				.16	.04		.04												1.43
Romney‖	do								.10	.60	.41								.33	.17	.03	.08											1.72
Stony River Dam	do								.26	.70	.22	.08			.04	.04		.11	.21	.23		.16											2.68
Upper Tract	do																		.50														+++
Wardensville‖	do								.10	.31	.37	T.	T					.04	.22	.03	T	T	.01										1.08
Northern Division																																	
Aberdeen	Monongahela							.05	.24	.96	T.			.25	.50			.37	.21	.06	.07	T		T.									2.71
Alma (near)	Ohio							.17	.11	.84				.52	.10		.12	.42	.32	.13	.03												2.76
Alpena	Monongahela							.19	.47	.59	.16			.21	.22			.40	.35	.07	.08	.08		T.									2.82
Benson	do							.13	.70	.70	T.	T	T	.20	.34			.44	.14	.10	.04												2.79
Bens Run	do							.29	.02	.68				.87	.17			.44	.26	.15	.05			.04									2.97
Brownsville	do							.10	.27	.81	T.			.16	.45			.41	.25	.03	.02				T.								2.50
Brueton Mills	do							.32	.14	.80	T.		.16	.34	.12		T.	.40	.11	.20	T.	T.											2.59
Buckhannon	do	T.						.15	.43	.80	.05	T.	T.	.11	.55	T		.40	.30	.08	T.	.05		T									2.92
Cairo	Little Kanawha							.04	.88	.38				.34	.27			.48	.23	.06	.03			.02									2.73
Clarksburg‖	do							.03	.04	.82	.20	T.	T.	T.	.48			.15	.35	05	.05				.04								2.21
Cortland ‖	do																																
Crawford‖	Little Kanawha							.16	.24	.88				.35	.33			.46	.20	.03	.02	T		.02									2.69
Creston ‖	Monongahela								.21	.56	.17				.60			.40	.27	.03	.07	06			.05								2.42
Dam 10, Mon. R.‖	Ohio								.20	.53	.34			.06	.56			.05	.32	24	.14	.03											2.47
Dam 12, O. R.‖	do							.14	.27	.31	.19		03	.03	.82			.15	.26	.10	.11												2.41
Dam 13, O. R.‖	Monongahela							.15	.20	.31			.11	.04	1.00			.05	.40	.18	.08	.02											2.54
Dam 15, Mon. R.‖	do							.04	.11	.74	.26		T.	.02	.51			.16	.35	.18		.03											2.40
Davis ‖	do							.01	.56	.75	T.	T	T.	T.	1.27	T.	T.	.10	.34	.23	.03	.19	T.										3.48
Elizabeth(D'm 3 LK)	Little Kanawha								.14	.90	.22				.62			.38	.32		.07							.62					3.27
Elkins***	Monongahela							.11	.53	.67	.03		T.	.44	.23			.50	.14	.03	.10	.01		.03				.37					3.19
Fairmont‖	do							.06	.17	.75	.14	T.	T.		.56			.20	.40	.16	.02	T	T.										2.46
Glenville ‖	Little Kanawha							.04	.31	.69	.06	.03			.63			.60	.31	.04	.05	.08			.06								2.90
Grafton ‖	Monongahela							.15	.32	.83	T.		T.	T	.30			.48	.19	.07	.10	T.		T.									2.44
Horner	do							.20	.25	.90				.35	.15			.30	.20		.45	.05											2.85
Horton	do							.05	.18	.65	.03			.12	.30			.42	.13		T.	.12		T.									2.00
Janelew (near)	do								.30	1.00				.20	.43			.40	.20	.10													2.63
Lost Creek	do							.09	.52	.96	T	T.	T.	25	.22			.41	.12	.16	.03	T.											2.76
Mannington	do	.01						.24	.03	.85			.01	.48	.24			.34	.21	.11	.03	T.		T.									2.55
Morgantown	do							.23	T.	.43			11	.30	.20	T.		.35	.20	.18	T.												2.60
New Cumberland‖	Ohio	.04						.28	.29	.32	.03		.07	.12	.63	.01		.07	.30	.20	.08	.04	.03										2.51
New Martinsville	do		T.					.25		.75	T.			.90	.20			.35	.20	.10		T.											2.75
Parkersburg***	do						T.	.16	.18	.61	.01		T.	.86			T.	.36	15	.09	.02	T.		.01				.52					2.97
Parsons	Monongahela							T.	T.	1.65	.04	.04		.48	.12			.81	.18	.06	T.	.04											3.42
Parsons No. 2	do							.15	.35	.96	T.	T.	T.	.32	.37			.40	.05	.09	.04	.07		T.									2.81
Philippi	do							.03	.12	1.22	.40		.05	T.	.70			.15	.47	.10	.10			T.	T.								3.34
Pickens	do							.16	.70	.48	.16			.86	.24	.08		.95	.65	.22	.10		.08										4.68
Roanoke	do							.07	.31	.86	T.	.01		.13	.47			.45	.26	.01	.07	T.											2.64
Rowlesburg‖	do							T.	.22	.64	.62		.02		.78			.04	.40	.18	.04	.05											2.99
Saint Marys‖	Ohio							.05	.17	.65	.15		T.	.07	.72			.40	.35	.12	.04	.01		.06	.02								2.81
Terra Alta	Monongahela	T.						.32	.35	.45	.02	T.	.01	.32	.33	T.		.32	.28	.08	.13	.10											2.71
Thomas ‖	do							T.	.40	.85	.47				.62	T.		.06	.41	.20	.05	.15											3.21
Valley Chapel	do								.55	.87				.20	.40			.41	.12	.05	.04			T.									2.64
Vandalia	do							.07	.35	.95				.35	.40			.43	.26														2.81
Wellsburg	Ohio							.48		.43			.18	.55				.28	.17	.23	.15	T.											2.47
West Milford	Monongahela								.62	.60	.28			.25	.20			.40	.12	.06													2.53
Weston	do							.02	.10	.81	.45				.75			.20	.41	.11	.08												2.93
Wheeling‖	Ohio							.19	.20	.42	.11	T	.02	.04	.85			.05	.27	.15	.08	.02											2.40
Woodlands‖	do							.23	.15	.53	.12		T	.07				.10	.27	.18	.15	.05											1.85
Southern Division																																	
Arbovale	Great Kanawha							T.	T.	.93	.04			.46	T			.55	.05	T.	T.	T.											2.03
Bancroft ‖	do							.05	.30	.85	.20				.67			.52	.15	.05					.10								2.89
Beckley	do							.04	.12	.78	T.			.28	.23			.52	.22	.09	T.	T.						.17					2.45
Bluefield	do								*	.57	.02	.02		.05	.36		.17	.31	.18	.07	.01												1.76
Camden-on-Gauley‖	do									.80	T.				.52	T.	T.	T.	.81	.41													2.54
Charleston ‖	do								.20	.90	.24			.46			.54	.16	.03						.12								2.65
Clay‖	do							.05	.14	.98	.44	.02			.36			.81	.35	.14					.31								3.60
Dam 6 G. K ‖	do			.20				.02	.22	.80	.30				.37			.51	.23						.12								2.77
Dam 19 O. R. ‖	Ohio	T.						.05	.10	.68	.13	.02	T.	.09	.88			.30	.24	.08	.01	T.	T.	T.	.01								2.59
Dam 20 O. R. ‖	do							.06	.02	.83	.10	.04		.03	.88			.33	.26	.04	.04				.02								2.65
Dam 25 O. R. ‖	do							.06	.04	.67	.24			.03	.64			T.	T.	T.	.08	.02			.04								1.82
Dam 26 O. R. ‖	do							.03	.11	.73	.12	.02		T.	.55			.58	.20	.02				.03	.14								2.53
Gary ‖	Big Sandy							.02	.03	.43		.36			.55			.23	.22	.07													1.91
Hinton‖	do							.04	.10	.37	.30				.54			.42	.30	.03	.01	.04											2.15
Huntington ‖	Ohio							.02	.62	.86	.13			.38	.10			.63	.04					.02	.08			.02					2.90
Kanawha Falls‖	Great Kanawha								.32	1.03	.04				.40			.54	.24	.12					.12								2.81
Kayford‖	do							.08	.32	.32	.31				.40	T.	T	.38	.21	.06	.17	.03	T.										2.28
Kermit‖	Big Sandy						.05	.05	.85	.08	.02				.65		.52	.18		.18													2.58
Kingston	Great Kanawha								.71	.58	T.	T.		.41	T.	T.		.59	.27	.13								.19					2.88
Lewisburg	do																																
Logan‖	Guyandotte								.30	.72	15	.18			.52	T.		.52	.20	T	.05	T.											2.64
Marlinton	Great Kanawha							.08	.34	.76	.10			.56	T.			.66		T.	T.	T.		T.	.16			.06					2.72
Point Pleasant‖	Ohio							.04	.13	.94	.17	T.		.05	.60			.51	.34	T.	T.	.02			.05								2.85
Rainelle	Meadow Creek								.67	.69	T.			.13	.48			.53	.22	.07	.10	.05						.14					3.08
Ravenswood(Dam 22	Ohio							.07	.10	.75	.20	.02		T.	.54			.36	.32	.07	.10	T			.05								2.58
Richwood	Great Kanawha						.01	.50	.95	.40	T.			.58	T.		.29	.24	.14	.01	.10	T.		.13				.23					3.58
Robertsburg‖	do							.03	.22	.71	.14				.49			.48	.11	.01					.23								2.42
Ryan	do							.03	.41	.91	.04			.22	.03			.71	.14	.08	.02			.10	.07			.07					2.83
Sharples‖	Coal River								.28	.63	T.				.72			.52	.21	.09	.13												2.58
Spencer ‖	Great Kanawha						.04	.23	.66	.26	.08		.07	.05	45			.51	.21	.04	.08	.04	.03		.09								2.84
Sutton	Gauley							.10	.40	.90	.08	.08	T.	.25	.50			.55	.25	.10	.10	.10											3.41
Union	do							.05		.38		.40			.50			.56	.49	.02	T.	T.											2.40
Wayne ‖	Big Sandy							.04	.38	1.10	.17	.02			.54			.46	.09						.01								2.81
White Sulpr. Spgs.‖	Great Kanawha						.05		.60					.50			.40	.35	.10														2.00
Williamson‖	Big Sandy							.04	.09	.57	.22	04			.68			.53	.17	T.	T.												2.34

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for February, 1931

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	34	33	49	44	46	46	43	51	45	29	33	44	46	43	32	47	44	46	44	36	31	32	37	42	48	42	47	61	....	....	....	42.0
	Minimum	19	21	5	28	10	24	25	33	26	18	12	20	26	12	12	25	32	38	32	28	26	24	29	28	11	17	15	14	....	....	....	21.8
Brandywine	Maximum	42	44	45	45	43	50	54	55	53	32	40	48	52	52	40	45	47	47	45	40	44	42	45	50	45	46	50	55	....	....	....	46.3
	Minimum	21	22	13	25	11	18	27	35	32	22	11	18	21	20	10	18	34	37	35	27	24	28	27	31	18	17	16	20	....	....	....	22.8
Kearneysville	Maximum	40	43	42	47	46	49	36	34	37	37	40	53	53	52	44	55	47	42	43	45	42	46	45	48	51	53	51	58	....	....	....	45.7
	Minimum	25	27	17	27	19	21	27	28	32	27	16	25	32	22	17	31	37	37	36	34	32	34	32	31	22	26	27	23	....	....	....	27.3
Martinsburg§	Maximum	41	44	44	46	48	50	34	45	37	35	42	44	42	48	48	42	43	40	46	44	43	45	46	50	52	52	54	..	....	....	....	44.6
	Minimum	30	26	19	19	18	19	28	27	28	27	16	17	27	20	27	37	37	38	34	34	34	33	32	33	22	25	30	24	....	....	....	27.2
Moorfield	Maximum	45	54	53	52	54	57	52	44	45	40	44	57	59	52	57	58	53	47	50	51	45	50	50	56	55	56	55	62	....	....	....	51.9
	Minimum	27	21	16	34	15	30	28	31	35	26	15	25	30	23	17	21	35	38	40	32	34	33	34	36	20	20	19	20	....	....	....	27.0
Piedmont	Maximum	35	36	43	38	48	48	37	36	38	33	36	48	43	42	37	49	42	41	40	41	36	38	42	45	52	45	49	53	....	....	....	41.8
	Minimum	25	24	20	18	18	25	30	30	33	26	19	23	35	19	19	25	34	38	37	32	34	31	34	34	20	23	21	22	....	....	....	26.8
Romney §	Maximum	42	43	49	49	55	54	40	41	37	36	43	55	54	28	43	66	41	43	45	48	38	43	48	49	53	52	54	..	....	....	....	46.3
	Minimum	25	21	15	16	15	15	25	29	32	26	18	20	30	21	19	26	31	35	38	30	30	32	32	33	18	19	24	19	....	....	....	24.8
Upper Tract	Maximum	44	55	50	..	53	54	58	54	50	43	39	36	..	40	41	41	49	43	44	45	45	45	45	50	50	50	58	60	....	....	....	47.8
	Minimum	23	14	26	..	13	20	21	20	30	16	21	22	..	19	18	18	20	34	35	28	26	27	28	31	16	19	15	18	....	....	....	22.2
Wardensville	Maximum	..	44	49	49	52	53	45	44	38	35	42	52	54	32	44	57	40	44	49	45	39	45	50	48	51	52	64	..	....	....	....	46.8
	Minimum	25	..	14	22	13	19	25	30	33	26	19	20	27	22	19	20	31	35	37	31	29	32	33	32	17	20	21	18	....	....	....	24.8
Northern Division																																	
Alpena	Maximum	34	34	49	42	45	46	49	50	44	27	33	42	45	42	33	44	45	42	40	35	30	30	36	41	48	39	50	58	....	....	....	41.2
	Minimum	18	22	10	28	10	24	26	39	25	12	13	31	29	12	12	25	32	38	30	28	25	22	28	29	14	17	13	20	....	....	....	22.6
Bens Run	Maximum	41	43	54	49	47	50	68	55	46	34	37	48	48	47	39	49	50	47	45	39	37	43	43	42	51	47	48	62	....	....	....	46.8
	Minimum	29	28	22	30	19	23	34	44	32	22	13	29	24	19	21	26	46	43	34	34	34	32	34	32	28	24	21	25	....	....	....	28.6
Buckhannon	Maximum	44	41	51	44	43	59	50	53	48	34	33	42	41	16	35	48	47	50	44	36	33	37	42	40	49	50	42	60	....	....	....	44.4
	Minimum	26	23	19	30	17	21	21	45	32	16	14	20	33	20	19	22	38	44	36	31	31	30	33	32	22	21	19	24	....	....	....	26.4
Cairo	Maximum	44	45	56	51	50	55	51	59	38	42	39	51	47	47	50	52	50	50	45	41	38	44	45	48	54	50	54	64	....	....	....	48.6
	Minimum	19	35	15	24	12	12	16	28	32	13	8	25	30	19	14	18	35	43	35	30	33	31	31	32	18	18	15	20	....	....	....	23.6
Clarksburg §	Maximum	41	41	54	40	49	53	55	55	39	31	36	49	47	26	39	50	48	49	42	41	36	39	43	45	51	45	50	64	....	....	....	44.9
	Minimum	26	23	18	20	15	17	20	36	34	17	11	13	31	20	19	21	35	36	35	33	32	31	32	33	22	18	16	19	....	....	....	24.4
Creston	Maximum	42	41	57	45	50	55	59	58	47	34	39	50	48	46	40	50	51	49	45	40	37	45	44	49	54	51	53	65	....	....	....	48.0
	Minimum	28	19	17	25	14	17	28	43	33	20	13	25	31	22	16	19	36	43	36	34	33	31	30	34	19	20	16	21	....	....	....	25.8
Elkins	Maximum	39	38	52	46	46	48	55	54	42	26	35	46	47	33	36	48	46	47	40	37	32	35	39	42	49	41	49	61	....	....	....	43.2
	Minimum	23	22	18	25	17	21	31	42	24	19	15	22	32	15	16	29	34	40	34	30	29	27	32	27	20	20	17	21	....	....	....	25.1
Fairmont§	Maximum	37	40	55	45	51	53	54	52	34	33	37	52	47	23	43	50	49	50	41	40	36	39	43	44	58	44	53	68	....	....	....	45.4
	Minimum	27	27	20	21	18	19	25	36	34	18	12	14	33	20	18	22	36	39	35	34	32	31	32	32	23	22	20	23	....	....	....	25.8
Glenville	Maximum	45	48	58	50	58	57	58	55	51	35	41	53	49	48	40	51	51	50	46	40	40	39	41	49	57	55	56	66	....	....	....	49.5
	Minimum	27	20	19	26	15	19	29	41	33	20	11	26	31	21	20	21	36	43	38	33	34	36	33	31	21	21	21	23	....	....	....	26.8
Grafton	Maximum	40	39	55	50	49	50	57	53	48	33	35	48	49	46	39	50	48	50	46	41	36	40	41	45	56	50	52	66	....	....	....	46.9
	Minimum	27	23	20	27	15	22	31	42	33	20	13	32	32	19	20	22	37	43	37	35	32	30	33	33	21	20	17	24	....	....	....	27.1
Lost Creek	Maximum	42	40	54	50	48	52	57	54	49	33	36	49	47	47	40	48	48	47	45	40	35	39	40	45	54	53	55	64	....	....	....	46.8
	Minimum	24	20	15	30	11	18	28	46	31	14	9	21	35	18	19	23	35	42	35	33	30	30	32	33	19	20	17	15	....	....	....	25.1
Mannington	Maximum	36	39	51	48	45	48	54	54	46	32	33	48	46	46	39	50	47	49	45	39	36	40	42	41	50	47	47	61	....	....	....	45.0
	Minimum	27	23	17	26	13	18	29	40	32	13	6	21	30	18	17	21	34	41	34	33	32	31	32	32	19	18	16	19	....	....	....	24.7
Morgantown	Maximum	37	50	47	45	46	56	53	44	30	31	44	47	45	44	47	49	48	44	44	44	44	39	40	46	44	41	62	..	....	....	....	45.0
	Minimum	24	24	15	31	16	27	32	42	29	19	10	23	24	14	14	28	40	41	32	30	29	29	30	29	20	21	21	30	....	....	....	25.9
New Cumberland§	Maximum	37	41	52	38	47	44	45	44	35	31	35	45	48	24	41	46	42	45	38	34	38	41	37	33	43	46	49	..	....	....	....	40.7
	Minimum	25	25	18	18	15	15	25	33	32	18	11	13	34	16	16	22	35	36	32	32	31	24	30	28	20	21	18	19	....	....	....	23.6
New Martinsville	Maximum	42	41	56	52	49	51	57	57	47	34	38	48	47	47	42	49	49	49	46	40	37	42	43	43	51	48	55	65	....	....	....	47.3
	Minimum	27	26	21	30	15	20	32	42	31	18	10	26	32	17	20	24	34	40	32	33	31	31	32	30	23	20	17	21	....	....	....	26.2
Parkersburg	Maximum	42	45	55	49	48	52	59	55	42	34	38	48	50	35	42	50	52	47	43	38	36	45	42	42	50	46	51	64	....	....	....	46.4
	Minimum	30	32	23	25	15	26	38	42	26	23	14	33	35	18	21	30	40	39	35	34	33	33	35	29	25	27	23	29	....	....	....	29.2
Parsons	Maximum	51	38	56	43	52	50	56	48	45	31	35	51	49	45	38	49	47	49	40	40	37	35	43	45	43	59	60	67	....	....	....	46.6
	Minimum	29	20	16	23	17	18	28	38	29	20	18	24	29	17	17	30	36	38	36	30	31	28	28	28	29	19	16	25	....	....	....	25.6
Pickens	Maximum	40	45	48	50	42	47	53	49	43	26	35	47	46	43	38	44	44	43	40	39	33	39	..	45	52	41	55	64	....	....	....	44.1
	Minimum	25	24	18	20	21	24	23	41	[illegible]	10	14	22	22	14	13	20	23	38	32	25	23	30		29	21	21	17	30	....	....	....	23.1
Terra Alta	Maximum	31	30	46	46	43	44	43	48	44	27	30	41	44	42	34	44	43	44	43	34	30	32	35	38	48	45	46	59	....	....	....	40.5
	Minimum	18	25	7	28	11	29	27	42	25	17	11	22	31	10	11	25	34	39	30	29	25	23	26	21	18	20	21	18	....	....	....	23.0
Wellsburg	Maximum	36	41	52	52	45	45	53	53	43	33	35	41	45	44	41	48	46	47	43	38	35	40	40	37	49	47	49	63	....	....	....	44.3
	Minimum	26	29	13	27	11	18	26	37	32	12	5	29	30	15	14	29	33	38	32	32	32	32	30	28	16	19	15	17	....	....	....	24.2
Weston	Maximum	42	46	50	49	48	50	42	40	38	50	48	45	35	56	49	50	49	50	48	36	45	47	49	48	45	45	52	60	....	....	....	46.8
	Minimum	28	22	19	24	22	20	30	30	30	20	15	20	25	20	19	25	30	42	34	32	30	31	35	33	22	22	20	24	....	....	....	26.0
Wheeling§	Maximum	40	42	58	44	53	50	55	51	36	35	41	47	45	31	44	50	48	51	38	40	37	40	42	40	56	50	52	60	....	....	....	45.6
	Minimum	22	25	15	19	12	16	22	32	32	11	6	11	32	10	12	20	34	40	30	30	30	26	30	20	17	22	15	17	....	....	....	21.7
Southern Division																																	
Beckley	Maximum	50	49	59	51	50	53	59	55	51	48	46	49	49	46	41	44	48	47	43	41	39	40	46	48	53	50	56	53	....	....	....	48.9
	Minimum	24	22	21	28	15	22	35	48	27	18	16	25	37	16	12	23	38	35	34	30	27	26	23	32	28	21	18	33	....	....	....	26.3
Bluefield	Maximum	..	52	57	53	53	57	59		59	32	38	50	50	47	..	46	51	50	44	43	37	..	..	57	54	52	56	54	....	....	....	50.0
	Minimum	..	24	25	36	19	27	39	..	29	20	17	29	37	20	..	13	39	41	35	32	27	..	..	26	33	26	23	35	....	....	....	28.3
Charleston§	Maximum	56	52	60	56	58	64	64	52	40	40	47	58	56	34	50	51	50	48	48	48	38	50	50	55	62	50	52	60	....	....	....	51.9
	Minimum	28	23	23	26	21	21	23	42	38	25	18	18	33	26	19	21	26	38	38	34	34	33	30	32	28	25	25	25	....	....	....	27.6
Gary §	Maximum	54	52	58	49	50	59	62	55	48	33	42	53	54	..	46	49	55	49	47	43	35	50	52	57	58	53	60	58	....	....	....	51.1
	Minimum	30	20	20	21	18	19	20	38	45	21	14	14	25	28	..	17	21	40	40	35	32	32	28	31	30	24	22	23	....	....	....	26.2
Hinton §	Maximum	51	54	58	49	59	60	57	51	47	35	44	55	52	35	48	49	50	53	47	43	35	44	54	56	59	55	57	55	....	....	....	50.4
	Minimum	30	20	22	23	21	20	38	37	41	25	24	26	26	27	20	20	21	39	40	33	33	31	27	30	28	25	24	26	....	....	....	27.8
Huntington	Maximum	47	54	61	52	52	60	68	62	60	47	42	52	50	49	48	50	52	49	48	45	43	46	46	48	54	53	54	58	....	....	....	51.8
	Minimum	22	24	25	33	21	24	43	47	34	30	16	31	36	25	20	26	32	42	41	31	35	33	34	37	27	26	25	29	....	....	....	30.3
Marlinton	Maximum	38	44	46	40	44	48	48	50	46	24	26	16	44	42	36	42	44	50	40	38	30	32	42	46	48	44	50	52	....	....	....	42.1
	Minimum	22	10	12	18	8	12	26	38	24	10	8	18	20	14	10	12	32	38	32	24	26	26	26	28	14	16	12	16	....	....	....	19.7
Point Pleasant	Maximum	48	54	61	61	53	57	60	60	50	38	41	49	49	49	44	50	53	52	47	44	41	46	45	50	55	54	55	62	....	....	....	51.0
	Minimum	25	20	18	28	11	20	36	45	31	24	15	28	38	19	18	28	36	42	35	28	32	30	30	33	23	23	30	24	....	....	....	27.5
Rainelle	Maximum	45	48	55	42	49	50	60	48	50	28	37	48	48	45	40	45	46	45	42	38	32	34	47	50	53	47	53	53	....	....	....	45.6
	Minimum	22	13	14	20	10	26	30	35	26	20	18	21	29	15	14	13	33	39	34	26	26	25	19	32	24	39	39	41	....	....	....	25.1
Ravenswood	Maximum	43	46	56	56	49	56	60	60	47	35	39	48	47	46	40	48	48	49	46	43	43	43	44	47	53	63	52	55	....	....	....	48.6
	Minimum	29	22	21	31	17	22	34	44	32	25	14	30	41	20	20	24	29	43	36	31	33	32	31	33	24	23	21	25	....	....	....	28.1
Richwood	Maximum	40	51	41	48	52	55	51	44	41	36	47	49	25	37	46	47	46	41	39	36	38	44	51	50	44	54	54	..	....	....	....	44.8
	Minimum	19	19	21	12	18	19	43	40	20	18	18	30	20	10	17	20	39	36	30	29	26	26	29	26	22	20	21	27	....	....	....	24.1
Robertsburg§	Maximum	46	52	59	45	52	58	62	50	33	35	33	51	50	25	44	52	52	48	46	38	35	47	44	49	53	50	54	48	....	....	....	46.8
	Minimum	22	22	21	22	18	20	22	43	32	24	15	15	32	23	18	19	34	38	38	32	34	32	31	34	26	23	22	26	....	....	....	26.4
Ryan	Maximum	40	50	55	45	50	55	60	55	45	30	36	57	48	43	37	45	50	45	44	36	33	45	45	50	55	45	55	58	....	....	....	46.9
	Minimum	23	16	17	23	12	15	28	40	30	19	11	25	29	19	13	17	34	40	35	25	30	31	27	31	20	18	16	22	....	....	....	23.8
Spencer §	Maximum	50	57	45	50	55	60	54	35	33	33	38	55	49	26	42	56	51	51	44	38	35	42	43	49	52	45	52	65	....	....	....	46.6
	Minimum	29	19	40	15	16	45	30	34	21	11	15	28	35	26	19	25	37	40	37	30	21	31	30	33	24	22	19	20	....	....	....	26.9
Sutton	Maximum	41	46	56	56	49	54	55	55	49	32	40	50	50	47	41	49	49	46	46	43	38	41	43	52	52	42	51	62	....	....	....	47.7
	Minimum	35	21	17	25	15	17	30	43	32	17	13	24	31	20	18	19	35	37	38	31	32	31	30	20	19	16	12	32	....	....	....	25.2
Union	Maximum	..	48	50	51	48	52	56	..	52	52	46	49	50	51	..	47	50	52	50	48	41	..	50	51	55	55	53	57	....	....	....	50.6
	Minimum	..	18	18	24	16	17	29	..	25	20	18	19	30	21	..	9	36	40	37	32	29	..	22	35	27	23	18	29	....	....	....	24.7
White Sulphur Spgs§	Maximum	45	48	47	36	47	47	54	56	32	39	49	49	25	48	47	47	50	44	38	32	35	52	48	45	54	56	58	..	....	....	....	45.5
	Minimum	13	14	16	13	13	14	27	33	17	16	16	16	17	16	14	16	38	38	30	30	29	20	26	25	18	15	20	25	....	....	....	20.9
Williamson §	Maximum	48	54	60	46	51	58	65	51	44	38	42	56	54	36	46	46	49	47	49	48	39	53	53	52	57	55	59	58	....	....	....	50.5
	Minimum	29	23	25	28	25	30	38	41	41	27	25	30	34	31	20	27	35	44	41	38	35	35	33	39	31	30	35	39	....	....	....	32.5

§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 3-23-31—900)

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

HENRY C. HOWE, Meteorologist

Vol. XXXIX Parkersburg, W. Va., March, 1931 No. 3

GENERAL SUMMARY

March, 1931, was the cloudiest month of State record, with an average of 21 cloudy days and an average of only four clear days. At five stations there were no clear days and there was only one clear day at seven stations. The month averaged decidedly cool, the temperature being nearly continuously below the normal. The highest temperature recorded was only 68°, the lowest State maximum temperature for March, except in 1915. The lowest temperature was 10°, while zero temperature was recorded in March for sixteen of the past years of record. The precipitation was slightly below the normal, making sixteen consecutive months with the precipitation below normal. The snowfall averaged much above the normal and was exceptionally heavy in most of the mountain regions. The falls were light to moderate over the extreme eastern and the western counties, where the snowfall melted nearly as fast as it fell. The month was especially favorable for winter grains. Much plowing was also done.

TEMPERATURE

The monthly mean for the State, determined from 50 stations, was 37.4°. The departure from the normal for 39 stations having ten or more years of record was —5.3°. The temperature was above the normal only four or five days, when the plus departures were only slight. The highest temperature occurred generally on the 1st, 24th, 27th and 28th. The lowest temperature occurred generally on the 3d, 8th, and 13th.

PRECIPITATION

The average precipitation for the State, determined from 87 stations, was 3.52 inches. The departure from the normal for 57 stations having ten or more years of record was —0.26 inch. The precipitation was much the heaviest over the mountain regions and was lightest over the western and southern counties. The greater portion of the precipitation occurred on the 1st, 6-11th, 19-20th, 22-23d, 25-26th, and the 28-29th; but precipitation was frequent, snow or rain being recorded on nearly every day of the month. Most of the snowfall fell from the 4th to the 10th. The heaviest monthly snowfall in inches was as follows: Pickens, 46.0; Alpena, 33.0; Horton, 29.4; Richwood, 21.2. At Alpena there was 25 inches of snow on the ground on the 12th, and at Pickens 24 inches on the 11th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, 1st; Beckley, 1st; Elkins, 7th; Marlinton, 28th; Pickens, 1st, 20th, and 26th; Terra Alta, 1st, 7th, 16th, 17th, 20th, and 26th.

Hail light: Mannington and Valley Chapel, 24th.

Halo, solar: Parkersburg, 18th.

MISCELLANEOUS PHENOMENA (Continued)

Sleet: Alpena, 29th and 30th; Bayard, 30th and 31st; Beckley, 30th; Crawford, 29th and 30th; Martinsburg, 8th; New Cumberland, 19th; Pickens, 29th and 30th; Richwood, 19th.

Thunderstorms (dates and number of stations reporting): 7th, 1; 8th, 1; 14th, 2; 24th, 17; 25th, 4.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	29.98	86	67	72	132.2	36	5,667	7.6	27	sw.	24
Columbus, Ohio	29.97	82	65	71	84.2	23	7,804	10.5	40	sw.	24
Elkins	29.99	85	73	82	67.8	18	4,208	5.7	26	se.	7
Lexington, Ky	30.00	88	73	...	107.3	29	9,022	12.1	36	w.	25
Parkersburg	29.98	81	68	68	40.7	11	4,142	5.6	24	sw.	24
Pittsburgh, Pa	29.97	84	69	72	136.9	46	7,141	9.6	30	e.	7
Wytheville, Va	29.94	76	68	72	100.0	27	5,151	6.9	26	w.	8

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	34.9	....	....	4.91	....	.....	.....	.....	.....	.....	.....
1892	36.4	87	8	3.50		.....	.....	.....	.....	.....	.....
1893	40.7	84	3	1.49	2.89	0.89	5.2	9	8	8	15
1894	45.8	88	1	1.94	3.05	0.75	1.9	8	15	9	7
1895	39.6	90	0	3.05	4.75	0.89	7.9	11	11	9	11
1896	36.1	76	−10	4.45	8.40	1.76	......	13	10	8	13
1897	46.1	81	12	3.60	6.52	1.33	......	12	9	10	12
1898	48.5	86	9	5.13	10.05	1.25	T.	12	8	9	14
1899	42.5	76	0	5.82	8.48	2.40	4.5	13	7	9	15
1900	38.5	78	− 5	3.79	6.48	2.18	14.7	12	7	9	15
1901	42.9	83	−11	3.23	5.27	0.90	2.3	12	8	8	15
1902	43.4	80	− 5	4.30	6.29	3.00	15.0	11	10	9	12
1903	51.3	87	13	4.47	6.59	2.70	0.2	11	10	9	12
1904	43.8	86	7	4.12	6.10	1.38	1.9	11	9	8	14
1905	46.6	88	− 2	4.10	6.46	1.45	0.7	10	14	7	10
1906	37.3	75	− 7	4.77	8.11	1.98	13.4	14	7	6	18
1907	49.6	**94**	2	4.77	8.18	1.05	4.2	12	12	8	11
1908	47.8	89	15	6.04	8.60	1.23	1.1	13	11	8	12
1909	40.8	83	10	3.38	8.66	1.10	4.7	13	9	10	12
1910	49.5	90	5	**0.55**	2.25	**0.04**	1.1	4	18	9	4
1911	40.5	90	− 5	3.30	7.86	1.12	5.2	12	11	8	12
1912	39.9	80	6	5.02	9.36	1.78	5.1	15	8	7	16
1913	45.7	89	− 3	4.53	7.90	1.77	2.7	12	11	9	11
1914	37.3	83	**−13**	3.03	7.11	0.89	17.7	12	10	8	13
1915	34.4	63	7	1.61	4.32	0.53	6.7	8	12	7	12
1916	38.5	88	− 4	4.88	9.88	2.49	9.0	13	11	7	13
1917	41.9	85	− 3	**6.58**	**14.20**	3.10	11.6	14	14	4	13
1918	46.5	85	9	4.26	9.37	1.55	0.1	9	16	5	10
1919	44.5	81	12	2.92	4.81	1.60	0.8	9	16	6	9
1920	42.8	83	− 5	3.38	8.87	1.40	3.1	9	17	5	9
1921	**52.7**	90	10	2.84	5.75	0.63	T.	10	14	8	9
1922	45.0	85	0	5.33	8.19	1.40	3.3	15	10	5	16
1923	41.7	82	− 4	3.23	5.50	0.88	3.2	10	15	5	11
1924	38.9	83	4	4.16	7.86	1.60	9.9	11	10	7	14
1925	43.6	82	−12	3.25	6.59	1.00	2.2	11	12	6	13
1926	35.9	75	− 9	2.87	9.82	0.35	10.0	13	10	7	14
1927	45.4	89	5	2.66	4.97	0.20	1.0	9	11	6	14
1928	41.4	86	− 3	3.87	7.64	1.32	16.3	12	10	9	12
1929	46.7	92	− 2	3.47	6.65	1.27	4.8	12	12	6	13
1930	40.3	79	0	3.21	6.03	0.20	6.9	11	14	6	11
1931	37.4	68	10	3.52	7.95	1.90	9.0	16	4	6	21
1891-1931	42.5	94	−13	3.79	14.20	0.04	5.6	11	11	7	13

Climatological Data for March, 1931

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	30	32.2	−6.0	54	14	15	10	34	3.26	−1.38	0.60	10.0	12	7	4	20	w.	Lewis T. Clark
Brandywine††	Pendleton	1,586	15	34.8	−7.6	55	1	16	21	32	2.55	+0.08	0.75	6.0	10	7	2	22	n.	Elmer Keister
Harpers Ferry	Jefferson	244	42	...	...	...	...	...	...	...	4.07	+1.13	1.06	0.5	11	...	...	...	...	J. C. Newcomer
Kearneysville	Jefferson	548	1	39.4	...	57	27	22	11	27	4.26	...	0.92	T.	11	11	7	13	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	39	[a]39.0	−2.8	59[a]	27	24	11	29[a]	4.61	+1.43	1.25	1.2	15	19	6	6	w.	Dr. H. S. Gardner
Moorefield[a]	Hardy	900	35	40.1	−4.6	60	14	21	20	36	2.24	−0.35	0.60	1.0	11	25	0	5	...	M. S. Henkel
Piedmont	Mineral	1,053	18	37.0	−4.9	58	23	21	11	28	2.96	+0.09	1.14	2.0	7	2	11	18	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	33	[a]36.7	−6.0	68[a]	27	19	1	41[a]	2.94	+0.13	0.90	.	8	2	4	25	...	George E. Bergdoll
Stony River Dam	Grant	3,300	11	...	...	...	...	...	...	...	2.56	−0.57	0.65	22.0	13	0	3	28	w.	A. C. Becker
Upper Tract	Pendleton	1,230	32	[d]36.4	−6.4	58[c]	28†	18[d]	21	37[d]	1.90	−0.22	0.50	...	8	3[d]	0[d]	24[d]	...	J. M. Mallow
Wardensville	Hardy	1,200	14	[b]37.5	...	60[b]	14	21	4†	32[b]	2.96	...	0.69	3.2	11	4	15	12	w.	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	7	...	...	...	...	...	...	...	3.05	...	0.75	9.2	17	3	7	21	w.	L. Else Bond
Alma (near)	Tyler	800	4	...	...	...	...	...	...	...	2.34	...	0.80	3.5	14	2	7	22	...	D. N. Furbee
Alpena	Randolph	2,571	1	31.2	...	49	14	14	10	32	4.60	...	0.80	33.0	19	3	10	18	w.	Christian Hertig
Benson	Harrison	1,080	7	37.5	...	62	1	13	13	35	2.75	...	0.72	4.5	15	3	18	10	...	John A. Clark
Bens Run	Pleasants	652	29	39.0	−4.8	60	27	24	3†	30	3.66	−0.48	1.05	9.0	12	5	10	16	...	J. D. Riggs
Brownsville	Lewis	1,032	8	37.4	...	60	28	13	13	44	3.21	...	0.82	5.0	17	3	6	22	...	George M. Meyers
Bruceton Mills	Preston	1,549	14	...	...	...	...	...	...	...	4.39	+0.98	0.95	11.0	14	0	13	18	sw.	Mrs. Wm. Wolf
Buckhannon	Upshur	1,411	34	37.8	−4.3	59	27	15	13	32	3.84	−0.68	0.80	5.5	16	4[a]	3[a]	23[a]	...	H. A. Darnall
Cairo	Ritchie	680	30	[b]39.3	−5.7	61[b]	1	17	3†	36	3.08	−1.07	0.96	1.3	15	3	11	17	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	9	36.6	...	62	27	16	13	34	2.46	...	0.65	4.0	16	1	5	25	w.	Clarksburg Water Board
Crawford	Lewis	1,107	8	...	...	...	...	...	...	...	3.81	...	0.78	14.4	21	3	6	22	w.	George W. Blair
Creston	Wirt	640	29	38.9	−5.5	60	24	17	13	34	3.64	−0.38	0.90	10.5	18	4	0	27	...	J. M. Reed
Dam 10 Mon. R.	Marion	826	10	...	...	...	...	...	...	...	2.41	...	0.70	...	15	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	15	...	...	...	...	...	...	...	2.15	−1.25	0.45	...	15	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	15	...	...	...	...	...	...	...	2.22	−0.90	0.43	...	16	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	10	...	...	...	...	...	...	...	2.40	...	0.63	4.5	17	...	...	...	...	Lockmaster
Davis	Tucker	3,093	22	...	...	...	...	...	...	...	5.51	+1.02	1.95	...	11	...	...	...	...	Ross C. Male
Elizabeth (Dam 3 L. K)	Wirt	615	19	...	...	...	...	...	...	...	2.63	−1.45	0.80	...	15	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	30	33.8	−6.2	52	28	19	10	29	2.93	−0.87	0.65	16.1	19	0	4	27	w.	U. S. Weather Bureau
Fairmont	Marion	883	25	36.9	−5.0	63	27	17	13	34	2.63	−1.51	0.73	10.0	17	2	6	23	w.	J. C. Robinson
Glenville	Gilmer	738	37	40.0	−4.9	66	24	19	13	43	3.66	−0.58	0.67	7.8	21	3	9	19	w.	Howard R. Brannon
Grafton	Taylor	1,000	38	38.4	−3.3	63	27†	20	3	36	3.79	−0.15	0.83	6.8	12	9	0	22	...	W. E. Clayton
Horner	Lewis	1,044	8	...	...	...	...	...	...	...	3.83	...	0.70	...	18	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	6	...	...	...	...	...	...	...	3.93	...	0.70	29.4	15	1	1	29	w.	J. W. White
Janelew (near)	Lewis	1,020	8	39.2	...	61	27†	17	13	36	2.45	...	0.90	1.2	4	4	5	22	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	33	38.1	−4.7	60	1†	18	3†	38	3.01	−1.08	0.80	5.5	14	3	5	23	w	Allen Smith
Mannington	Marion	985	28	37.4	−5.4	62	27	12	13	33	3.39	−0.36	0.81	8.3	20	3	7	21	w.	Jas. A. Morgan
Morgantown††	Monongalia	1,250	38	35.4	−7.0	58	26	17	11	26	2.64	−0.95	0.85	3.0	13	3	9	19	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	33	[a]35.8	−3.9	59[a]	23	18	11	27[a]	2.57	−0.68	0.60	3.5	18	4	4	23	n.	C. H. Hesse
New Martinsville	Wetzel	634	37	39.1	−4.5	64	27	17	13	35	2.65	−1.00	0.85	1.0	8	2	7	22	n.	Wm. Ankrom
Parkersburg	Wood	638	44	38.8	−4.0	59	24	24	10	26	2.60	−0.89	1.21	5.6	19	0	2	29	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	31	34.8	−5.5	55	14	13	13	30	4.34	+0.28	0.86	11.3	14	3	5	23	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	5	...	...	...	...	...	...	...	2.96	−1.10	0.60	8.5	19	4	7	20	...	Robert T. Deem
Philippi	Barbour	1,550	34	...	...	...	...	...	...	...	3.97	−0.23	0.68	9.2	21	...	...	...	...	Prof. W. W. Thomson
Pickens	Randolph	2,697	28	32.0	−7.5	52	21†	10	13	32	7.95	+2.03	1.46	46.0	21	3	3	25	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	8	...	...	...	...	...	...	...	2.85	...	0.72	10.0	21	2	3	26	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	...	...	...	...	...	...	...	3.20	−1.10	0.59	6.0	19	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	22	...	...	...	...	...	...	...	3.32	−0.30	0.83	5.0	20	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	30	31.2	−7.2	50	1	14	10†	27	3.44	−1.38	0.96	11.0	21	1	4	26	nw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	2	...	...	...	...	...	...	...	3.18	...	0.64	18.5	18	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	8	38.0	...	63	28	18	13	33	2.43	...	0.81	5.0	13	5	11	15	w.	J. C. Campbell
Vandalia	Lewis	1,120	8	...	...	...	...	...	...	...	3.00	...	0.97	8.0	8	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	24	37.1	−2.9	62	27	15	13	32	2.07	−1.22	0.49	1.5	10	7	6	18	w.	George P. Pfister
West Milford	Harrison	979	6	...	...	...	...	...	...	...	2.92	...	0.70	...	12	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	36	37.5	−6.6	58	1	18	13	30	3.33	−1.14	0.84	...	18	0	5	26	...	Weston State Hospital
Wheeling	Ohio	645	44	[g]34.0	−7.1	58[g]	14	11[g]	14	47[g]	2.26	−0.87	0.40	4.6	17	1[g]	8[g]	15[g]	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	4	...	...	...	...	...	...	...	2.44	...	0.60	3.0	16	4	5	22	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	5	...	...	...	...	...	...	...	4.05	...	0.78	19.0	14	3	5	23	n.	H. S. Sutton
Bancroft	Putnam	574	27	[a]38.6	−5.8	62[a]	24	22	3	33[a]	4.60	+0.66	0.70	5.5	20	3	0	28	ne.	R. E. Dent
Beckley	Raleigh	2,440	28	36.4	−6.5	54	24	19	10	31	3.27	−0.59	1.06	5.5	16	0	8	23	...	L. A. Mauck
Bluefield[e]	Mercer	2,558	36	37.1	−7.2	59	14	20	10†	33	2.80	−0.86	0.68	14.0	16	12	2	12	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	28	39.2	−8.8	62	23†	22	3†	31	4.24	−0.08	0.90	0	18	5	0	26	...	R. O. Fields
Clay	Clay	706	15	...	...	...	...	...	...	...	5.25	+1.42	0.84	12.0	19	...	...	...	...	Chilton Wilson
Dam 6 G. K	Kanawha	598	5	...	...	...	...	...	...	...	3.51	...	0.48	0	18	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	15	...	...	...	...	...	...	...	2.53	−1.47	0.72	...	18	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	15	...	...	...	...	...	...	...	2.79	−1.13	0.90	...	18	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	4	...	...	...	...	...	...	...	2.92	...	0.82	...	16	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	15	...	...	...	...	...	...	...	2.73	...	0.73	0	17	...	...	...	...	U. S. Engineers Office
Gary	Mc Dowell	1,426	15	37.5	−5.8	61	24	17	11	36	3.45	−0.16	0.76	3.5	17	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	34	38.3	−6.2	57	18	23	23	33	3.56	−0.49	0.72	3.0	18	9	1	21	...	Mrs. M. L. McClung
Huntington	Cabell	538	34	42.8	−2.2	63	24	24	3	31	3.77	−0.56	0.92	9.0	18	1	5	25	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	12	...	...	...	...	...	...	...	4.13	+1.22	0.63	...	17	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	15	...	...	...	...	...	...	...	4.95	+0.71	1.11	20.0	22	...	...	...	...	Cabin Creek. Con Coal Co
Kermit	Mingo	579	5	...	...	...	...	...	...	...	3.91	...	1.15	7.0	15	...	...	...	...	E. B. Kirk
Kingston	Fayette	1,481	1	...	...	...	...	...	...	...	6.14	...	1.50	15.0	13	4	0	27	...	Claud J. Wriston
Lewisburg	Greenbrier	2,250	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Geo. T. Argabrite
Logan	Logan	700	28	...	...	...	...	...	...	...	4.61	−0.64	0.95	4.8	14	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	32	31.6	−6.7	48	18†	16	13	30	4.82	+0.50	1.00	18.5	16	2	16	13	nw.	S. L. Brown
Point Pleasant	Mason	595	38	41.1	−4.5	64	24	23	3	34	3.71	−0.44	0.78	4.0	19	2	13	16	nw.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	1	33.8	...	51	18	19	9†	31	4.87	...	0.91	13.0	22	3	4	24	...	H. M. Word. Jr.
Ravenswood (Dam 22)	Jackson	584	8	41.0	...	62	24	21	10†	30	2.86	...	0.74	5.0	17	5	0	26	nw.	Lockmaster
Richwood	Nicholas	2,193	1	[a]33.6	...	51[a]	23	13	12	33	4.12	...	0.45	21.2	20	2	6	23	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	31	37.8	−6.6	62	21	21	3†	35	3.32	−0.76	0.70	7.0	18	6	0	25	...	M. Frazier
Ryan	Roane	700	28	36.1	−7.2	58	24	16	3	32	4.88	+0.56	0.80	17.0	22	1	9	21	...	Wm E. Ryan
Sharples	Logan	889	11	...	...	...	...	...	...	...	4.87	+1.28	1.80	...	7	...	...	...	...	R. W. Howard
Spencer	Roane	789	27	39.3	−3.7	63	20	19	13	33	4.21	+0.27	0.73	11.2	20	0	7	24	...	A. M. McKown
Sutton	Braxton	850	25	38.4	−6.6	62	1	17	13	34	5.70	+1.67	0.80	19.0	19	11	0	20	...	C. B. Eakle
Union[d]††	Monroe	2,250	27	34.0	−9.9	59	26	11	22	34	1.75	−1.69	1.32	1.2	7	9	9	9	...	W. M. H. Young
Wayne	Wayne	598	4	...	...	...	...	...	...	...	4.09	...	0.75	...	15	...	...	...	...	Mrs. Laura J Dean
White Sulphur Springs	Greenbrier	1,914	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	A. P. Spence
Williamson	Mingo	673	31	42.0	−5.1	65	24	26	3	29	4.65	+0.04	1.47	4.0	18	1	8	22	se.	J. E. Dotson
State averages and	extremes	...	...	37.4	−5.3	68	27	10	13	47	3.52	−0.26	1.95	9.0	16	4	6	21	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for March, 1931

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard|||	Potomac	.60							.36	.16	.24	.32	.28			T.			T.		.11		T.	.07		.10	.07		.75	.20	T	T	3.26
Brandywine	...do							.20	.35	T	T.	T.	T	T.	T.	T.	.10			.10			.25		.10	.15			*	.75			2.55
Harpers Ferry |||	...do	.54	.26						1.00								.23	.20		T	.13			.31		.07	.06		.21	1.06			4.07
Kearneysville	...do	.80							.92							.08	.20			.28			.20	.03	.14	.11			.60	.90			4.26
Martinsburg |||	...do	.70	.20					.05	1.05	.03	T					.05	.15	.10		.10	.15			.32		.18	.05		.23	1.25			4.61
Moorefield	...do	.60						.08	.46	T.						.17	.01			.05		.15	.05	.04	.03			.60					2.24
Piedmont	...do	1.04						T.	.38	T.	T.					.08				T	T		.15	.10	.07				1.14			T	2.96
Romney|||	...do	.60	.20						.66											.12				.31		.05			.10	.90			2.94
Stony River Dam	...do	.16					.08	.34	.08	.16	.10	.08									.16		.08	.16		.05	.16			.65			2.56
Upper Tract	...do	.50						.15	.20		T.	T.	T			.20	T.	T	T.	T.			.20	.10	T.	.05		.50				T	1.90
Wardensville|||	...do	.50	.06					.15	.47							.25	T.	.06		.10	T.			.51		.07	T.		.10	.69			2.96
Northern Division																																	
Aberdeen	Monongahela	.75			T.	T.	.10	.16	.67	.23	.09	.05	T.			T.	T.			.06	.09		.11	.09	.04	.44	.02		.05	.08	.02	T.	3.05
Alma (near)	Ohio	.80			.01		.03	.07	.50	.09	.01									.23			.08	.01	.13	.15			.22	.01			2.34
Alpena	Monongahela	.80			.08	.16		.24	.32	.48	.18	.48	.16			.10	T.	.08		.14		.08	.08	T.	.02	.44	.10		.22	.14	T	T.	4.60
Benson	...do	.72					.04	.11	.64	.20	.10	.04								.15	.02		.01		.10	.32	.03	.18	.03				2.75
Bens Run	...do	1.04			T.	T.	.03	.10	1.05	.20	.10									.18			.02		.35	.35			.17	.07			3.66
Brownsville	...do	.72					.11	.11	.82	.22	.05	.03	T.			T	T.	T.		.28	.04		.06	.01	.04	.45	.10		.08	.05	.04	T	3.21
Bruceton Mills	...do	.95					T	.70	.08	.16	.40	.16		.40		T.	T	.08	.20		T.		.15		.16	.35	.20		.40	T.	T.		4.39
Buckhannon	...do	.80			T.	T.	.11	.20	.80	.30	.10	.15	T.		T.	.02	T.			.10			.20		.10	.41	.10		.15	.10	T	.20	3.84
Cairo	Little Kanawha	.84			T.			.21	.96	.15	.06	.04					.05			.11			.14	.03	.17	.11	.02		.17	.02			3.08
Clarksburg|||	...do	.65	.10				.04	.10	.59	.10	.04	.01	T							.10	.14		.03	.08		.23	.08		.08	.09			2.46
Crawford|||	Little Kanawha	.78			.03		.10	.24	.60	.29	.41	.11	.05			.08	.03	T.		.14	.12		.13	.01	.05	.23	.10		.19	.02	T	.10	3.81
Creston|||	Monongahela	.71	.03			.05	.08	.25	.30	.15	.13	.15	T.	T.		.07				.12	.06		.15	.07		.20	.15		.27	.10			3.64
Dam 10, Mon. R.|||	Ohio	.70	.16					T.	.25	.12	.03	.04			.06			.06		.06	.13		.03	.08		.22	.15			.32			2.41
Dam 12, O. R.|||	...do	.14					.03	.02	.29	.07	.03				.09	T.	.02			.33	.15			.05		.45	.12		.01	.35			2.15
Dam 13, O. R.|||	Monongahela	.14	.06				.02	T	.43	.04	.06	.04			.24	.02	.02			.21	.05			.10		.35	.12			.32			2.22
Dam 15, Mon. R.|||	...do	.63	.11				.02	.06	.08	.31	.11	.08			.02	.05				.07	.18		.04	.11		.12	.07			.34			2.40
Davis |||	...do	.10	T.	T.	T.	T.	T	T.	.33	.26	.33	1.95	.05		T.	1.95			T.	.01	.19	T			T.	.02	.32					T.	5.51
Elizabeth (D'm 3 LK)	Little Kanawha		.09		.10		.13	.05	.35	.04		.80	T.	T.	T.		.03			.10			.10	.09		.20			.15	.10		.30	2.63
Elkins***	Monongahela	.28			.01	T	.33	T.	.45	.20	.15	.14	.02		.08	T.	.07	T.		.15	.09		.02		.14	.28	.01	T.	.35	.03	T.	.13	2.93
Fairmont|||	...do	.73	.06			T.	.04	.04	.29	.24	.16	.16	T.	T	.02	T.	T.	T		.09	.12		.04	.07		.14	.08		.04	.31	T.		2.63
Glenville |||	Little Kanawha	.67	.05			.07	.08	.21	.65	.14	.28	.07	.02	T.		.08	T.	.06		.04	.09		.11	.12		.46	.12		.21	.03	.10		3.66
Grafton |||	Monongahela	.83			T.	T.	.05	T.	.51	.16	.12	.20	T			T.	T.			.14			.32			.70	.53		.13	.10	T.		3.79
Horner	...do	.70				.10	.07	.12	.11	.08	.07	.25	.25	.20		.25	.05									.68		.10	.20	.15	.20	.25	3.83
Horton	...do	.70			T.		T.	.34	.46	.48	.39	.22	.09		T.		.08			.10	T.		.38			.24	.05		.12	.20		.08	3.93
Janelew (near)	...do	.80							.90	.10															.65								2.45
Lost Creek	...do	.80			T.		.07	.08	.76	.10	T.	.07	T.		T.	T.	T.			.08	.03		.06	.03	.10	.58	T.		.20	.05	T.	T.	3.01
Mannington	...do	.81					.05	.07	.58	.24	.09	.07	.02		.04		.04	T.		.19	.04		.04	.05	.18	.45	.05		.36	.01	T	.01	3.39
Morgantown	...do	.85					T.		.28	.08	.08	T.	.20	T		T.	T		.13	.15	.05	.07	.06	T.	.23	.13	.33		T.	T	T.		2.64
New Cumberland|||	Ohio	.19	.02				T.		.50	.15	.02	.01	.02			.09	.04	.02		.25	.01			.04		.31	.28		.05	.55	.02	T.	2.57
New Martinsville	...do	.60				T	T.	T.	.85	.10	T.	T.	T.				.10			.20					.30	.15			.35	T.	T.		2.65
Parkersburg***	...do	.34			.01	.07	.09	.24	.48	.19	.07	.02	T.		.01	T	.03	T.	T.	.11			.06		.23	.11		.02	.28	.01	T.	.23	2.60
Parsons	Monongahela	.86				T.	.08	.08	.24	.24	.08	.10	.08		T.	.85	T.			.30			T.		.50	.10			.43	T.	T.	.40	4.34
Parsons No. 2	...do	.60	T.		T.		.07	.15	.27	.26	.13	.02	.04			.06	T.			.07	.15		T.	.02	.03	.47	.13		.18	.24	.02	.05	2.96
Philippi	...do	.68	.28				.18	.15	.64	.10	.08	.03	.02	.02		.10	.02	.08		.02	.40	T.		.15		.50	.02		.20	.20	.10		3.97
Pickens	...do	1.26	.04		.08		.08	.24	.64	1.46	.80	.32	.16	.08	.15	T	.16			.42	.08		.38		.14	.40	.28		.50	T.	T.	.28	7.95
Roanoke	...do	.67	T.		T.		.09	.07	.72	.20	.03	.01	.08	T.	T.	.05	.01	.01		.09	.06		.11	.01	.05	.30	.08		.09	.07	.05	T.	2.77
Rowlesburg|||	...do	.58	.30					.04	.28	.05	.06	.09	.03	T.	.03		.02	.03		.03	.22	T.		.03		.36	.39		.03	.59	.04		3.20
Saint Marys|||	Ohio	.83	.20		T.	.03	.06	.03	.95	.11	.05	.05	.04				.02	.01		.11	.04		.06	.06		.47	.10		.06	.03	T.		3.32
Terra Alta	Monongahela	.96			T.	T.	.01	.09	.13	.19	.10	.01	.02		T.	.03	.01	.01		.25	.08		.01	.01	.07	.55	.24		.46	.18	.03	T.	3.44
Thomas |||	...do	.64	.20				.05	.16	.16	.14	.46	.08	.08	.01		.16	.02			T.	.10	T.	T.	.07			.24	T	.06	.45	.10		3.18
Valley Chapel	...do	.73					.08	.20	.81	.10	.20									.20	.06		.10			.57	.08		.20	.10			3.43
Vandalia	...do	.85							.97								.10			.09			.20			.47	.09			.23			3.00
Wellsburg	Ohio	.17							.35	.07	.04	T.	T			T.	T.			.34					.15	.38	.08	T	.41	.08	T.		2.07
West Milford	Monongahela	.70						.25	.70	.10			.05							.15		.10	.08		.20	.32			.19	.08			2.92
Weston	...do	.52	.12				.15	.20	.84	.12	.11	.04	.06				.03			.07	.10		.06	.10		.42	.21		.10	.08			3.33
Wheeling|||	Ohio	.14	.05				.01	.01	.39	.06	.10	.02			.16		.01			.29	.10			.05	T.	.40	.11		.02	.34	T.	T	2.26
Woodlands|||	...do	.32	.08				T	.02	.60	.04	.02	.03	T.		.09	.01	T.			.15				.10	.18	.36	.12		.01	.31	T		2.44
Southern Division																																	
Arbovale	Great Kanawha	.78	T.		T.		T.	.20	.18	.16	.32	.08	.04		.51		.04	T.		.05	T		.48	T.	.35	T.	T.		.66		T.	.20	4.05
Bancroft |||	...do	.49	.05		T.	.10	.05	.50	.70	.12	.20					.39	.05	.10		.19	.05		.22	.09	.05	.43	.10		.42	.30			4.60
Beckley	...do	.43			.04	T.	.09		.25	.04	.02	.01	.01		T.	.50	T.	.06		T.	T		.48	T.	.07	T	.02	.04	1.06		T.	.15	3.27
Bluefield	...do		.31		.04	.02	.08			.20	.34						.38	.04		.07			*	.68		.02		.13	.36		.12	.01	2.80
Camden-on-Gauley|||	...do																																
Charleston |||	...do	.58	.08			.08	.12	.18	.90	.08	.08						.52	.10		.12	.02		.38	.06		.18	.10		.44	.22			4.24
Clay|||	...do	.24	.42				.26	.14	.84	.46	.32	.13	.01	.01		.52	.39	.16			.10		.13	.32		.34	.30			.16	T.		5.25
Dam 6 G. K |||	...do	.48	.20			.03	.04	.24	.21	.25	.25					.38	.03	.03		.09			.31	.08		.15	.06		.46	.22			3.51
Dam 19 O. R. |||	Ohio	.72	.16		T.	.09	.02	.12	.45	.02	.01	.02	T.	T.	T.	T.	.01	.03		.10	.03		.03	.02		.30	.11		.13	.16	T.	T	2.53
Dam 20 O. R. |||	...do	.90	.14			.05	.05	.18	.41	.04	.04	.06				.03	.02			.09	.03		.03	T.		.30	.06		.15	.18			2.79
Dam 25 O. R. |||	...do	.82	.04		T.	.02	.07	.21	.50	.07	.07	T.	T.			.03	.10	.05		.12			T.	.07	T.	.34	.03		.38	T.			2.92
Dam 26 O. R. |||	...do	.73	.03				.10		.50	.08	.01	T.					.05	.02		.14	.02		.02	.05	.02	.22	.02		.50	.22			2.73
Gary |||	Big Sandy	.23	.05		T.	.03		.18	.36	.21	.16	.04	T.			.35		.02					.26	.48	.01	.06			.76	.24		.01	3.45
Hinton|||	...do	.36	.02			.04	T.	.19	.34	.02	.12	.03	.04	.02		.34	.01	.02	T.				.53	.38		.02			.72	.36			3.56
Huntington |||	Ohio	.62			.03	T.	.23	.23	.66	.12	.05	T.			.02	.15	.02	T.		.12			.13		.23	.05	.01	.02	.92		T.	.16	3.77
Kanawha Falls|||	Great Kanawha	.40	.22			.14	.14	.15	.53				.06			.35	.15	.10		.08	.10		.52			.23	.14		.63	.19			4.13
Kayford|||	...do	.42	.09		T.	.09	.03	.07	1.11	.29	.54	.14	.03	T.		.68	.01	.15	T.	.02	.08	T.	.37	.05		.02	.08		.57	.10	.01	T.	4.95
Kermit|||	Big Sandy	.10				.10		.35	.10	.10						.70	.08		.05	.05			.55	.05	.03	.15			1.15	.35			3.91
Kingston	Great Kanawha	.38	.31		.08	T.			.16	.32	.24	.24	.16		.25	.62	T							1.00					.88		1.50		6.14
Lewisburg	...do																																
Logan|||	Guyandotte	.52	.07					.17	.60	.21	.03					.75		.04		.07			.67	.11	.02	T.			.95	.40			4.61
Marlinton	Great Kanawha	.60			T.		T.	.10	.44	.35	.05	.08	T.		.22	.26	.10			.16			1.00		.12	.26	T.		.18	.72	T	.18	4.82
Point Pleasant|||	Ohio	.78	.04			.14	.15	.19	.65	.16	.12	.04	T.			.15	.14	.05		.09	T.		.04	.03	T.	.27	.05		.40	.22			3.71
Rainelle	Meadow Creek	.53	T.		.05	.03	.18	.69	.28	.25	.10	.03		.06		.42	.10	.04		.04	.08		.54	.05	.21	.02	.11		.91	T.	T.	.15	4.87
Ravenswood (Dam 22	Ohio	.74	.10				.10	.13	.53	.02	.10	.05	T.		T		.03	.04		.18	.04		T.	.09		.23	.08		.25	.15	T.	T.	2.86
Richwood	Great Kanawha	.20			.06	.08	.18	.35	.45	.23	.15	.09	T		.45	.10	.13		T.	.20		.28	.16		.10	.18		.23	.26	T.	T.	.24	4.12
Robertsburg|||	...do	.56	.02			.02	.17	.15	.76	.16	.16	.01				.11	T.	.11		.16			.09	.04		.21	.02		.45	.18			3.32
Ryan	...do	.60			.10		.22	.14	.40	.80	.25	.05	.01		.16	.18	.16			.10			.26	.04	.30	.17	.05	.01	.65	.05		.18	4.88
Sharples|||	Coal River	.51								1.80						.31	.10							.90					.93		.32		4.87
Spencer |||	Great Kanawha	.70	.03			.08	.06	.28	.35	.18	.16		T.	.70	.05	.14	.05	T		.10	T.	.11	.05			.73	.20		.15	.05	.04		4.21
Sutton	Gauley	.80			.08	T.	.08	.40	.65	.30	.64	.32			.25	.30	.08			.40	.10		.30		.10	.20			.50	.10	.10		5.70
Union	...do					1.32	.10	.04	T.	T.			.15		.02	.04	T			.08								T.					1.75
Wayne|||	Big Sandy	.45					.36		.74	.35	.02					.75	.05			.04			.26	.02	.05	.02	.01		.75	.22			4.09
White Sulpr. Spgs.|||	Great Kanawha																																
Williamson|||	Big Sandy	.31	.15			.05	T.	.34	.61	.08	.04		T.			.47	.03	.02		.03	T.		.76	.18	.04	.01	T.	.06	1.10	.37	T.		4.65

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for March, 1931

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	53	36	39	36	33	35	37	35	27	23	22	27	39	54	47	34	31	47	42	39	50	49	49	45	43	43	52	48	43	28	45	39.7
	Minimum	32	21	18	22	20	23	27	25	22	15	15	17	20	30	30	22	24	27	31	28	16	30	27	22	33	21	27	39	27	25	28	24.6
Brandywine	Maximum	55	48	42	38	37	40	42	40	30	30	27	36	50	47	45	37	38	40	40	41	42	42	48	48	42	45	48	48	44	45	50	42.1
	Minimum	40	26	20	19	22	24	30	30	25	24	22	21	18	30	37	30	27	28	30	32	16	35	28	24	31	26	30	40	35	30	26	27.6
Kearneysville	Maximum	52	45	40	41	45	48	48	40	39	36	35	38	50	56	45	36	43	50	45	48	53	47	56	52	51	55	57	55	55	52	49	47.2
	Minimum	40	29	26	27	30	32	30	30	30	28	22	26	30	33	34	32	30	30	32	33	26	34	33	29	35	39	30	40	39	35	35	31.6
Martinsburg ‖‖	Maximum	45	42	41	44	48	48	48	41	41	47	36	46	51	57	37	36	44	54	45	49	54	49	58	51	52	57	59	46	47	45	..	47.3
	Minimum	27	30	27	27	29	30	32	32	31	27	24	26	26	30	35	32	30	30	30	32	25	28	35	28	35	39	32	37	40	35	35	30.8
Moorfield	Maximum	57	47	44	44	45	47	47	44	41	37	36	42	53	60	55	45	44	51	52	57	54	56	55	55	54	57	53	46	..	41	54	49.1
	Minimum	38	28	27	22	27	31	31	31	30	25	25	25	24	28	38	32	30	34	36	21	35	33	25	34	39	37	43	38	..	34	32	31.1
Piedmont	Maximum	45	40	42	37	37	42	42	37	32	29	29	32	44	49	44	39	48	46	43	45	51	50	58	50	49	48	54	48	42	34	45	42.9
	Minimum	39	28	27	29	28	30	31	31	29	23	21	25	27	30	37	32	34	36	34	33	23	35	32	32	32	38	29	42	34	32	34	31.2
Romney ‖‖	Maximum	43	45	42	40	42	45	47	40	38	34	34	35	49	55	39	40	40	53	43	49	55	41	55	46	50	55	68	45	42	37	..	44.9
	Minimum	19	28	24	23	26	30	30	31	29	24	22	23	27	31	34	30	30	32	33	32	20	25	30	25	29	36	27	29	38	33	33	28.5
Upper Tract	Maximum	55	48	45	38	35	43	..	40	33	30	30	34	50	55	52	39	40	55	55	..	55	45	51	50	48	..	52	58	38	55	58	46.1
	Minimum	37	25	25	20	26	27	..	28	26	20	21	20	23	27	34	30	25	30	32	..	18	30	28	25	31	..	25	..	33	30	27	26.8
Wardensville	Maximum	43	44	42	41	42	48	44	40	35	35	35	40	..	60	41	39	42	52	40	48	53	38	52	50	52	55	55	46	42	39	..	44.6
	Minimum	39	25	22	21	28	32	31	32	30	25	24	25	28	29	30	32	32	32	33	33	21	35	31	25	31	39	32	38	40	34	34	30.4
Northern Division																																	
Alpena	Maximum	43	37	35	30	29	32	42	42	21	22	22	29	48	49	43	34	31	42	42	37	48	40	46	42	41	40	49	45	42	27	45	38.0
	Minimum	29	21	28	20	20	23	27	22	20	14	15	15	21	26	30	24	21	25	32	27	16	28	27	23	31	30	27	38	25	23	25	24.3
Bens Run	Maximum	56	41	37	41	40	40	54	50	33	32	32	39	50	54	52	42	41	42	46	48	57	50	49	59	53	50	60	55	55	44	52	46.9
	Minimum	34	29	24	33	25	29	32	32	29	24	21	26	24	36	34	32	26	28	31	33	27	35	36	34	40	39	35	35	33	22	35	31.2
Buckhannon	Maximum	50	39	39	36	35	38	53	49	39	29	30	35	43	51	48	48	39	49	49	43	42	58	50	56	46	47	59	58	47	38	52	45.1
	Minimum	38	27	25	30	21	28	32	29	26	21	21	22	15	36	36	31	26	32	38	34	33	26	33	30	39	36	33	47	33	30	33	30.5
Cairo	Maximum	61	43	40	39	43	42	52	53	33	32	30	40	49	51	58	45	40	49	45	50	58	59	55	58	58	50	60	59	59	..	..	48.8
	Minimum	35	28	17	29	28	29	32	31	27	24	25	24	17	29	35	32	24	25	37	35	22	35	35	30	39	38	31	47	33	24	28	29.8
Clarksburg ‖‖	Maximum	45	41	39	40	39	40	53	34	34	28	29	31	45	55	44	45	38	51	46	45	58	43	54	52	43	48	62	59	35	36	51	44.2
	Minimum	27	28	20	25	21	25	30	31	28	22	23	23	16	28	35	29	26	29	35	34	24	36	34	29	36	37	31	40	33	31	32	29.0
Creston	Maximum	40	41	40	40	43	41	52	51	32	31	30	40	49	50	49	43	39	49	47	47	58	55	57	60	51	50	58	58	54	44	51	46.8
	Minimum	35	29	18	29	28	29	32	31	28	25	25	25	17	34	34	33	25	26	37	35	24	39	35	30	39	38	32	47	33	33	34	31.0
Elkins	Maximum	44	35	36	34	34	36	47	43	28	25	24	29	41	47	39	36	32	50	44	39	52	39	47	49	42	44	52	52	42	32	49	40.1
	Minimum	30	25	25	26	25	27	28	25	23	19	19	19	26	32	33	29	25	30	32	28	23	32	30	27	34	31	31	42	29	27	30	27.6
Fairmont ‖‖	Maximum	43	42	43	40	31	41	52	37	33	29	27	33	49	57	45	40	40	50	44	49	60	42	60	55	43	49	63	57	34	36	57	44.6
	Minimum	25	28	21	23	22	27	30	32	28	21	21	22	17	23	35	30	27	30	34	34	26	36	34	31	40	38	34	41	34	31	31	29.2
Glenville	Maximum	53	43	42	39	45	42	53	53	35	33	32	41	50	55	49	46	41	51	49	49	58	59	55	66	48	50	61	60	54	45	54	48.7
	Minimum	37	29	20	29	30	29	32	32	28	24	26	26	19	34	36	32	27	25	38	35	25	38	36	23	40	38	32	47	34	33	33	31.2
Grafton	Maximum	57	41	43	37	40	39	55	45	36	39	29	32	48	58	52	42	38	45	45	48	60	53	51	56	54	49	63	63	50	36	57	47.0
	Minimum	35	28	20	25	22	29	32	31	27	22	22	24	22	34	34	29	25	32	32	33	24	35	34	30	31	37	31	48	32	31	33	29.8
Lost Creek	Maximum	60	46	41	39	38	39	53	50	30	30	27	35	48	55	52	42	39	50	47	45	60	55	53	58	58	49	59	55	53	36	50	46.9
	Minimum	40	27	18	28	20	25	30	30	28	21	21	22	18	34	34	28	24	29	37	33	22	35	34	28	38	36	30	45	32	30	32	29.3
Mannington	Maximum	55	37	39	39	39	40	51	47	32	30	30	31	45	53	48	40	38	48	45	45	56	53	53	54	52	48	62	56	52	37	51	45.5
	Minimum	34	28	13	26	19	24	31	31	28	22	21	25	12	32	34	28	24	31	36	34	23	33	35	28	39	38	30	46	33	31	33	29.3
Morgantown	Maximum	57	35	37	37	36	38	46	47	23	29	29	29	45	52	42	42	42	45	45	51	53	52	53	50	44	58	52	52	32	44	44	43.5
	Minimum	32	25	19	19	21	21	35	28	26	20	17	18	30	30	27	27	30	30	30	27	27	32	35	27	35	32	32	31	29	29	29	27.4
New Cumberland ‖‖	Maximum	39	41	37	40	39	43	46	37	32	27	34	35	45	50	39	40	41	43	38	48	53	47	59	49	41	51	61	55	36	38	..	42.8
	Minimum	23	28	24	24	23	23	26	32	29	22	18	20	20	21	31	30	28	30	33	30	26	30	33	38	39	37	31	38	34	32	32	28.7
New Martinsville	Maximum	56	42	40	41	42	40	59	49	34	31	30	37	51	55	55	42	40	49	47	49	60	56	57	58	59	49	64	60	55	39	55	48.4
	Minimum	32	27	21	29	20	25	30	30	27	21	21	25	17	33	32	29	25	30	35	31	25	33	34	50	38	36	32	42	31	30	33	29.8
Parkersburg	Maximum	45	42	37	40	43	37	53	35	33	29	29	41	50	56	47	42	39	47	44	46	56	47	53	59	48	49	58	56	42	40	50	44.9
	Minimum	31	29	26	33	32	31	32	30	27	24	26	28	26	37	35	32	30	32	36	33	30	39	37	40	39	38	38	42	33	33	35	32.7
Parsons	Maximum	47	44	45	34	35	40	45	35	33	45	35	36	44	55	35	38	33	51	47	37	54	36	54	45	51	49	54	53	34	33	51	42.6
	Minimum	32	21	23	25	25	28	29	28	25	21	19	19	15	35	50	27	26	28	35	23	24	32	26	26	29	32	40	34	28	27	29	27.1
Pickens	Maximum	43	35	34	31	32	39	45	43	44	22	23	23	42	46	40	35	37	51	48	36	52	39	46	51	44	40	52	51	46	39	43	40.4
	Minimum	28	23	25	23	23	20	21	23	20	15	18	15	10	20	30	20	20	25	20	29	29	31	28	21	22	31	32	40	27	20	27	23.7
Terra Alta	Maximum	50	34	37	35	31	33	35	35	25	24	21	25	37	50	48	33	30	42	41	38	46	46	47	46	44	42	49	47	41	28	44	38.2
	Minimum	29	20	16	20	19	22	26	24	21	14	14	16	18	29	28	23	22	25	30	27	19	29	27	24	32	31	30	39	26	24	26	24.2
Wellsburg	Maximum	56	46	39	40	40	43	48	46	34	31	31	35	45	52	48	40	41	44	42	50	54	51	57	54	51	51	62	59	54	36	50	46.1
	Minimum	34	27	21	21	17	22	28	32	29	22	16	25	15	24	32	28	24	30	33	29	22	27	34	28	38	38	30	47	33	32	32	28.1
Weston	Maximum	58	55	35	40	39	38	40	38	35	35	32	35	45	52	50	40	39	50	48	44	55	50	45	52	50	46	42	54	50	35	50	44.4
	Minimum	48	28	22	30	25	29	31	31	28	27	24	25	18	35	34	30	28	31	28	32	25	36	35	32	38	34	31	35	30	30	30	30.6
Wheeling ‖‖	Maximum	40	49	38	46	45	42	52	59	34	32	32	35	56	58	..	..	41	..	..	..	..	..	40	55	42	52	46	56	36	40	40	43.7
	Minimum	32	21	21	24	16	20	22	25	14	20	20	26	15	11	30	..		22	..		..	..	..	25	30	35	32	40	30	28	28	24.3
Southern Division																																	
Beckley	Maximum	49	48	45	42	40	38	45	42	39	37	35	36	50	53	49	46	45	51	49	47	48	44	48	54	51	49	44	49	46	44	41	45.3
	Minimum	30	25	20	25	25	27	33	25	21	19	20	21	23	37	35	28	26	20	33	27	26	30	32	32	34	32	31	32	28	27	26	27.4
Bluefield	Maximum	..	52	44	38	42	42	45	..	45	31	31	36	57	59	..	57	33	54	52	43	45	..	47	53	56	48	47	49	..	48	41	45.9
	Minimum	..	27	23	25	21	27	32	..	22	20	20	22	26	39	..	29	26	21	35	27	28	..	29	33	34	32	37	39	..	28	27	28.3
Charleston ‖‖	Maximum	42	45	44	48	50	38	56	38	34	36	34	46	50	51	52	40	45	56	52	48	60	47	62	62	42	50	55	60	38	41	50	47.5
	Minimum	31	30	22	22	31	31	31	31	28	26	26	27	24	21	37	34	32	27	27	34	29	29	35	38	42	38	36	39	35	34	32	31.0
Gary ‖‖	Maximum	48	43	42	38	43	40	55	33	32	34	31	40	53	60	44	37	37	57	53	41	55	38	52	61	46	51	57	58	36	43	44	45.1
	Minimum	31	32	25	25	28	28	31	30	27	26	17	26	21	24	37	31	32	22	25	32	29	33	33	34	32	38	36	42	36	33	30	29.9
Hinton ‖‖	Maximum	47	51	45	40	47	42	48	38	35	33	30	43	56	52	50	40	40	57	55	42	56	42	56	56	48	51	49	52	38	40	43	45.9
	Minimum	29	31	29	27	30	31	32	32	27	25	25	26	25	27	39	33	32	25	25	33	26	27	23	34	32	33	34	38	37	33	30	30.7
Huntington	Maximum	49	49	44	45	47	43	59	57	57	35	34	46	53	54	50	50	44	54	49	49	62	55	56	63	60	60	55	60	51	50	48	51.2
	Minimum	36	31	24	33	30	33	33	31	29	26	29	31	27	41	39	34	33	27	38	35	31	39	38	44	41	40	41	48	35	35	34	34.4
Marlinton	Maximum	40	42	38	30	32	32	40	38	26	26	26	30	44	44	42	36	36	48	44	38	48	42	46	36	42	44	46	40	38	32	38	38.2
	Minimum	32	24	26	20	24	20	32	22	20	20	18	18	16	30	30	28	24	18	32	22	18	32	30	22	30	28	28	38	26	26	22	25.0
Point Pleasant	Maximum	60	44	42	40	46	45	53	55	35	36	34	45	55	54	51	47	41	50	49	50	60	59	60	64	62	52	55	61	59	45	52	50.4
	Minimum	35	27	23	36	26	29	31	29	26	24	25	27	24	37	34	34	32	25	37	33	26	38	35	38	38	36	38	45	33	33	33	31.8
Rainelle	Maximum	44	39	38	32	38	36	40	28	26	28	36	46	45	45	41	38	36	51	49	36	48	44	47	47	43	42	46	45	43	33	39	40.3
	Minimum	34	31	22	24	26	22	25	22	19	20	19	19	31	32	35	30	27	20	31	28	22	30	33	27	31	33	29	40	29	27	27	27.3
Ravenswood	Maximum	56	42	41	44	44	47	51	51	32	33	32	41	51	53	51	45	41	48	48	48	58	57	53	62	61	50	54	57	58	57	57	49.1
	Minimum	36	29	23	30	30	30	33	31	30	21	26	21	21	38	35	33	30	26	37	33	28	39	35	39	40	39	41	47	43	40	33	32.8
Richwood	Maximum	39	37	32	36	39	45	38	27	25	26	34	46	45	40	31	35	50	45	39	50	40	48	51	43	42	49	45	36	35	42	..	39.7
	Minimum	26	26	26	27	24	27	26	24	20	20	20	13	16	36	31	28	26	25	30	25	34	32	31	36	34	31	41	32	28	29	33	27.6
Robertsburg ‖‖	Maximum	43	45	40	41	37	39	57	32	40	33	33	42	47	50	44	34	39	51	47	43	62	44	47	45	42	54	55	60	42	40	51	44.5
	Minimum	28	30	21	21	29	31	34	31	28	26	26	27	24	25	36	33	32	25	27	34	27	33	34	35	41	38	39	44	35	34	35	31.1
Ryan	Maximum	42	40	37	37	42	34	50	48	32	28	30	37	47	45	43	38	37	50	45	45	55	46	45	58	46	48	54	57	48	38	48	43.5
	Minimum	30	26	16	27	28	27	30	32	26	25	22	25	17	23	33	30	28	23	35	31	23	34	35	30	36	35	32	35	31	30	35	28.7
Spencer ‖‖	Maximum	44	40	41	40	44	39	54	34	32	30	31	44	52	52	45	39	40	50	51	63	44	44	58	62	45	52	58	58	36	45	54	45.8
	Minimum	43	29	20	30	30	31	31	31	28	25	25	26	19	38	35	33	28	27	40	34	31	37	36	44	43	39	37	47	34	33	34	32.8
Sutton	Maximum	62	40	40	34	36	37	52	52	36	31	29	39	48	50	50	43	39	50	50	45	58	58	53	58	58	48	57	57	56	38	49	46.9
	Minimum	36	29	19	28	31	27	31	34	27	23	24	24	17	30	36	31	29	29	37	33	24	36	35	30	29	32	31	45	33	32	27	30.0
Union	Maximum	32	33	45	..	48	51	34	35	38	38	..	38	38	35	28	32	43	..	45	47	45	42	46	55	..	59	54	54	51	57	58	43.7
	Minimum	17	22	15	..	29	22	28	22	18	24	..	19	27	19	14	16	29	..	31	25	24	11	18	21	..	28	38	36	28	29	35	24.3
White Sulphur Spgs.	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Williamson ‖‖	Maximum	46	44	43	42	50	49	61	40	36	40	36	47	56	64	47	40	41	47	52	44	59	44	58	65	48	54	60	60	39	46	49	48.6
	Minimum	43	32	26	31	32	35	34	33	31	29	29	32	27	35	41	35	32	34	38	35	37	35	40	42	45	41	44	49	36	35	32	35.5

‖‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 4-23-31—900)

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

HENRY C. HOWE, Meteorologist

VOL. XXXIX PARKERSBURG, W. VA., APRIL, 1931 No. 4

GENERAL SUMMARY

The temperature averaged somewhat below the normal and the precipitation considerable above. There were three distinct temperature periods, two of cool weather and one of warm weather. Light to heavy frosts occurred early in the month, doing no damage, and heavy to killing frosts at the close of the month, when the temperature fell to 32° at most stations and to near 20° at a few of the mountain stations. Some damage resulted to tender plants but there was only slight damage to fruit. The precipitation was frequent and well distributed over the State. At the close of the month ground was being prepared for corn. Apple trees were in full bloom. The month was favorable for growth and farm work.

TEMPERATURE

The monthly mean for the State, determined from 51 stations, was 50.7°. The departure from the normal for 39 stations having ten or more years of record was —1.0°. The temperature was somewhat below the normal until the 8th. From the 8th to the 21st the temperature was continuously above the normal, with the highest readings generally on the 14th and 19th. The temperature was continuously below the normal from the 22d to the end of the month, the lowest temperature of the month occurring at about one-half the stations on the 30th.

PRECIPITATION

The average precipitation for the State, determined from 83 stations, was 4.12 inches. The departure from the normal for 55 stations having ten or more years of record was +0.48 inch. The greater portion of the precipitation was measured on the 1st, 4th, 8th, 11th, 18th, 22-23d and the 26th, with greatest amounts on the 1st and 22d In most sections the snow melted nearly as fast as it fell, but in the mountain regions the monthly amounts ranged generally from 5 to 19 inches.

HAIL

Light hail fell in sections of Ohio County on the 27th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, Hinton, and Thomas, 4th; Elkins, 5th; Elkins and Grafton, 17th; Arbovale, Bancroft, Elkins, Grafton, Mannington, Marlinton, and Spencer, 18th; Marlinton, 20th.

Halo, lunar: Parkersburg, 2d.

Halo, solar: Ryan, 30th.

Sleet: Bayard, 1st and 22d; Bens Run, 26th; New Cumberland, 2d; Thomas, 1st; Wardensville, 1st; Wellsburg, 1st and 26th; Wheeling, 26th.

Thunderstorms (dates and number of stations reporting): 3d, 4; 4th, 7; 20th, 3; 21st, 1; 23d, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a.m.	local noon	8 p.m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.06	74	51	56	285.6	72	4,597	6.4	26	nw.	26
Columbus, Ohio	30.05	70	50	53	245.0	61	7,215	10.0	51	w.	26
Elkins	30.08	81	54	58	215.6	54	4,026	5.6	26	w.	26
Lexington, Ky	30.09	75	59	....	230.6	58	7,746	10.8	30	nw.	26
Parkersburg	30.07	71	47	53	214.9	54	3,802	5.3	30	nw.	26
Pittsburgh, Pa	30.05	75	61	64	253.1	63	6,867	9.5	40	w.	26
Wytheville, Va	30.04	75	56	60	192.0	49	4,206	5.8	25	w.	29

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	....	....	2.81	....	....	....	....	....	....	....
1892	50.6	87	17	4.28	....	....	....	7	....	....	....
1893	53.4	92	20	5.18	8.98	2.91	0.8	14	8	8	14
1894	50.6	90	14	3.32	5.30	1.97	1.6	11	12	8	10
1895	52.9	90	17	2.93	5.47	0.90	....	9	11	9	10
1896	**57.7**	95	12	2.06	4.35	0.82	....	8	13	12	5
1897	51.5	90	19	2.97	7.10	1.58	....	9	11	10	9
1898	48.0	86	2	3.14	4.86	1.40	....	11	10	9	11
1899	53.4	93	18	1.84	3.17	0.92	0.5	7	13	9	8
1900	51.8	88	16	**1.35**	2.08	0.43	T.	8	14	7	9
1901	47.5	95	18	**7.05**	**10.70**	2.50	6.0	12	10	4	16
1902	49.8	96	21	3.06	4.57	1.53	10.0	7	10	10	10
1903	51.3	91	8	4.47	7.30	2.29	0.4	11	11	8	11
1904	47.7	82	12	3.15	5.71	1.12	1.3	12	9	9	12
1905	52.2	89	14	2.78	5.57	1.10	1.5	11	11	9	10
1906	54.1	92	15	3.16	6.59	0.57	0.3	8	15	8	7
1907	**45.6**	92	10	3.49	6.66	1.42	6.1	12	8	8	14
1908	54.8	92	18	4.30	8.02	0.77	0.3	11	13	8	9
1909	53.0	93	10	5.04	8.57	1.70	2.4	13	10	11	9
1910	53.2	91	16	3.39	9.07	1.63	0.6	11	10	8	12
1911	49.5	88	6	4.29	7.00	0.83	1.5	14	9	8	13
1912	55.4	88	20	4.03	8.00	1.09	0.2	10	11	10	9
1913	52.4	92	12	2.99	5.48	1.61	0.1	10	14	6	10
1914	52.1	93	16	4.63	10.05	1.29	0.1	11	10	9	11
1915	55.5	**101**	10	1.93	5.69	**0.10**	T.	7	15	8	7
1916	50.5	90	17	3.07	5.70	1.25	4.3	12	9	7	14
1917	51.7	90	10	2.99	5.31	1.29	1.8	9	13	8	9
1918	50.3	85	18	5.11	9.14	1.88	10.4	15	9	7	14
1919	51.8	90	10	2.44	4.21	1.03	0.2	9	12	8	10
1920	49.7	91	15	4.91	7.26	1.64	1.2	14	8	7	15
1921	55.7	95	10	2.50	5.09	0.40	0.4	9	13	7	10
1922	54.4	91	15	3.15	6.76	0.50	0.1	9	13	7	10
1923	50.1	88	**— 4**	3.45	4.88	1.00	0.1	8	16	5	9
1924	50.5	88	12	3.24	6.37	0.72	3.6	12	12	6	12
1925	54.9	**101**	6	2.89	4.48	1.42	0.6	10	14	6	10
1926	47.1	87	8	2.44	5.54	0.80	2.5	10	10	8	12
1927	52.0	91	16	5.93	10.21	2.52	0.2	15	9	7	14
1928	48.6	88	11	5.08	8.00	2.57	11.4	12	11	7	12
1929	55.4	94	18	4.54	8.78	2.09	0.8	13	12	7	11
1930	53.2	98	13	1.95	4.16	0.39	1.0	9	14	7	9
1931	50.7	88	18	4.12	6.24	2.13	3.3	10	14	5	11
1891-1931	51.8	101	— 4	3.55	10.70	0.10	2.2	10	11	8	11

Climatological Data for April, 1931

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	30	45.6	−1.3	76	9†	18	30	51	4.37	+0.07	1.01	17.0	10	19	3	8	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	15	47.0	−2.8	76	14	24	30	45	3.10	−0.05	1.50	3.0	6	18	0	12	n.	Elmer Keister
Harpers Ferry	Jefferson	244	42	....	....	....	....	....	....	....	3.72	+0.58	1.91	T.	7	....	....	....	....	J. C. Newcomer
Kearneysville	Jefferson	548	1	52.6	....	79	18	32	30	42	3.58	....	1.70	0	6	14	11	5	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	39	[a]52.4	+0.8	82[a]	19†	31	30	48[a]	3.46	+0.27	1.50	0	9	24	2	4	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	35	53.3	+0.4	86	10†	26	30	54	3.10	+0.10	1.25	T.	7	26	0	4	....	M. S. Henkel
Piedmont	Mineral	1,053	18	50.0	−0.6	82	21	27	30	43	3.67	+0.07	1.30	2.0	8	14	6	10	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	33	[b]51.0	−0.8	85[b]	13	27[a]	30	56[c]	3.88	+0.92	1.70	0	10	13	9	8	....	George E. Bergdoll
Stony River Dam	Grant	3,300	11	....	....	....	....	....	....	....	2.65	−1.33	0.76	19.0	8	10	5	15	w.	A. C. Becker
Upper Tract	Pendleton	1,230	32	[f]49.0	−2.0	80[e]	9	24[f]	30	47[f]	....	....	....	....	....	....	....	....	....	J. M. Mallow
Wardensville	Hardy	1,200	14	[c]50.4	....	81[c]	14†	25[a]	30	50[c]	3.17	....	1.11	T.	10	15	2	13	....	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	7	....	....	....	....	....	....	....	4.22	....	0.88	3.0	11	12	8	10	w.	L. Else Bond
Alma (near)	Tyler	800	4	....	....	....	....	....	....	....	4.77	....	1.15	1.0	10	12	9	9	....	D. N. Furbee
Alpena	Randolph	2,571	1	44.4	....	75	16	19	30	47	3.40	....	0.62	16.0	9	13	8	9	w.	Christian Hertig
Benson	Harrison	1,080	7	50.0	....	81	19	23	8	55	4.06	....	1.01	T.	12	12	11	7	....	John A. Clark
Bens Run	Pleasants	652	29	53.0	+0.2	85	18	30	8	45	5.10	+1.02	1.55	5.0	8	16	4	10	....	J. D. Riggs
Brownsville	Lewis	1,032	8	50.4	....	82	19	25	30	48	3.53	....	0.68	T.	11	15	2	13	....	George M. Meyers
Bruceton Mills	Preston	1,549	11	....	....	....	....	....	....	....	4.61	+0.77	1.20	0.2	10	13	5	12	sw.	Mrs. Wm. Wolf
Buckhannon	Upshur	1,411	34	50.6	−0.6	78	10†	29	30	42	3.20	−1.06	0.70	1.0	9	19	1	10	....	H. A. Darnall
Cairo	Ritchie	680	30	[a]51.0	−3.3	84[a]	19	25	8	55[a]	4.87	+1.19	1.57	T.	12	14	6	10	....	Eureka Pipe Line Co.
Cheat Bridge	Randolph	3,558	5	....	....	....	....	....	....	....	4.15	....	1.05	22.0	12	15	2	13	....	Miss Blanche Cromer
Clarksburg	Harrison	1,015	9	50.4	....	84	19	26	8†	48	3.63	....	0.74	T.	10	14	3	13	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	8	....	....	....	....	....	....	....	3.58	....	0.74	T.	11	14	6	10	w.	George W. Blair
Creston	Wirt	640	29	51.8	−1.7	83	13	28	28†	47	3.78	−0.25	1.20	0	8	17	0	13	....	J. M. Reed
Dam 10 Mon. R	Marion	826	10	....	....	....	....	....	....	....	4.14	....	1.30	T.	13	....	....	....	....	Lockmaster
Dam 12 O. R	Ohio	660	15	....	....	....	....	....	....	....	4.78	+1.62	1.43	....	13	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	15	....	....	....	....	....	....	....	4.59	+1.44	1.45	....	12	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	10	....	....	....	....	....	....	....	3.85	....	1.15	T.	12	....	....	....	....	Lockmaster
Davis	Tucker	3,093	22	....	....	....	....	....	....	....	2.13	−2.34	0.86	....	7	....	....	....	....	Ross C. Male
Elizabeth (Dam 3 L. K)	Wirt	615	19	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Lockmaster
Elkins	Randolph	1,947	39	47.5	−1.3	77	19	25	30	43	2.92	−0.70	0.80	2.6	11	12	5	13	nw.	U. S. Weather Bureau
Fairmont	Marion	883	25	51.8	0	88	19†	29	30	18	4.16	+0.82	1.30	2.2	11	14	1	15	w.	J. C. Robinson
Glenville	Gilmer	738	37	53.6	−0.3	86	19	27	8	46	3.63	−0.11	0.82	T.	10	11	10	9	w.	Howard R. Brannon
Grafton	Taylor	1,000	38	51.3	−0.3	82	10†	25	8	46	3.87	+0.18	0.63	T.	10	17[a]	0[a]	12[a]	....	W. E. Clayton
Horner	Lewis	1,044	8	....	....	....	....	....	....	....	3.13	....	0.80	....	9	....	....	....	....	Foster R. Hardman
Horton	Randolph	2,840	6	....	....	....	....	....	....	....	3.40	.	1.20	21.3	8	11	3	16	nw.	J. W. White
Janelew (near)	Lewis	1,020	8	51.0	....	85	19	25	30	48	3.65	....	1.15	T.	6	14	8	8	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	33	50.4	−0.2	80	11†	25	30	48	3.86	+0.50	0.99	2.5	10	16	3	11	w.	Allen Smith
Mannington	Marion	985	28	49.5	−1.7	80	14†	26	8†	48	4.59	+0.62	1.10	6.0	13	15	4	11	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	38	50.6	−1.1	80	19	27	5	40	3.70	−0.48	1.25	T.	6	15	1	14	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	33	[a]49.2	−0.1	82[a]	19†	25	30	45	3.43	+0.12	1.16	1.0	11	12	4	14	n.	C. H. Hesse
New Martinsville	Wetzel	634	37	51.2	−2.0	84	19†	27	8†	47	5.10	+1.51	1.40	2.5	9	12	8	10	n.	Wm. Ankrom
Parkersburg	Wood	638	41	53.1	....	83	11	33	1	38	4.39	+1.20	1.34	1.0	11	14	4	12	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	31	49.6	+0.4	85	11	24	30	49	2.95	−0.90	0.83	2.0	8	14	5	11	....	J. W. Swisher
Parsons No. 2	Tucker	1,649	5	....	....	....	....	....	....	....	3.57	−0.28	1.05	3.0	11	14	6	10	....	Robert T. Deem
Philippi	Barbour	1,550	34	....	....	....	....	....	....	....	3.91	−0.02	0.80	T.	9	....	....	....	....	Prof. W. W. Thomson
Pickens	Randolph	2,697	28	[a]47.1	−1.1	76[a]	15†	25[a]	8†	37[a]	4.38	−0.88	0.79	21.0	10	13[a]	4[a]	12[a]	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	8	....	....	....	....	....	....	....	3.53	....	0.78	T.	10	16	2	12	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	41	....	....	....	....	....	....	....	4.25	+0.18	0.87	T.	11	....	....	....	....	Walter H. Bolyard
Saint Marys	Pleasants	577	22	....	....	....	....	....	....	....	4.54	+0.64	1.40	1.0	12	....	....	....	....	Wm. Hughes
Terra Alta	Preston	2,559	30	45.0	−1.9	74	14†	19	30	43	3.76	−0.43	0.95	11.9	11	9	8	13	nw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	2	....	....	....	....	....	....	....	3.61	....	0.87	15.0	10	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	8	52.4	....	85	19	27	8†	46	4.08	....	1.00	T.	10	18	7	5	w.	J. C. Campbell
Vandalia	Lewis	1,120	8	....	....	....	....	....	....	....	3.87	....	0.95	....	9	....	....	....	....	James B. Kelley
Wellsburg	Brooke	668	24	49.2	−0.4	82	19	23	30	49	4.61	+1.39	1.16	T.	11	14	6	10	w.	George P. Pfister
West Milford	Harrison	979	6	....	....	....	....	....	....	....	3.80	....	0.80	....	12	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	36	51.6	−1.2	82	19	29	8	42	3.28	−0.77	0.61	0	11	8	9	13	....	Weston State Hospital
Wheeling	Ohio	645	44	49.5	−2.3	85	9†	24	30	53	4.61	+1.46	1.50	T.	12	11	6	13	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	4	....	....	....	....	....	....	....	5.32	....	1.81	3.0	11	15	5	10	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	5	....	....	....	....	....	....	....	3.18	....	0.80	14.5	8	12	6	12	w.	H. S. Sutton
Bancroft	Putnam	574	27	52.7	−0.8	82	14†	30	28	45	4.59	+0.76	1.40	0	9	17	0	13	ne.	R. E. Dent
Beckley	Raleigh	2,440	28	51.5	+1.4	76	9†	27	8	41	4.04	+0.10	0.96	3.9	9	10	10	10	....	L. A. Mauck
Bluefield [d]	Mercer	2,558	36	52.0	−1.2	78	21	28	2	39	3.99	+0.61	1.02	6.0	12	14	4	8	....	Norfolk & Western Ry.
Camden-on-Gauley††	Webster	2,029	16	....	....	....	....	....	....	....	5.55	+2.02	1.33	3.0	8	....	....	....	....	Miss Katie Jarvis
Charleston	Kanawha	600	28	54.6	−1.7	88	14†	30	8	51	4.04	+0.31	1.14	0	10	18	0	12	....	R. O. Fields
Clay	Clay	706	15	....	....	....	....	....	....	....	4.88	+1.54	1.22	T.	12	....	....	....	....	Chilton Wilson
Dam 6 G. K	Kanawha	598	5	....	....	....	....	....	....	....	3.60	.	1.08	....	10	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	15	....	....	....	....	....	....	....	6.24	+2.67	1.71	....	10	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	15	....	....	....	....	....	....	....	5.57	+2.09	1.32	....	12	....	....	....	....	Lockmaster
Dam 25 O. R††	Mason	565	4	....	....	....	....	....	....	....	6.31	....	1.57	0	10	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	15	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	U. S. Engineers Office
Gary	McDowell	1,426	15	51.7	−1.9	80	15†	29	8	44	4.52	+1.06	1.00	T.	15	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	34	53.2	0	83	16	29	8	46	3.37	+0.09	0.96	0.5	11	18	2	10	....	Mrs. M. L. McClung
Huntington	Cabell	538	31	56.4	0	85	19	33	7	42	4.85	+1.24	2.14	T.	11	14	3	13	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	12	....	....	....	....	....	....	....	5.83	+2.07	1.80	....	10	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	15	....	....	....	....	....	....	....	5.38	+1.21	1.00	....	13	....	....	....	....	Cabin Creek. Con Coal Co
Kermit	Mingo	579	5	....	....	....	....	....	....	....	4.05	....	1.53	....	8	....	....	....	....	E. B. Kirk
Kingston	Fayette	1,481	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Claud J Wriston
Logan	Logan	700	28	....	....	....	....	....	....	....	5.10	+0.30	1.13	0	10	....	....	....	....	J. R. Wampler
Marlinton	Pocahontas	2,131	32	44.8	−2.1	76	15	22	3	44	3.99	+0.52	1.12	4.0	8	6	18	6	sw.	S. L. Brown
Point Pleasant	Mason	595	38	53.9	−1.0	85	13	30	8†	46	6.10	+2.82	1.85	0	10	13	7	10	sw.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	1	[i]47.8	....	77	15	24[i]	8	48[i]	5.21	....	1.49	14.0	11	16	2	12	....	H. M. Word, Jr.
Ravenswood (Dam 22)	Jackson	584	8	53.8	....	84	14	29	28	44	5.33	....	1.15	0	11	10[a]	0[a]	19[a]	nw.	Lockmaster
Richwood	Nicholas	2,193	1	[a]48.3	....	76[a]	8†	27	7	46[a]	4.06	....	1.10	4.0	9	14	6	10	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	31	50.6	−2.5	83	14	29	8†	46	3.97	+0.23	1.03	0	11	18	0	12	....	M. Frazier
Ryan	Roane	700	28	49.3	−2.9	80	14†	24	8	46	3.95	+0.10	1.26	0.2	11	11	8	11	....	Wm E. Ryan
Sharples	Logan	889	11	....	....	....	....	....	....	....	5.42	+1.64	0.97	T.	8	....	....	....	....	R. W. Howard
Spencer	Roane	789	27	52.6	−0.1	83	19	29	8†	41	3.08	−0.55	0.70	T.	11	13	3	14	....	A. M. McKown
Sutton	Braxton	850	25	51.8	−1.0	82	9†	26	8	48	4.85	+0.66	1.00	3.0	9	21	0	9	....	C. B. Eakle
Union [d]††	Monroe	2,250	27	51.3	−0.5	80	10†	27	8	46	2.81	−0.36	0.85	5.2	8	10	6	10	....	W. M. H. Young
Wayne	Wayne	598	4								4.55		1.91	0	9					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	21	[a]50.4	−1.2	80[a]	16	25	2	48[a]	3.15	+0.07	1.00	0	10	19	0	11	....	A. P. Spence
Williamson	Mingo	673	31	55.2	−0.3	85	14	32	7	45	5.42	+1.53	1.62	0	12	11	9	10	se.	J. E. Dotson
State averages and	extremes	....	....	50.7	−1.0	88	14†	18	30	56	4.12	+0.48	2.14	3.3	10	14	5	11	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters. a, b, c appearing in the table indicate number of missing days; for example, b represents two days, etc.

Daily Precipitation for April, 1931

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard ||||	Potomac	1.01	T		.30		.61	.32				.23							.11				.08	.21	.95		.52						4.37
Brandywine	do	.70			.35		.15					.25											1.50		T		.15						3.16
Harpers Ferry ||||	do	.62	.71		.08			.22	.11															1.91				.07					3.72
Kearneysville	do	1.05					.36	.26															1.70	.03			.18						3.58
Martinsburg ||||	do	.50	.75		.08		.15	.30	.05	T									T					1.50			.03	.10					3.46
Moorefield	do	.80			.15		.12	.23				.03											1.25				.22						3.10
Piedmont	do	1.10			.16		.64	.10				.05											1.30	.03			.29						3.67
Romney ||||	do	.65	.38		.14		.19	.41	.13			.06											1.70				.12	.10					3.88
Stony River Dam	do	.56					.32	.24				.22							.05					.76			.27	.23					2.65
Upper Tract	do	.25	T					T.	.10										T				1.30	.10									+++
Wardensville ||||	do	.60	.11		.15		.28	.50	.13										T.					1.11		.19	.02	.05					3.17
Northern Division																																	
Aberdeen	Monongahela	.88	.10	.06	.47		.40	.24				.51							.15				.71	.07			.60						4.22
Alma (near)	Ohio	1.15		.31	.96		.16				.30	.18						.12					.57	.02			1.00						4.77
Alpena	Monongahela	.16	.62		.55		.48	.16				.47						T.	.11				.46			T.	.39	T					3.40
Benson	do	1.01	.11	.10	.52		.21	.26				.38						.02	.08				.53	.09			.72						4.06
Bens Run	do	1.55	.05	.54	1.11		.04				.39												.72				.70						5.10
Brownsville	do	.68	.12	.10	.31		.27	.16				.46						T.	.09				.57	.21		T	.56	T	T				3.53
Bruceton Mills	do	.71	.10	1.20			.35	.11				.32						.18					.49	.56	T.		.56	T.					4.61
Buckhannon	do	.70	.10		.18		.30	.15				.55						T	.14				.50			T.	.58						3.20
Cairo	Little Kanawha	1.57	.09	.17	.92		.09				.15	.20						.05	.05				.63	.10			.85						4.87
Cheat Bridge ||||	Monongahela	.10	T.		.58		.36	.50	.05			.50								.10			.07	1.05	T.	.04	.37	.13					4.15
Clarksburg ||||	Little Kanawha	.71	.14		.70		.02	.44				.37							.14				T	.55			.39	.14					3.63
Crawford	do	.70	.09	.01	.19		.46	.17				.47						.21					.66	.08			.51						3.58
Creston	Monongahela	1.20	.25		.76							.40							.05				.27	.32			.53						3.78
Dam 10, Mon. R. ||||	Ohio	.18	.37	.02	1.30		.02	.41	.04			.31							.08					.62		.03	.25	.21					4.14
Dam 12, O. R. ||||	do	.55	.71	.16	1.43		.05	.03				.62										.05	.02	.74		.02	.23	.17					4.78
Dam 13, O. R. ||||	Monongahela	.73	.55	.07	1.45			.03				.46										.03	.05	.70		.03	.27	.22					4.59
Dam 15, Mon. R. ||||	do	.48	.36	.06	1.15		.02	.11				.28							.02					.52		.01	.32	.22					3.85
Davis ||||	do	.30					.40	.27				.10							.14					.86			.06						2.13
Elizabeth (D'm 3 L.K.)	Little Kanawha																																
Elkins***	Monongahela	.14	.05	.22	.10		.58	.15			.37	.03						.11					.80	T.	T.	T.	.37	T.					2.92
Fairmont ||||	do	.62	.20	.40	1.50		.02	.40				T.							.07				T.	.57	T.	.01	.39	.18	T.				4.16
Glenville	Little Kanawha	.82	.21		.52		.12	.48				.43							.08				.04	.51			.42						3.63
Grafton ||||	Monongahela	.63	.08	.15	.60		.60	.11				.40						.16					.60				.54						3.87
Horner	do	.35		.10	.05		.62					.46							.10				.80				.50	.15					3.13
Horton	do	.62	T.		.40		.46	.19				.11						T.					1.20	.04			.38						3.40
Janelew (near)	do	.95			.30		.15	.15															1.15				.65						3.65
Lost Creek	do	.99	.05	.06	.60		.32	.21				.38						.05	T				.58	T.		T.	.62						3.86
Mannington	do	1.10	.10	.50	.97		.27	.14			.02	.34						.01					.51	.09		.02	.69	T.					4.59
Morgantown	do	.70	T.	T.	1.23		.20				T.	.39						T.					.40			T.	T	.78					3.70
New Cumberland ||||	Ohio	.25	.47	.25	.91							.42							.05				.03	.78	T.	.03	.23	T	.01				3.43
New Martinsville	do	1.40	.10	1.40	.60						.35	.10											.60	.05			.50						5.10
Parkersburg***	do	1.00	.04	1.34			.02	.01			.35							.02				.26	.77		T.	.01	.57						4.39
Parsons	Monongahela	*	*	.75			.83	.43										.04					.16	T.			.74						2.95
Parsons No. 2	do	.35	.14	.03	.19		.62	.12				.44						.07					.97	.08			.56						3.57
Philippi	do	.80	.10		.58		.18	.42				.50							.15					.80			.38						3.91
Pickens	do	.57	.20		.67		.56	.40			.26	.53					.05						.45				.69						4.38
Roanoke	do	.78	.12	T.	.07		.31	.44				.45							.10				.66	.10			.50						3.53
Rowlesburg ||||	do	.29	.33	.02	.67		.15	.40				.54							.14					.87			.48	.37					4.26
Saint Marys ||||	Ohio	.46	.40	.03	1.40			.02				.50							.05				.18	.38		.01	.71	.10					4.54
Terra Alta	Monongahela	.45	.12	.02	.53		.38	.13			T.	.31						.06					.95	.11		T.	.70	T	T.				3.76
Thomas ||||	do	.39	.26		.22		.17	.48				.52							.15					.87			.27	.28					3.61
Valley Chapel	do	1.00	.12	.15	.56		.18	.23				.45						.10					.52	.05			.72						4.08
Vandalia	do	.95			.21		.42	.18				.67						.15					.68	.09				.52					3.87
Wellsburg	Ohio	.78	.08	1.16	.18					T.	.50	.13						.03				T.	.82	.03		T.	.56	.04					4.61
West Milford	Monongahela	.80	.12	.08	.61		.31	.20				.39							.14				.48	.04			.63						3.89
Weston	do	.52	.22		.42		.08	.41				.42							.08				.02	.61			.35	.15					3.28
Wheeling ||||	Ohio	.55	.72	.10	1.40			.03				.52										.03	.02	.78		.02	.27	.17					4.61
Woodlands ||||	do	.65	.77	.11	1.81		.06					.50							.07				.28	.65		.04	.37						5.32
Southern Division																																	
Arbovale	Great Kanawha	.32	T.		.62		.80	.04				.34										.01	.78				.27						3.18
Bancroft ||||	do	1.30	.20	.05	.10			.17				.36											1.40	.45			.56						4.59
Beckley	do	.80	.08	T.	.53	T.	.60	.23			.06	.49							T				.96				.29						4.04
Bluefield	do	.91	.06		.40		.67	.13				.43					.02						1.02		.01	.05		.28	.01				3.99
Camden-on-Gauley ||||	do		.56		1.20	.22	.55	.22				1.33												.22				1.25					5.55
Charleston ||||	do	1.14	.16		.46		.06	.18				.44											.64	.50			.42	.04					4.04
Clay ||||	do	1.22	.24	.02	.82	T.	.13	.46				.54							.01				.33	.54	T.		.35	.22					4.88
Dam 6 G. K. ||||	do	1.08	.15		.30		.03	.13				.44												.43	.54		.44	.06					3.60
Dam 19 O. R. ||||	Ohio	1.19	.43	.08	1.38							.42							.04				1.71	.39		T.	.48	.12					6.24
Dam 20 O. R. ||||	do	1.00	.43	.06	1.28			.07				.35							.04				1.32	.41		.01	.54	.06					5.57
Dam 25 O. R. ||||	do	.95	.44	.02	1.45							.54							.04				1.57	.26			.54	.50					6.31
Dam 26 O. R. ||||	do																																
Gary ||||	Big Sandy	1.00	.11	.01	.43	.02	.55	.45		.01		.57	.01										.53	.52		.04	.24	.03					4.52
Hinton ||||	do	.96	.04	T.	.29	T.	.41	.41	T.			.34											.21	.55		.03	.10	.03					3.37
Huntington ||||	Ohio	.82	.10	.02	.21		T.				.40	.07						.05			T.	.02	2.14			.01	1.01						4.85
Kanawha Falls ||||	Great Kanawha	1.80	.14		.73		.42	.48				.68											.58	.55			.35	.10					5.83
Kayford ||||	do	.90	.19	.03	.90	.01	.35	.57	T.			.72							T.				.30	1.00		.02	.25	.14					5.38
Kermit ||||	Big Sandy		.25		.65		.02	.15				.68											1.53	.30			.50						4.08
Kingston	Great Kanawha																																
Logan ||||	Guyandotte	.68	.20		1.00		.20	.30				.72											1.13	.35			.43	.09					5.10
Marlinton	Great Kanawha	.52	.10	T.	.78	T	.65					.34											1.12	T.		.06	.42						3.99
Point Pleasant ||||	Ohio	1.03	.45	.04	1.45							.46							.06			.06	1.60	.25			.70						6.10
Rainelle	Meadow Creek	.78	.13	.02	.85	.04	.84	.18			T.	.55											1.49		T.	.05	.28						5.21
Ravenswood (Dam 22	Ohio	.98	.40	.05	1.15			.05				.43							.03				.95	.52			.67	.10					5.33
Richwood	Great Kanawha	.10	T.	1.03	T.	.33	.39	.01			.75											T.	1.10		T.	.10	.25						4.06
Robertsburg ||||	do	1.03	.22	.02	.41			.02				.35							.07				.92	.29	T.		.61	.03					3.97
Ryan	do	1.26	.15		.28		.21	.15			.39	.06					.06					.05	.84				.60						3.95
Sharples ||||	Coal River	.93			.97		.36	.42				.83											.97	.10			.84						5.42
Spencer ||||	Great Kanawha	.70	.14	.07	.04			.15				.45							.06				.30	.56			.58	.03					3.08
Sutton	Gauley	.70			.75		.55	.50				.55							.10				1.00	.15			.55						4.85
Union	do	.60	.05		.52		.45	.12				.12											.85			.10							2.81
Wayne ||||	Big Sandy	.90	.20		.10							.50											1.91	.11			.78	.02	.03				4.55
White Sulpr. Spgs. ||||	Great Kanawha	.50		.40		.15	.40				.30											.15	1.00		.05	.10	.10						3.15
Williamson ||||	Big Sandy	.49	.34		1.03	T.	.18	.34				.82										.14	1.33	.29		.02	.38	.06					5.42

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for April, 1931

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	43	40	60	56	47	44	55	62	76	76	61	76	76	69	72	72	70	71	74	75	75	65	34	50	53	55	40	52	54	58	....	60.4
	Minimum	29	29	35	31	27	30	30	30	30	35	38	25	35	30	26	30	33	39	30	31	35	31	26	23	36	38	27	29	39	18	....	30.8
Brandywine	Maximum	40	44	64	60	50	47	47	65	67	66	62	70	75	76	72	70	68	70	69	70	68	65	42	50	55	55	52	52	60	65	....	60.5
	Minimum	30	31	26	45	30	31	31	26	34	40	38	28	30	36	38	32	38	36	35	37	40	32	31	37	41	40	30	30	30	24	....	33.6
Kearneysville	Maximum	43	47	66	65	52	50	47	67	78	77	75	62	75	78	68	74	78	79	77	76	77	73	47	54	57	64	57	60	60	61	....	64.8
	Minimum	34	39	35	35	36	40	34	34	39	46	49	34	33	46	60	35	42	45	40	44	48	41	39	34	46	47	37	38	46	32	....	40.9
Martinsburg	Maximum	44	50	64	57	52	42	45	70	80	80	72	64	80	77	70	75	76	76	82	82	80	66	50	56	60	66	52	64	66	..	....	65.4
	Minimum	35	35	35	37	37	37	35	35	38	45	50	37	32	42	40	38	40	48	44	40	45	49	40	35	37	47	36	38	45	31	....	39.4
Moorfield	Maximum	48	48	64	62	55	57	41	71	85	86	81	72	85	86	83	79	86	79	81	79	80	77	59	60	62	62	57	64	66	68	....	69.4
	Minimum	32	37	29	46	32	33	34	31	37	43	42	33	31	41	38	35	38	43	38	40	46	38	33	31	43	47	35	37	46	26	....	37.2
Piedmont	Maximum	39	45	55	50	50	44	41	67	80	80	62	72	76	80	70	74	77	77	78	78	82	68	39	53	56	56	40	56	51	61	....	62.0
	Minimum	33	36	30	42	32	33	35	34	37	44	42	40	48	42	39	36	39	45	39	42	44	36	35	32	43	39	34	36	46	27	....	38.0
Romney	Maximum	40	47	60	51	55	39	49	69	83	82	70	67	85	84	70	79	83	80	84	82	69	46	59	62	80	..	45	60	60	..	....	65.7
	Minimum	31	32	28	31	31	33	33	32	36	40	44	29	29	50	39	34	38	42	37	42	60	36	32	35	44	35	..	35	37	27	....	36.3
Upper Tract	Maximum	40	44	69	65	..	50	40	67	80	72	73	75	..	..	75	75	75	78	78	77	76	70	51	52	..	65	48	58	..	68	....	64.8
	Minimum	30	30	30	44	..	30	31	31	..	36	29	28	..	..	33	32	33	36	37	40	42	33	31	30	..	40	32	33	..	24	....	33.1
Wardensville	Maximum	41	46	67	..	54	38	52	62	79	76	78	65	79	81	69	74	78	81	78	78	77	65	43	67	60	64	46	59	59	..	....	64.9
	Minimum	33	34	38	38	..	32	32	30	34	40	34	28	29	38	34	32	36	35	38	39	43	60	36	32	42	49	32	32	40	25	....	36.0
Northern Division																																	
Alpena	Maximum	42	36	60	57	45	40	37	60	74	72	58	65	73	73	72	75	70	70	72	73	69	64	33	46	50	51	37	50	52	58	....	57.8
	Minimum	29	27	25	36	27	29	28	24	32	41	34	24	28	35	34	28	35	39	35	43	39	29	24	23	35	36	26	27	43	19	....	31.1
Bens Run	Maximum	48	54	57	55	51	50	54	71	79	73	66	73	80	82	74	76	80	85	81	80	80	60	47	57	63	57	45	62	61	66	....	65.6
	Minimum	33	34	34	41	34	38	37	30	40	44	44	36	37	44	45	48	44	40	48	48	56	38	35	34	45	44	35	33	38	51	....	40.3
Buckhannon	Maximum	48	45	67	68	50	40	47	63	76	78	63	63	75	78	75	74	75	70	77	78	78	75	54	55	60	55	44	55	59	60	....	63.5
	Minimum	34	32	32	49	32	35	34	35	41	45	40	32	35	44	43	42	40	37	41	46	49	33	32	32	40	42	33	33	40	29	....	37.7
Cairo	Maximum	46	...	62	62	52	67	55	71	69	79	68	71	80	83	82	82	80	76	84	80	80	80	46	55	61	61	48	60	62	64	....	67.8
	Minimum	32	33	30	34	30	31	36	25	35	34	32	30	41	41	40	33	35	47	36	43	25	36	35	30	43	45	29	27	33	26	....	34.2
Clarksburg	Maximum	42	49	65	49	50	39	51	70	80	77	65	69	79	83	77	81	69	74	84	82	80	62	44	57	60	55	41	59	58	65	....	63.9
	Minimum	33	33	30	42	30	36	32	26	37	40	43	32	31	40	43	35	37	46	39	44	47	51	33	31	37	47	33	32	39	26	....	36.9
Creston	Maximum	45	52	68	65	53	49	53	72	80	79	67	70	80	85	80	79	68	76	82	80	80	76	48	55	61	59	46	61	63	65	....	66.5
	Minimum	34	35	31	42	32	37	36	36	37	40	40	30	33	41	41	36	39	48	38	43	49	36	35	33	43	14	30	28	35	28	....	37.0
Elkins	Maximum	45	40	65	52	50	37	43	62	76	75	61	66	74	76	74	76	72	70	77	76	73	63	37	51	54	56	38	54	55	59	....	60.2
	Minimum	34	31	30	35	30	32	31	28	36	42	39	29	31	38	40	35	36	45	38	51	47	32	29	30	42	35	30	31	33	25	....	34.8
Fairmont	Maximum	43	40	60	45	52	46	50	66	76	67	68	71	83	83	85	85	70	80	88	88	83	63	43	59	59	55	41	60	62	68	....	64.6
	Minimum	35	34	33	40	33	35	35	33	35	45	40	32	35	45	38	42	41	47	42	53	55	57	33	31	38	47	32	32	41	29	....	38.9
Glenville	Maximum	46	52	70	68	55	55	56	73	83	78	69	71	80	84	83	83	81	77	86	85	77	77	47	57	62	62	54	62	65	69	....	68.9
	Minimum	34	34	32	43	34	38	37	27	38	40	42	33	34	43	43	37	39	48	40	44	47	35	35	33	45	49	33	30	54	28	....	38.3
Grafton	Maximum	48	48	66	66	53	53	52	70	80	82	62	70	80	81	79	79	65	75	82	80	80	76	41	55	59	58	43	57	58	62	....	65.3
	Minimum	35	33	31	44	30	37	34	25	40	43	43	30	31	40	42	38	40	47	41	44	46	33	34	30	44	43	33	34	46	26	....	37.3
Lost Creek	Maximum	50	48	65	65	51	49	51	69	78	78	64	66	78	80	78	80	75	74	80	80	78	76	43	56	58	57	45	58	58	64	....	65.1
	Minimum	32	32	30	40	30	35	31	27	38	40	41	31	30	40	40	32	36	45	37	42	43	33	33	29	41	44	31	31	50	25	....	35.7
Mannington	Maximum	47	49	62	54	50	48	50	67	77	77	63	65	78	80	75	76	73	71	80	79	80	75	42	54	59	57	45	59	57	61	....	63.7
	Minimum	33	34	29	40	29	34	33	26	36	39	38	28	30	37	38	33	36	44	37	42	46	35	34	29	43	43	31	31	46	26	....	35.3
Morgantown	Maximum	51	42	62	52	49	46	61	66	76	76	57	65	76	78	72	75	76	76	80	79	79	72	39	57	57	57	48	56	54	58	....	63.1
	Minimum	30	33	33	37	27	33	32	32	46	46	43	30	43	44	46	45	46	44	45	45	57	32	32	35	31	39	34	31	42	28	....	38.1
New Cumberland	Maximum	38	51	54	54	55	49	51	69	79	73	58	60	78	75	73	79	68	70	82	82	80	48	40	55	61	54	45	58	50	..	....	61.7
	Minimum	36	32	33	38	29	34	35	29	36	47	45	28	33	38	39	35	40	38	37	42	52	47	34	31	37	46	33	33	39	25	....	36.7
New Martinsville	Maximum	51	52	57	57	53	51	54	71	80	77	65	71	80	81	75	81	74	76	84	84	81	65	43	59	61	61	45	61	60	64	....	65.8
	Minimum	31	32	30	39	31	36	36	27	39	43	41	31	33	41	43	36	39	44	37	48	53	37	33	29	43	38	29	29	44	27	....	36.6
Parkersburg	Maximum	42	54	56	53	53	47	52	72	79	74	65	70	80	83	77	78	66	73	83	80	80	57	48	54	61	57	42	60	58	62	....	63.9
	Minimum	33	35	38	41	37	40	35	34	50	50	46	40	42	49	51	46	46	50	45	56	57	38	36	36	4[illegible]	40	36	35	43	36	....	42.3
Parsons	Maximum	51	52	67	59	60	45	45	67	80	78	85	72	78	80	80	84	75	76	78	83	77	65	37	52	56	58	43	56	58	63	....	65.3
	Minimum	34	32	29	38	32	33	32	26	36	37	36	27	30	33	34	36	33	34	37	47	47	32	30	30	41	37	30	30	37	24	....	33.8
Pickens	Maximum	46	46	64	54	50	49	39	63	73	72	59	67	60	74	76	76	71	75	73	73	70	60	35	47	48	51	34	52	..	60	....	59.2
	Minimum	36	28	28	36	30	31	29	25	42	45	35	30	37	41	43	39	40	42	50	49	57	30	25	27	27	34	27	28	..	25	....	35.0
Terra Alta	Maximum	40	40	59	54	46	42	38	61	73	73	58	64	71	74	73	71	68	69	73	75	74	67	33	47	52	51	38	51	50	55	....	57.9
	Minimum	28	31	27	34	27	30	28	29	34	40	39	24	28	12	41	34	33	45	38	36	38	29	26	20	35	38	22	27	38	19	....	32.0
Wellsburg	Maximum	48	52	52	53	54	50	52	69	79	69	62	68	78	78	75	79	70	73	82	81	81	76	43	55	59	57	44	59	57	61	....	63.9
	Minimum	33	34	29	39	26	33	35	25	38	40	39	25	29	39	34	31	40	34	33	44	46	38	34	29	41	39	32	32	42	23	....	34.5
Weston	Maximum	38	36	58	52	46	45	48	70	76	78	75	70	78	80	80	79	76	74	82	80	80	78	47	59	60	56	50	55	65	68	....	64.6
	Minimum	32	31	30	42	32	35	32	29	40	45	46	35	36	45	46	38	40	48	41	45	45	40	32	34	45	46	34	33	50	30	....	38.6
Wheeling	Maximum	40	55	52	50	56	48	56	76	85	72	67	71	83	85	82	84	70	61	82	76	83	47	45	60	60	51	58	61	60	70	....	65.0
	Minimum	30	32	32	32	26	44	32	25	32	43	39	26	31	40	40	32	40	36	33	46	47	28	32	25	37	43	26	27	40	24	....	34.0
Southern Division																																	
Beckley	Maximum	38	48	62	60	58	55	52	68	76	73	70	71	75	75	76	76	74	72	71	69	73	71	69	67	64	62	58	57	64	67	....	65.7
	Minimum	32	29	33	37	35	32	29	27	44	49	40	32	43	41	44	47	44	45	45	45	30	32	30	32	41	43	32	32	43	31	....	37.3
Bluefield	Maximum	41	51	60	65	..	49	47	70	76	76	71	..	75	76	76	77	76	71	..	72	78	67	49	49	55	..	59	57	66	70	....	64.6
	Minimum	31	28	31	48	..	31	30	32	47	48	43	..	36	44	47	48	49	51	..	48	52	32	30	35	41	..	31	33	42	38	....	39.3
Charleston	Maximum	44	54	70	50	56	45	57	78	84	80	72	76	86	88	85	86	72	82	82	80	80	54	56	66	64	64	53	65	72	76	....	69.3
	Minimum	34	34	34	39	37	40	35	30	33	44	43	37	40	44	46	41	44	45	45	52	54	48	36	38	40	48	32	33	37	35	....	40.0
Gary	Maximum	41	53	63	53	49	33	51	73	78	77	65	72	77	77	80	80	79	75	74	73	77	47	52	55	64	58	52	55	70	71	....	64 5
	Minimum	34	34	33	39	39	34	35	29	35	40	45	34	37	40	43	43	43	48	42	45	45	43	34	36	43	46	35	39	37	37	....	38.9
Hinton	Maximum	42	58	61	53	53	40	51	75	76	79	69	78	80	80	82	83	77	80	74	78	81	60	69	57	62	61	53	63	69	74	....	67.3
	Minimum	33	33	32	35	39	34	35	29	32	39	44	35	36	41	43	42	43	46	44	48	47	52	37	42	41	45	37	38	38	37	....	39.2
Huntington	Maximum	43	57	71	67	67	52	57	76	81	77	77	73	82	83	83	84	76	76	85	83	80	78	62	58	63	60	60	63	70	69	....	70.4
	Minimum	38	35	38	43	38	42	33	34	44	45	42	39	40	47	49	45	47	50	45	54	58	38	36	41	47	48	36	35	48	37	....	42.4
Marlinton	Maximum	40	40	58	62	52	40	42	62	72	70	58	66	70	74	76	74	72	74	72	70	66	58	40	50	52	50	38	52	56	64	....	59.0
	Minimum	32	32	22	40	32	32	30	26	28	32	34	24	26	30	34	30	30	32	36	34	34	30	26	28	28	34	28	30	40	24	....	30.6
Point Pleasant	Maximum	51	58	68	68	55	57	56	76	81	79	68	72	81	85	84	84	80	76	85	82	81	76	51	54	62	62	50	62	66	65	....	69.2
	Minimum	34	35	35	40	34	38	32	30	42	44	38	35	37	45	46	42	43	48	40	48	53	34	35	36	42	47	33	32	30	32	....	38.6
Rainelle	Maximum	38	45	61	52	49	42	43	68	76	75	63	70	76	76	77	76	75	75	71	70	73	64	47	53	58	56	44	56	63	65	....	61.9
	Minimum	33	30	26	38	32	33	31	24	31	33	37	27	28	32	34	33	32	42	46	41	43	..	..	..	..	..	..	..	..	..	....	33.6
Ravenswood	Maximum	50	54	66	68	53	53	53	71	76	78	67	70	79	84	81	79	77	74	81	83	79	75	68	55	61	61	49	61	62	65	....	67.8
	Minimum	35	34	35	42	36	40	34	30	43	44	41	33	37	40	46	39	43	49	41	53	58	31	36	35	45	47	35	29	52	32	....	39.8
Richwood	Maximum	44	63	49	49	35	44	66	76	74	65	69	74	75	76	75	73	73	70	72	73	57	41	51	57	52	39	55	59	64	..	....	61.0
	Minimum	30	30	36	34	33	32	27	30	38	39	33	32	38	36	38	39	42	41	43	52	56	30	30	32	34	32	32	33	30	35	....	35.6
Robertsburg	Maximum	41	56	62	51	53	44	55	75	81	65	68	70	77	83	78	81	67	73	78	82	78	48	51	55	63	55	46	56	58	56	....	63.5
	Minimum	36	34	34	42	33	40	33	29	37	41	39	33	36	38	45	40	42	42	40	45	49	38	34	37	40	42	30	29	42	31	....	37.7
Ryan	Maximum	45	50	66	61	50	45	50	70	76	75	64	65	77	80	80	80	72	80	80	76	75	60	43	52	55	52	43	55	62	63	....	63.4
	Minimum	36	30	29	36	31	36	33	24	36	38	38	30	32	39	40	37	37	37	39	44	48	32	33	32	39	42	26	26	47	28	....	35.2
Spencer	Maximum	43	55	70	50	54	42	50	73	80	72	69	70	79	82	80	81	67	79	83	80	80	47	48	56	60	50	47	61	64	61	....	64.4
	Minimum	35	33	40	41	35	40	36	29	45	46	44	35	38	44	45	45	45	46	42	52	55	46	36	35	45	47	31	29	52	31	....	40.8
Sutton	Maximum	49	55	70	70	52	52	50	72	82	82	64	69	80	81	81	79	79	73	76	77	80	80	46	56	60	60	52	59	62	65	....	67.1
	Minimum	33	31	29	41	34	35	33	26	37	38	39	31	32	39	41	37	37	47	40	44	47	33	35	33	45	46	31	31	42	29	....	36.5
Union	Maximum	38	42	62	61	..	50	46	70	79	80	77	..	77	76	78	80	80	77	..	75	74	71	50	54	60	..	60	57	66	71	....	65.8
	Minimum	31	30	29	48	..	31	30	27	35	40	43	..	31	38	42	39	47	46	..	44	46	32	31	35	41	..	32	34	41	33	....	36.8
White Sulphur Spgs.	Maximum	35	62	56	50	38	48	69	79	79	77	72	77	79	79	78	80	74	75	75	76	56	45	59	59	53	47	60	66	68	..	....	64.5
	Minimum	32	25	33	38	34	33	26	32	36	41	30	30	31	40	35	47	41	37	42	40	48	33	33	39	44	32	35	44	38	42	....	36.4
Williamson	Maximum	45	60	65	52	54	43	59	79	83	78	72	78	84	85	83	84	78	80	84	79	79	51	56	62	66	58	56	66	75	74	....	68.9
	Minimum	36	35	38	43	42	40	32	34	40	43	47	39	40	42	49	47	45	48	46	51	50	41	36	39	45	49	35	36	42	39	....	41.6

Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.070	.010	.031	.029	.017	.074	.008	.067	.122	.176	.153	.243	.123	.201	.176	.197	.160	.073	.169	.202	.218	.258	.037	.040	.070	.028	.139	.089	.264	.191	....	3.630
	Wind movement	134	125	84	52	35	116	71	42	21	34	74	64	25	50	25	47	20	23	31	37	37	89	109	49	16	36	169	104	183	98	....	2,000

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 5-20-31—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

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WEST VIRGINIA SECTION

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HENRY C. HOWE, Meteorologist

VOL. XXXIX PARKERSBURG, W. VA., MAY, 1931 No. 5

GENERAL SUMMARY

May weather was characterized by frequent showers, thunderstorms and hail, giving generally heavy rain in the central, north-central and eastern counties. At most stations in the western portion of the State the precipitation was near the normal. The month was also cool, with light to killing frosts early in the month and on the 24th In the central or mountain counties the frost caused considerable damage to beans and potatoes. The temperature fell to 32° or below at fourteen stations on the 24th. Notwithstanding frequent and heavy rains in many portions of the State, crops made fair to good growth and were in satisfactory condition at the close of the month; but most crops were weedy and much in need of cultivation.

TEMPERATURE

The monthly mean for the State, determined from 53 stations, was 60.6°. The departure from the normal for 41 stations having ten or more years of record was −1.0°. The decidedly cool periods of the month were from the 1st to the 5th and from the 21st to the 26th, with light to killing frosts on the 1st, 4th and 24th. Moderately warm weather prevailed from the 16th to the 20th and from the 27th to the 31st.

PRECIPITATION

The average precipitation for the State, determined from 88 stations, was 5.09 inches. The departure from the normal for 58 stations having ten or more years of record was +1.04 inches. The bulk of the precipitation was received on the 2-3d, 7-8th, 10-14th, 17th, 20th-23d, 25th and 31st. The greatest amounts were measured on the 7-8th, 13-14th, 21st and 23d. Traces of snow were noted at ten stations.

LIGHT HAIL

Light hail was noted in sections of the following counties on dates given: 7th.—Summers; 9th.—Brooke, Lewis, Preston and Wood; 10th.—Harrison, Gilmer and Marion; 12th.—Grant, Mingo and Wood; 13th.—Randolph; 14th.—Upshur; 18th.—Preston and Randolph; 19th.—Brooke, Hampshire, Pleasants, Tucker and Upshur; 22d.—Nicholas and Raleigh; 24th.—Ohio; 25th.—Cabell; 29th.—Grant, Lewis and Tucker.

MODERATE HAIL

Moderate hail, doing only slight damage, fell at Piedmont on the 19th and 30th, and at Grafton on the 18th.

HEAVY HAIL

About the middle of the afternoon on May 11, a destructive hail storm, attended by heavy rain, swept over the Falling Springs district, Greenbrier County. The storm moved southward about five miles, covering a territory near a mile in width. The storm was most severe in and near Renick, where much damage resulted. Composition roofs and automobile roofs were riddled, many windows broken, fruit trees stripped of leaves, and gardens destroyed. Many chickens were killed. The stones were reported as about the size of hulled walnuts. [illegible] sometime after the storm the hail on the ground in places was several inches [illegible]

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 2d and 18th; Clarksburg, 4th; Davis, 15th; Glenville, 4th; Marlinton, 2d, 19th, 26th, 27th, and 30th; Pickens, 2d and 12th; Terra Alta, 8th; Wellsburg, 18th; Williamson, 4th, 15th, and 22d.

Halo, lunar: Elkins, 24th.

Halo, solar: Terra Alta, 9th.

Thunderstorms (dates and number of stations reporting): 2d, 1; 3d, 2; 7th, 10; 8th, 3; 9th, 6; 10th, 14; 11th, 5; 12th, 8; 13th, 1; 14th, 5; 17th, 9; 18th, 7; 19th, 6; 20th, 3; 21st, 1; 22d, 10; 23d, 2; 24th, 2; 25th, 12; 26th, 2; 30th, 9; 31st, 8.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
									Max. velocity		
		8 a.m.	local noon	8 p.m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Miles per hour	Direction	Date
Cincinnati, Ohio...	29.95	76	58	58	290.7	65	1,433	6.0	22	sw.	6
Columbus, Ohio...	29.94	73	55	56	291.7	65	7,046	9.5	32	w.	2
Elkins........	29.97	80	55	66	231.1	52	3,498	4.7	25	nw.	2
Lexington, Ky.....	29.98	77	62	...	212.2	48	8,438	11.3	36	sw.	20
Parkersburg.......	29.97	68	55	62	199.4	45	3,431	4.6	24	nw.	2
Pittsburgh, Pa....	29.94	73	54	60	283 2	64	6,241	8.6	33	nw.	23
Wytheville, Va....	29.94	76	56	67	225.0	51	3,718	5.0	22	nw.	22

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (inches)	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	57.2	....	......	3.18	......	......	......	......	......	......	......
1892	62.2	96	32	5.04	......		......	......	......	......	......
1893	59.5	92	30	4.51	6.41	1.83	......	10	12	9	10
1894	62.1	100	28	4.44	9.40	2.17	......	13	16	9	6
1895	61.6	**105**	20	2.60	6.31	0.79	......	9	12	11	8
1896	**68.3**	95	33	3.01	5.92	0.65	......	10	11	13	7
1897	57.6	90	23	4.60	7.06	2.17	......	11	13	10	8
1898	63.0	94	28	4.51	6.15	2.76	......	13	13	10	8
1899	64.1	96	35	5.17	7.68	3.17	......	12	11	11	9
1900	62.5	98	21	2.99	6.75	0.35	......	8	14	9	8
1901	61.8	96	21	6.15	8.88	2.50	......	13	11	10	10
1902	65.2	98	25	3.17	6.09	1.30	......	9	14	11	6
1903	64.3	95	20	3.03	6.24	0.80	T.	8	18	9	4
1904	61.8	98	25	3.55	5.80	1.54	T.	11	12	11	8
1905	64.2	96	26	4.95	7.96	1.90	0	11	12	10	9
1906	62.7	98	22	2.59	6.89	0.39	T.	9	15	9	7
1907	59.0	93	24	3.88	6.37	1.38	T.	12	12	10	9
1908	63.4	96	28	6.19	11.45	2.73	0.1	17	9	12	10
1909	60.8	93	21	3.82	6.05	1.80	0.1	10	14	9	8
1910	57.9	96	19	3.92	5.87	1.55	0	12	11	10	10
1911	66.0	100	22	**1.46**	6.35	**0.03**	0	5	20	8	3
1912	63.3	94	31	3.93	7.50	1.16	0	11	15	8	8
1913	61.6	95	19	5.16	8.86	1.89	0	10	14	8	9
1914	62.4	100	24	1.96	3.75	0.55	0	6	18	8	5
1915	61.1	92	29	4.22	6.85	2.56	0	13	10	9	12
1916	64.0	97	28	3.58	6.00	0.90	T.	11	14	9	8
1917	**55.5**	95	25	4.88	5.45	2.45	T.	10	11	8	12
1918	66.7	97	25	4.34	10.28	1.85	T.	11	15	9	7
1919	61.5	100	30	5.25	10.71	2.75	0	13	12	7	12
1920	58.9	95	24	2.76	6.97	1.08	T.	7	16	6	9
1921	61.4	96	24	4.48	10.67	2.12	T.	12	12	7	12
1922	63.7	94	26	3.67	5.83	1.55	0	11	14	7	10
1923	59.7	93	21	2.58	5.33	0.18	1.3	8	16	6	9
1924	**55.5**	93	23	**7.20**	**12.20**	3.91	0.1	17	9	7	15
1925	56.8	100	21	3.35	6.56	0.70	0.2	10	13	8	10
1926	61.2	94	**14**	2.50	4.65	0.07	T.	9	15	8	8
1927	62.0	95	21	4.13	7.74	0.75	T.	15	10	8	13
1928	58.9	94	22	2.61	5.30	0.55	T.	10	14	8	9
1929	60.8	98	23	5.81	11.14	2.25	0.1	15	10	9	12
1930	63.3	101	23	2.17	4.99	0.64	0	10	15	8	8
1931	60.6	98	23	5.09	9.59	2.68	T.	15	12	8	11
1891-1931	61.6	105	14	3.96	12.20	0.03	T.	11	13	9	9

Climatological Data for May, 1931

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	30	55.6	−0.8	86	28	23	1†	47	6.74	+2.02	1.10	0	16	9	14	8	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	15	58.4	0	90	29	27	4	41	3.55	+0.95	0.85	0	10	17	2	12	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	42	....	....	....	....	....	....	....	2.81	−0.81	0.96	0	9	....	....	....	....	J. C. Newcomer
Kearneysville	Jefferson	548	1	63.8	....	93	30	35	4	38	5.51	....	1.45	0	13	10	18	3	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	39	[a]63.0	+0.2	93[a]	30	35	4†	42[a]	5.08	+1.36	1.20	0	12	21	9	1	e.	Dr. H. S. Gardner
Moorefield	Hardy	900	35	64.0	+0.8	96	29†	31	1†	46	4.18	+0.63	0.97	0	10	30	0	1	....	M. S. Henkel
Piedmont	Mineral	1,053	18	59.6	−0.4	86	29	31	4	41	7.73	+4.63	1.37	0	15	10	8	13	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	33	[b]62.1	−0.8	96[b]	30	30[a]	1†	46[c]	6.15	+2.65	1.38	0	13	13	10	8	....	George E. Bergdoll
Stony River Dam	Grant	3,300	11	....	....	....	....	....	....	....	6.73	+2.33	1.02	T.	15	6	8	17	w.	A. C. Becker
Upper Tract[c]	Pendleton	1,230	32	59.8	−0.6	88	30	28	1†	47	....	....	....	....	....	....	....	....	....	J. M. Mallow
Wardensville	Hardy	1,200	14	[a]61.0	....	93[a]	29	28	1	45[a]	3.67	....	0.95	0	14	15	7	9	w.	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	7	....	....	....	....	....	....	....	5.74	....	1.17	0	14	8	15	8	w.	L. Else Bond
Alma (near)	Tyler	800	4	....	....	....	....	....	....	....	4.58	....	0.82	0	19	11	9	11	....	D. N. Furbee
Alpena	Randolph	2,571	1	54.6	....	84	28	24	1†	46	6.28	....	1.21	T.	14	7	15	9	w.	Christian Hertig
Benson	Harrison	1,080	7	60.6	....	90	29	28	4	52	5.66	....	1.02	0	17	9	16	6	....	John A. Clark
Bens Run	Pleasants	652	29	64.6	+1.7	94	28	36	24	45	4.31	−0.22	0.78	0	16	12	10	9	....	J. D. Riggs
Brownsville	Lewis	1,032	8	60.4	....	89	18	30	4†	47	5.61	....	1.50	0	15	15	9	7	....	George M. Meyers
Bruceton Mills	Preston	1,549	14	....	....	....	....	....	....	....	7.44	+3.18	1.30	0	12	10	12	9	sw.	Mrs. H. R. Muldoon
Buckhannon	Upshur	1,411	34	59.6	−1.6	89	30	33	4	38	5.83	+1.23	0.87	0	16	15	9	7	....	H. A. Darnall
Cairo	Ritchie	680	30	60.8	−2.5	90	28	29	4	49	4.18	+0.66	0.68	0	16	11	10	10	....	Eureka Pipe Line Co.
Cheat Bridge	Randolph	3,558	5	....	....	....	....	....	....	.	7.17	....	1.40	T.	17	....	....	....	....	Miss Blanche Cromer
Clarksburg	Harrison	1,015	9	60.8	....	93	28	32	4	44	5.36	....	1.12	0	18	10	10	11	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	8	....	....	....	....	....	....	....	5.60	....	1.06	0	16	8	14	9	sw.	George W. Blair
Creston	Wirt	640	29	60.8	−2.4	91	30	32	4	46	3.05	−0.86	0.72	0	12	12	6	13	....	J. M. Reed
Dam 10 Mon. R.	Marion	826	10	....	....	....	....	....	....	....	7.38	....	1.41	0	16	....	....	....	....	Lockmaster
Dam 12 O. R.	Ohio	660	15	....	....	....	....	....	....	....	3.14	−0.20	0.91	0	14	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	15	....	....	....	....	....	....	....	3.30	−0.22	0.75	0	14	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	10	....	....	....	....	....	....	....	5.55		0.98	0	15	....	....	....	....	Lockmaster
Davis	Tucker	3,093	22	....	....	....	....	....	....	....	9.59	+4.90	1.95	0	19	....	....	....	....	Ross C. Male
Elizabeth (Dam 3 L. K)	Wirt††	615	19	....	....	....	....	....	....	....	4.39	+0.70	1.29	0	11	....	....	....	....	Lockmaster
Elkins	Randolph	1,947	30	58.0	−1.2	86	28	29	4	45	7.90	+3.85	1.52	0	19	4	9	18	w.	U. S. Weather Bureau
Fairmont	Marion	883	25	62.4	+0.5	96	28	32	4	47	5.57	+1.67	0.90	0	15	9	10	12	w.	J. C. Robinson
Glenville	Gilmer	738	37	63.6	0	94	28†	33	1†	49	4.43	+0.22	0.83	0	14	12	8	11	w.	Howard R. Brannon
Grafton	Taylor	1,000	38	61.0	−0.5	90	28	31	4	50	6.66	+2.64	1.07	0	16	11[a]	0[a]	19[a]	....	W. E. Clayton
Hornert††	Lewis	1,044	8	....	....	....	....	....	....	....	5.43	....	0.75	0	13	....	....	....	....	Foster R. Hardman
Horton	Randolph	2,840	6	....	....	....	....	....	....	....	5.38	....	0.87	T.	18	10	4	17	w.	J. W. White
Janelew (near)	Lewis	1,020	8	62.0	....	92	29	30	4	46	7.17	+2.88	1.85	0	14	11	10	10	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	33	59.6	−0.8	91	28	28	4	50	5.29	+1.24	0.93	0	16	13	8	10	w.	Allen Smith
Mannington	Marion	985	28	59.3	−1.1	86	18†	29	1†	45	5.71	+1.66	1.23	0	19	8	10	13	sw.	Jas. A. Morgan
New Cumberland	Hancock	671	33	[a]59.4	−0.6	92[a]	28	28	1	46[a]	3.71	+0.30	0.81	0	15	10	8	13	s.	C. H. Hesse
New Martinsville	Wetzel	634	37	60.8	−2.2	92	28†	32	1†	47	4.30	−0.44	0.95	0	14	11	8	12	s.	Wm. Ankrom
Parkersburg	Wood	638	44	62.1	−1.7	92	28	38	4	38	4.82	+1.44	0.94	0	17	9	7	15	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	31	59.9	+1.2	93	28	28	1	48	6.95	+3.05	....	0	16	11[a]	15[a]	4[a]	....	J. W. Swisher
Parsons No. 2	Tucker	1,649	5	....	....	....	....	....	....	....	7.00	+3.10	1.01	0	19	12	14	5	....	Robert T. Deem
Philippi	Barbour	1,550	34	....	....	....	....	....	....	....	6.65	+2.37	1.20	0	16	....	....	....	....	Prof. W. W. Thomson
Pickens	Randolph	2,697	28	57.8	−0.3	88	28	30	4†	41	8.70	+3.22	1.24	T.	16	17[a]	4[a]	9[a]	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	8	....	....	....	....	....	....	....	4.76	....	0.92	0	17	13	6	12	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	....	....	....	....	....	....	....	6.16	+1.67	1.13	0	13	....	....	....	....	Walter H. Bolyard
Saint Marys	Pleasants	577	22	....	....	....	....	....	....	....	3.98	+0.12	0.72	0	17	....	....	....	....	Wm. Hughes
Terra Alta	Preston	2,559	30	[a]55.2	−2.3	85[a]	27	26	1†	41[a]	7.70	+3.21	1.35	T.	20	3	14	14	nw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	2	....	....	....	....	....	....	....	6.58	....	1.21	0	17	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	8	62.0	....	88	18†	32	4	40	5.65	....	1.25	0	14	10	12	9	w.	J. C. Campbell
Vandalia	Lewis	1,120	8	....	....	....	....	....	....	....	5.21	....	0.91	0	15	....	....	....	....	James B. Kelley
Wellsburg	Brooke	668	24	59.6	−0.5	90	28†	26	1	48	5.40	+1.87	1.30	0	15	15	6	10	....	George P. Pfister
West Milford	Harrison	979	6	....	....	....	....	....	....	....	6.69	....	1.12	0	14	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	36	60.6	−2.1	93	29	32	1	45	6.21	+1.90	1.80	0	16	7	17	7	....	Weston State Hospital
Wheeling	Ohio	645	44	61.0	−0.8	95	28	30	1†	55	3.25	−0.28	0.98	0	14	9	15	7	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	4	....	....	....	....	....	....	....	3.80	....	1.05	0	15	13	8	10	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	5	....	....	....	....	....	....	....	4.21	....	1.16	T.	17	11	10	10	w.	H. S. Sutton
Bancroft	Putnam	574	27	62.0	−0.9	90	28†	35	4	42	3.06	−1.08	0.61	0	12	18	0	13	ne.	R. E. Dent
Beckley	Raleigh	2,440	28	60.3	+0.5	87	29†	34	4	41	4.30	+0.88	0.76	T.	17	10	9	12	sw.	L. A. Mauck
Bluefield[f]	Mercer	2,558	36	59.4	−2.5	86	29	36	25	34	5.63	+1.99	0.97	0	18	12	3	10	....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	16	....	....	....	....	....	....	....	7.97	+2.77	2.10	0	8	....	....	....	....	Miss Katie Jarvis
Charleston	Kanawha	600	28	63.4	−2.1	96	28†	36	24	46	3.10	−0.92	0.56	0	13	17	0	14	....	R. O. Fields
Clay	Clay	706	15	....	....	....	....	....	....	....	5.54	+1.43	1.33	0	16	....	....	....	....	Chilton Wilson
Dam 6 G. K	Kanawha	598	5	....	....	....	....	....	....	....	2.78	....	0.65	0	11	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	15	....	....	....	....	....	....	....	3.83	−0.50	0.60	0	17	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	15	....	....	....	....	....	....	....	4.30	+0.48	0.70	0	18	....	....	....	....	Lockmaster
Dam 25 O. R.	Mason	565	4	....	....	....	....	....	....	....	3.10	....	0.75	0	13	....	....	....	....	Lockmaster
Dam 26 O. R††	Mason	564	15	....	....	....	....	....	....	....	2.99	....	0.83	0	15	....	....	....	....	U. S. Engineers Office
Gary	McDowell	1,426	15	[c]60.7	−0.3	88[c]	30	35	24	41[d]	3.45	−0.73	0.44	0	21	....	....	....	....	U S. Coal & Coke Co.
Hinton	Summers	1,431	34	62.4	+1.0	93	28	37	4	45	4.61	+0.84	1.45	0	13	19	4	8	....	Mrs. M. L. McClung
Huntington	Cabell	538	34	65.0	+0.3	94	29	38	4	40	4.20	+0.19	0.68	0	15	6	11	14	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	12	....	....	....	....	....	....	....	3.31	−0.97	0.70	0	14	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	15	....	....	....	....	....	....	....	4.75	−0.18	1.06	0	13	....	....	....	....	Cabin Creek. Con Coal Co
Kermit	Mingo	579	5	....	....	....	....	....	....	....	3.67	....	0.68	0	14	....	....	....	....	E. B. Kirk
Kingston	Fayette	1,481	1	....	....	....	....	....	....	....	5.51	....	1.07	0	12	13	0	18	....	Claud J Wriston
Lewisburg	Greenbrier	2,250	31	60.8	....	87	29†	34	1	38	3.72	+0.46	1.97	0	5	....	....	....	....	Geo. T. Argabrite
Logan	Logan	700	28	....	....	....	....	....	....	....	2.97	−1.19	0.68	0	10	....	....	....	....	J. R. Wampler
Marlinton	Pocahontas	2,131	32	55.5	−1.6	84	29	28	4	42	6.06	+2.02	1.78	0	14	5	19	7	sw.	S. L. Brown
Point Pleasant	Mason	595	38	62.2	−2.6	94	28	32	24	44	3.03	−0.92	0.64	0	14	14	6	11	w.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	1	57.0	....	86	28†	30	4	44	6.08	....	1.85	T.	18	15	5	11	....	H. M. Word, Jr.
Ravenswood (Dam 22)	Jackson	584	8	62.7	....	92	30	33	4†	44	2.80	....	0.55	0	15	6	0	25	nw.	Lockmaster
Richwood	Nicholas	2,193	1	[a]58.1	....	87[a]	27	34	3†	43[a]	5.96	....	1.09	T.	15	12	9	10	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	31	60.4	−2.9	91	18	34	4†	45	2.68	−0.92	0.63	0	13	17	0	14	....	M. Frazier
Ryan	Roane	700	28	57.5	−3.9	86	28†	29	24	45	4.46	+0.76	0.92	0	14	13	6	12	....	Wm E. Ryan
Sharples	Logan	889	11	....	....	....	....	....	....	....	3.84	−0.38	0.89	0	6	....	....	....	....	R. W. Howard
Spencer	Roane	789	27	61.9	−2.3	92	29	33	4	47	3.53	−0.17	0.54	0	14	9	10	12	....	A. M. McKown
Sutton	Braxton	850	25	62.3	−1.0	91	19†	33	24	43	6.05	+1.56	0.95	0	16	15	0	16	....	C. B. Eakle
Union[c]††	Monroe	2,250	27	60.2	−0.7	90	29	36	4†	39	4.54	+1.57	1.35	0	9	8	9	9	....	W. M. H. Young
Wayne	Wayne	598	4	....	....	....	....	....	....	....	3.03	....	0.51	0	15	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	21	59.1	−1.6	90[a]	28†	31	3	42[a]	5.35	+1.48	1.00	0	12	21	1	9	....	A. P. Spence
Williamson	Mingo	673	31	64.9	−0.1	98	29	38	24	45	3.49	−0.32	0.56	0	15	12	5	14	se.	J. E. Dotson
State averages and	extremes	....	....	60.6	−1.0	98	29	23	1†	55	5.09	+1.04	2.10	T.	15	12	8	11	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for May, 1931

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard||||	Potomac		.08	.58					1.05			.21	.15	1.10	.13			.10		.02	.23	.84	.55	.11	T	.15					1.34	.10	6.74
Brandywine	do							.30	.85				.10	.40	.25			T.	T.		.10	.40	.60			.25						.30	3.55
Harpers Ferry ||||	do		.02	.12				.07	.51				T.	.39	.25	T.	T.	T.				.40	.96				.09						2.81
Kearneysville	do		.03	.16				.12	.80			.05	.09	.59	.20							.46		1.00		.48					1.15	.38	5.51
Martinsburg ||||	do		.08	.15				.15	1.05			T	T	.45	.40	.05		T.				.50		.85		.05	.15					1.20	5.08
Moorefield	do			.16					.60				.97		.21			.12				.72		.53		.35					.20	.02	[illegible]
Piedmont	do		.22					.61	.54		.15	.03	1.16	1.37	.11					.95	.81	.10	.54	.01		.10					1.03		7.73
Romney||||	do		.05	.12				.05	.52				1.38	.77			.05			.80	1.12		.98		.05	.13						.13	6.15
Stony River Dam	do		.02	.42				.05	1.02			.02		.50	.51	.10		.10			.39	.95		.97		.17	.56					.95	6.73
Upper Tract	do		T.						.60												T.	.65	.60									.50	+++
Wardensville||||	do		.03	T.				.02	.91	.01	T.			.40	.15	.10	.09					.59	.01	.95	T.	.05	.12					.24	3.67
Northern Division																																	
Aberdeen	Monongahela		T.	.46				.34	.53		.03		.14	.83	.26	.01		.13	T.	T.	T.	.60	.60	.11		1.17						.53	5.74
Alma (near)	Ohio		.37	.02			.20	.33	.29	.01	.15	.04	.16	.82	.09			.22		.07	.35		.61	.08		.52	.03					.22	4.58
Alpena	Monongahela		.12				T.	1.21				.25	.16	.38	.32				T.	.16	.95	.20	.67	.33		.36					.83	.34	6.28
Benson	do		.15	.40				.23	.53		.40	.04	.02	.25	.30			.18	.02		.19	.67	.70	.06		1.02						.50	5.66
Bens Run	do		.34					.33	.16		.15	.09	.10	.50	.10			.07		.78	.15	.33	.18			.76	.11					.16	4.31
Brownsville	do	T.		.50					.60		.10	.08	.18	.10	.52			.26	.02		1.50		.46	.09		.70						.50	5.61
Bruceton Mills	do		.40				T	1.30		.40		T.	.48	1.25	.40	T.	.10	T.			.88	T.	1.25	.42		.23						.33	7.44
Buckhannon	do			.59				.30	.60	T.	.20	.48	.06	.35	.30				.20	.10	.15	.27	.87	.12		.76						.48	5.83
Cairo	Little Kanawha			.28				.14	.30	.03	.07		.39	.39	.40			.49			.26	.19	.37	.11		.41	.17					.18	4.18
Cheat Bridge||||	Monongahela		.06	.46				.06	.73		.27	.11	.33	.15	1.13	.11		.13		.24		1.00		1.40	.10	.40	.05					.44	7.17
Clarksburg||||	Little Kanawha		.08	.11				.08	.56		.61	.02	.04	.50	.47	.02		.08		.17		1.12		.62	.02	.26	.33					.27	5.36
Crawford||||	do		.04	.31				.76	.28		.18	.09	.23	.13	.22			.38			.41	.29	.90	.12	.20							1.06	5.60
Creston||||	Monongahela		.12	.26				.22	.42		.16		.05	.15	.72			.21				.41		.26		.07							3.05
Dam 10, Mon. R.||||	Ohio			.36				.22	1.41		1.37		.13	.33	1.11			.04		.08	.03	.53		.92	.04	.19	.08					.54	7.38
Dam 12, O. R.||||	do			.11				.03	.91		.05		.11	.67	.08			.03		.30		.08		.51	.03	.21						.02	3.14
Dam 13, O. R.||||	Monongahela							.05	.75		.06	.02	.16	.25	.71			.06		.45	.08			.48	.03	.18						.02	3.30
Dam 15, Mon. R.||||	do			.38				.12	.68		.42		.07	.31	.98			.10		.14		.63		.91	.03	.21	.06					.51	5.55
Davis ||||	do		.14	.53					.99		.01	.07	.14	1.00	.44	.22		1.95		.18	.02	1.44	.01	1.05	.17	.25	.78					.20	9.59
Elizabeth(D'm 3 LK)	Little Kanawha			.20	.32				.40				.15	.47	.82			.20				.58		.43			.51					.51	4.39
Elkins***	Monongahela		.47				T.	.91	.01	T.	.04	.28	.28	.61	.52			.12	.68	.36	1.40	.12	.89	.24	.14	.30					.45	.08	7.90
Fairmont||||	do			.21				.16	.73		.49	T.	.10	.22	.88			.17		.27		.56		.90	.03	.18	.16					.51	5.57
Glenville ||||	Little Kanawha		.12	.43				.24	.57		.22	.10	.18	.12	.36			.83				.54		.42	.06		.24						4.43
Grafton ||||	Monongahela			.42				.13	.75	T.	.26	.05	.17	.90	.08			.11	.30		.92	.28	1.07	.12		.50						.60	6.66
Horner	do		.10	.60				.73	.10		.10	.10				.75					.45	.55		.70		.25	.20					.50	5.43
Horton	do		.04	.18				.30	.40		.08	.22	.19	.43	.28			.09	.04		.62	.47	.87	.31		.48					.13	.25	5.38
Janelew (near)	do			.30				.22	.50		.15	.15	.10	.55	.25		.15			.10		1.85	.60			1.15						1.10	7.17
Lost Creek	do		.04	.37				.35	.38	T.	.27	.05	.04	.26	.15			.07	T.		.58	.20	.70	.04		.93						.86	5.29
Mannington	do		.20	.16				.32	.27	.01	1.23	.15	.20	.96	.07			.10		.03	.66	.08	.68	.10		.21	.04					.24	5.71
Morgantown	do			.40			T.	.50	.97	1.60	1.60	.14	.20	1.25	.50					.40	.20		.80	.20		.14						.50	7.35
New Cumberland||||	Ohio			.13				.06	.75		.06	.03	.14	.70	.32			.12		.30		.10		.30	.05	.30						.35	3.71
New Martinsville	do		.35					.40	.25		.20		.10	.75	.10			.10		.95	.10		.60	.10		.20						.10	4.30
Parkersburg***	do	T.	.54				.07	.44		.32	.05	.05	.73	.34				.10	.83	.02	.05		.26	T.	.06	.57				T.	.37	.02	4.82
Parsons	Monongahela		.33				*	1.07			*	*	1.35					.20	.20	.19	*	*	*	*	*	3.01						.60	6.95
Parsons No. 2	do		.05	.47				.20	.80	T.	.02	.24	.13	.77	.18	T.		.20	.11	.12	.15	.86	.75	.49		.96					.39	.11	7.00
Philippi	do		.32	.60					1.05		.50	.05	.10	.05	.45	.05				.28		.54		1.20	.05	.41	.50					.50	6.65
Pickens	do		.17	.70				.62	.10			.45	1.22	.45			.50	.10	.77		.98		1.24	.46		.32					.25	.37	8.70
Roanoke	do			.48				.01	.60	.05	.03	.09	.11	.12	.23			.56			.10	.82	.42	.28	.06	.40						.40	4.76
Rowlesburg||||	do		.04	.40					1.13		.29	.06		.48	.97					.04		.96		.79	.28	.26	.13					.33	6.16
Saint Marys||||	Ohio		.10	.29				.18	.30	T.	.06	.02	.13	.16	.72			.02		.38	.01	.14		.42		.20	.60					.25	3.98
Terra Alta	Monongahela		.20	.38			.01	1.31	T.	.48	.04	.07	.50	1.24	.01		.07	.01		.04	1.35		.83	.32	.22	.18					.37	.07	7.70
Thomas ||||	do			.54				.04	.85				.10	.70	.55	.16		.15		.05	.03	1.21	.02	.96	.22	.25	.55					.20	6.58
Valley Chapel	do		.15	.30					.94		.40	T.	.12	.15	.26			.20			.67	.29	.54	.07	T.	1.25						.31	5.65
Vandalia	do			.45				.56	.39		.19	.10	.08	.14	.25			.27			.40	.33	.91	.10		.39						.65	5.21
Wellsburg	Ohio		.25					T.	.87		.19	.32	.26	1.30	.10			.24		.52	T.	.10	.11	.26		.40	.20					.28	5.40
West Milford	Monongahela		.13	.39				.10	.60		.53	.60		.43	.18			.10				1.12	.70	.10			1.00					.71	6.69
Weston	do		.10	.30				.04	.68			.05	.20	.06	.42	.08		.42				1.80		.75	.05	.35	.60					.31	6.21
Wheeling||||	Ohio			.07				.03	.98		.05		.15	.25	.53			.04		.35		.05		.50	.03	.20						.02	3.25
Woodlands||||	do		.04	.15				.11	1.05				.10	.04	.69			.05		.57		.11		.65	.03	.15	.02					.04	3.80
Southern Division																																	
Arbovale	Great Kanawha			.20			.01	1.15	.02		.03	.22	.03	.13	.15			.10	.22		.76	.19	.76	.04		.12						.08	4.21
Bancroft ||||	do	.05		.03				.05	.61		.42		.32	.35	.05			.36				.52		.20		.10							3.06
Beckley	do	.02	T.	.03			.28	.42		.02	.10	.13	.32	.59	.23			.11	T.			.07	.48	.18		.46					.76	.10	4.30
Bluefield	do	.11	.02		.02		.13	.82		.05		.15	.21	.24	.19				.16		.60	.38	.97	.11		.49	.08					.90	5.63
Camden-on-Gauley||||	do								1.05				.46	.86	1.02					2.10				1.00		.55						.93	7.97
Charleston ||||	do		.16	.14				.16	.32		.04	.06	.22	.42	.34			.22				.56		.30		.16							3.10
Clay||||	do		.16	.04				.38	.68	T.	.76	.09	.49	.27	.49	.01		.07		T.		1.33		.54		.19	.01					.03	5.54
Dam 6 G. K ||||	do		.10	.15				.18	.38		.20	.05		.60	.13							.65		.24		.10							2.78
Dam 19 O. R. ||||	Ohio		.09	.10				.20	.60	T.	.44	.05	.30	.31	.03					.49	.01	.01		.27		.13	.57				.09	.14	3.83
Dam 20 O. R. ||||	do		.06	.22				.24	.70	.02	.38	.07	.23	.36	.04			.14		.70	.01	.04		.28		.10	.52					.19	4.30
Dam 25 O. R. ||||	do			.32				.17	.60	T.	.25	.02	.19	.75	.07			.11						.23		.12	.06				.21		3.10
Dam 26 O. R. ||||	do		.10	.21				.12	.42	.03	.30	.02	.07	.83	.06			.18				.02		.24		.09						.30	2.99
Gary ||||	Big Sandy		.13	.02				.26	.35		.32	.02	.09	.21	.36	.01		.39	.04	.01		.40	.01	.44	.01	.05	.32					.01	3.45
Hinton||||	do		.08	.04				.03	1.45		.02		.07	.23	.37	.06			T.			.98		.71		.16	.41						4.61
Huntington ||||	Ohio		.05	.12			.28	.68		.33	.05	.03	.21	.50				.57		T.	.48		.30	.01		.24						.35	4.20
Kanawha Falls||||	Great Kanawha		.05	.06				.42	.45		.05	.02	.23	.20	.70			.35			.04	.45				.25	.04						3.31
Kayford||||	do		T.	.23				.45	.57		.03	T.	.08	.32	1.06	.06		.21				.99		.41	.02	.27	T.					.04	4.75
Kermit||||	Big Sandy	.02					.20	.48	.04	.10		.40	.40	.35				.14			.68		.28		.10	.38						.10	3.67
Kingston	Great Kanawha			.17			.28	.25				.62	1.00	1.07	.30			.21			.46	.21	.30			.64							5.51
Lewisburg	do	.02				T.						.01										1.97		1.19		.53	T.						3.72
Logan||||	Guyandotte							T.	.68		.05		.05	.65	.40			.15				.40		.32		.05	.22						2.97
Marlinton	Great Kanawha	.12		.08			T.	1.64	.14		.16	.42	.22	.38	.08			T.	.20		.70	.12	1.56	T.		.24							6.06
Point Pleasant||||	Ohio		T.	.02				.19	.59	.05	.32	.05	.07	.64	.14			.20			T.	.02		.27		.12						.35	3.03
Rainelle	Meadow Creek	.03	.01	.13			T.	1.04		.03		.25	.30	.29	.31			.04	T.		1.85	.11	1.14	.15	.01	.25	.08					.06	6.08
Ravenswood(Dam 22	Ohio			.30				.17	.55	T	.22	.03	.07	.39	.05			.05		.23		.10		.22		.05	.06					.31	2.80
Richwood	Great Kanawha	T.	.25				T.	1.08		.18	T.	.27	.15	.68	.20		.10		.11		.99		1.09	T		.27	.02				.20	.37	5.96
Robertsburg||||	do		.07	.19					.63	.03	.26		.12	.57	.01			.14				.22		.27		.13						.04	2.68
Ryan	do			.46			.14	.58	.02		.30	.28	.51	.63	.12						.92	.08	.23	.04		.15							4.46
Sharples||||	Coal River							.82				T.		.89	.51			.32				.82				.48							3.84
Spencer ||||	Great Kanawha		.07	.30				.25	.38		.54		.14	.20	.50	.03		.21				.51		.28	T.	.07	.05						3.53
Sutton	Gauley		.10	.45				.65	.65		.10	.30	.15	.20	.55			.10			.35	.85	.35	.20		.10						.95	6.05
Union	do	T.						T.	.88	T.		.22	.45	.26	.11				.09			1.35		.59		.59							4.54
Wayne ||||	Big Sandy		.06	.07				.18	.41	.22	.10	.03	.27	.51	.20			.28				.21		.33		.04						.12	3.03
White Sulpr. Spgs.||||	Great Kanawha	.10					.05	1.00	.05			.35	.70	.40	.10						.95		.85			.30					.50		5.35
Williamson||||	Big Sandy	T.	.14					.08	.52	.02	.08	.01	.06	.37	.56			.36		T.	T.	.52		.37		.01	.38					.01	3.49

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.
*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for May, 1931

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	•31	Mean
Panhandle Division																																	
Bayard	Maximum	64	68	67	70	73	75	73	63	77	69	63	61	49	61	70	76	75	82	80	77	67	65	52	60	63	73	80	86	85	85	68	70.2
	Minimum	23	41	38	23	28	34	44	43	33	43	39	37	40	43	43	51	55	44	51	58	48	31	35	34	42	53	33	40	45	48	53	41.1
Brandywine	Maximum	60	70	67	68	70	68	72	70	72	73	70	60	60	55	75	78	77	72	80	78	70	70	60	60	75	75	76	87	90	86	80	71.7
	Minimum	28	42	40	27	31	42	44	46	38	48	45	42	45	45	35	55	53	55	60	54	56	45	40	35	48	48	47	48	50	54	49	45.0
Kearneysville	Maximum	69	65	65	69	73	72	74	71	76	79	74	67	72	72	80	83	83	77	81	82	76	72	67	67	75	78	79	87	90	93	90	76.2
	Minimum	37	43	45	35	36	44	58	56	48	59	53	47	49	49	47	65	61	53	60	63	58	50	48	41	51	58	49	49	57	60	60	51.3
Martinsburg‖	Maximum	68	63	65	72	77	76	76	74	80	80	74	60	54	68	82	87	80	80	82	86	78	72	56	71	76	83	83	90	92	93	..	75.9
	Minimum	37	37	42	35	35	42	51	55	48	57	55	48	49	49	49	60	53	54	54	60	58	52	48	41	50	54	48	48	57	60	63	50.0
Moorfield	Maximum	76	79	70	76	81	81	81	74	83	83	76	57	73	70	80	87	83	82	85	86	78	79	64	65	78	82	88	94	96	96	84	79.6
	Minimum	31	45	45	31	35	42	53	54	45	53	44	47	44	48	41	55	59	58	59	61	56	43	45	42	48	52	44	50	53	57	60	48.5
Piedmont	Maximum	67	72	57	71	76	77	76	66	79	71	68	66	52	66	75	80	76	76	79	77	70	65	52	63	64	75	77	83	86	83	74	71.6
	Minimum	32	46	45	31	36	40	59	52	42	53	49	46	49	48	42	60	59	56	56	55	55	42	43	40	47	45	43	48	45	56	60	47.7
Romney‖	Maximum	69	74	63	75	80	80	79	82	82	72	68	53	71	81	87	77	82	85	84	76	73	53	68	74	82	..	81	92	93	96	..	77.1
	Minimum	30	37	46	30	34	39	47	52	42	50	43	47	48	43	50	63	57	58	56	56	42	44	41	44	54	43	..	47	54	57	60	47.1
Upper Tract	Maximum	60	74	74	75	77	78	75	73	80	79	68	65	65	65	75	83	83	81	79	79	75	73	70	65	70	..	..	..	85	88	82	74.9
	Minimum	28	47	29	28	35	44	48	42	43	41	45	42	43	45	37	57	58	57	56	57	54	53	42	38	44	..	..	..	42	50	50	44.8
Wardensville	Maximum	65	71	62	71	76	74	78	71	78	74	70	65	58	68	78	87	84	75	85	80	73	69	55	69	76	80	81	89	93	91	..	74.9
	Minimum	28	49	47	29	31	37	57	51	42	48	42	41	48	47	38	58	50	53	66	64	57	41	45	41	48	50	43	45	51	55	58	47.1
Northern Division																																	
Alpena	Maximum	64	63	70	72	74	78	62	74	73	70	67	44	50	53	60	74	74	81	82	71	67	65	47	56	62	70	79	84	81	82	65	68.2
	Minimum	24	44	24	29	44	48	41	36	41	38	39	37	42	41	40	53	54	44	51	48	47	32	33	33	39	52	35	43	45	43	53	41.1
Bens Run	Maximum	69	73	64	79	82	80	69	60	75	70	68	61	61	72	79	85	76	80	86	78	75	64	59	68	68	78	91	91	93	92	81	75.2
	Minimum	37	49	46	58	44	69	55	55	60	50	50	52	51	49	65	68	60	63	67	61	50	53	42	36	55	55	46	54	56	61	61	54.1
Buckhannon	Maximum	63	69	75	71	76	78	73	65	75	68	62	61	55	63	71	72	76	83	80	77	66	61	56	60	66	72	71	82	88	89	70	70.9
	Minimum	36	43	45	33	41	50	53	41	46	50	48	46	48	48	40	48	58	53	64	66	57	42	42	35	48	48	45	50	58	59	58	48.4
Cairo	Maximum	64	72	72	78	82	82	80	65	73	70	68	60	62	70	78	81	81	88	87	79	69	67	54	66	69	78	87	90	89	87	85	75.3
	Minimum	31	45	35	29	39	47	54	45	48	46	47	46	47	49	37	43	57	51	61	56	49	40	43	31	49	52	42	49	53	58	59	46.4
Clarksburg ‖	Maximum	69	71	58	76	83	83	75	66	79	69	69	68	54	66	76	80	79	90	87	80	72	67	48	64	68	76	88	93	92	90	71	74.4
	Minimum	35	42	39	32	39	50	53	45	43	47	46	47	47	47	38	48	57	49	60	63	53	41	41	33	45	53	44	50	54	59	60	47.1
Creston	Maximum	60	72	62	78	81	72	63	66	71	70	68	61	55	70	76	81	80	89	85	82	71	70	55	66	70	80	88	90	90	91	87	74.2
	Minimum	34	47	36	32	40	45	53	45	44	45	46	47	48	53	39	49	56	58	63	60	50	44	43	33	49	52	43	50	54	58	58	47.5
Elkins	Maximum	66	68	53	74	77	78	76	63	76	68	61	60	50	61	71	78	77	83	83	75	67	70	44	59	66	72	84	86	85	85	68	70.5
	Minimum	30	48	36	29	38	53	49	43	40	51	45	41	46	44	37	56	57	52	62	56	45	40	37	35	45	48	41	49	52	54	53	45.5
Fairmont‖	Maximum	74	76	63	85	86	85	80	67	80	72	68	64	55	67	78	85	74	89	87	83	79	70	48	66	65	81	91	96	95	91	68	76.4
	Minimum	34	50	41	32	44	54	55	45	45	49	49	47	49	48	42	51	60	49	49	61	54	44	41	33	48	54	44	53	56	61	60	48.5
Glenville	Maximum	62	74	72	82	84	85	74	70	79	75	70	65	65	71	78	84	83	91	88	85	74	73	66	66	76	80	90	94	94	93	89	78.5
	Minimum	33	51	39	33	42	49	55	46	46	48	44	49	46	49	41	45	55	54	64	60	54	43	44	34	56	54	46	53	55	60	60	48.6
Grafton	Maximum	70	69	69	81	82	84	78	66	68	65	65	62	55	66	75	81	78	87	83	82	70	70	53	65	64	76	87	90	89	88	70	73.9
	Minimum	34	48	44	31	40	40	54	45	44	53	45	46	47	49	61	41	57	52	59	58	54	41	41	32	49	55	44	50	54	60	65	48.2
Lost Creek	Maximum	65	70	69	78	78	77	75	61	75	74	65	60	59	65	74	78	78	87	87	82	69	68	52	63	63	76	80	91	90	89	81	73.5
	Minimum	31	47	38	28	38	40	50	45	41	43	45	47	45	42	38	53	57	49	60	64	53	40	40	30	48	52	42	49	53	52	58	45.7
Mannington	Maximum	69	72	57	74	79	80	75	62	75	71	66	61	56	67	76	79	76	86	82	79	68	66	52	63	65	74	81	86	86	85	80	72.5
	Minimum	29	49	37	29	38	46	52	46	43	46	47	45	47	48	38	45	57	46	59	55	52	40	41	33	48	53	42	49	53	57	60	46.1
New Cumberland‖	Maximum	69	70	57	69	82	82	73	64	72	69	64	63	61	69	78	82	72	89	83	77	69	61	50	65	72	75	82	92	90	87	..	72.9
	Minimum	28	33	40	32	35	46	54	47	48	50	45	45	50	47	41	54	54	43	48	60	48	44	41	34	45	46	43	49	55	59	56	45.8
New Martinsville	Maximum	72	73	62	79	84	83	71	65	73	70	65	61	58	70	78	82	80	91	85	80	70	67	53	66	67	76	88	92	92	89	85	75.1
	Minimum	32	48	37	32	39	48	53	44	45	47	47	44	48	46	39	47	57	47	59	58	48	41	40	32	48	53	43	50	54	60	58	46.6
Parkersburg	Maximum	61	72	55	76	80	78	61	62	70	65	64	62	62	68	78	83	75	88	85	77	70	62	51	66	69	75	87	92	90	86	65	72.1
	Minimum	40	50	43	38	53	59	48	46	52	51	52	49	49	50	46	62	61	55	65	62	50	48	43	39	53	55	53	60	62	64	56	52.1
Parsons	Maximum	67	71	64	75	79	77	77	70	80	73	65	66	51	64	75	80	89	90	87	78	72	70	45	64	67	78	86	93	89	91	90	74.7
	Minimum	28	47	38	30	38	48	48	45	40	50	45	42	46	46	37	45	55	50	55	60	48	45	39	35	45	50	41	47	50	54	52	45.1
Pickens	Maximum	60	64	57	74	77	73	72	62	74	69	59	55	57	70	77	75	76	82	80	74	66	67	48	59	65	74	84	88	86	87	66	70.2
	Minimum	35	42	40	30	38	45	51	41	45	43	40	40	42	36	46	56	54	53	62	58	43	37	34	30	45	52	54	49	53	60	55	45.5
Terra Alta	Maximum	61	50	67	71	72	76	59	72	66	61	57	46	60	70	74	82	71	80	73	65	61	41	58	61	71	77	85	82	84	65	..	67.2
	Minimum	26	36	26	35	41	51	41	37	46	42	39	41	42	44	50	55	54	50	58	47	36	35	33	39	54	39	45	49	51	56	45	43.3
Wellsburg	Maximum	69	72	60	75	83	83	76	68	76	70	65	66	61	70	79	82	75	89	85	78	69	66	51	64	70	77	87	90	90	87	83	74.6
	Minimum	26	39	39	27	35	44	54	46	43	46	43	43	49	45	38	45	56	43	60	51	47	39	41	31	48	49	39	46	52	57	56	44.6
Weston	Maximum	65	68	50	75	81	79	65	60	70	69	68	65	62	65	75	78	79	88	82	75	72	68	52	65	66	75	85	90	93	90	75	72.6
	Minimum	32	50	44	34	41	51	54	45	45	50	45	48	47	48	40	50	56	55	64	62	55	45	44	34	45	55	45	45	52	60	62	48.5
Wheeling‖	Maximum	73	60	75	79	85	88	78	72	71	70	66	67	63	72	85	86	70	94	86	81	74	68	70	68	70	90	82	95	94	90	65	76.9
	Minimum	31	44	38	30	36	46	52	42	45	43	41	42	45	43	53	50	56	43	59	55	46	39	39	30	46	46	47	40	50	57	56	45.1
Southern Division																																	
Beckley	Maximum	64	69	66	75	74	73	70	69	70	68	64	61	60	61	71	72	78	85	82	80	78	75	73	71	69	77	81	86	87	87	85	73.6
	Minimum	45	48	41	34	45	48	49	42	43	46	42	44	43	45	45	47	50	54	62	60	48	41	37	35	47	53	45	54	52	54	57	47.0
Bluefield	Maximum	65	61	..	74	74	72	67	69	69	..	70	57	53	60	72	75	..	82	80	78	68	72	55	..	70	78	79	83	86	..	..	70.8
	Minimum	48	48	..	41	48	51	49	43	49	..	42	45	44	45	41	48	..	53	62	61	50	44	38	..	36	52	49	58	55	..	..	48.1
Charleston ‖	Maximum	76	76	72	84	80	81	64	64	72	74	72	60	66	70	80	80	82	95	91	80	76	70	62	72	72	82	90	96	96	96	84	78.0
	Minimum	38	38	42	38	38	51	55	44	48	48	46	48	48	48	42	46	52	58	62	61	52	46	46	36	48	54	48	52	58	60	60	48.7
Gary ‖	Maximum	59	71	67	78	77	79	72	70	72	69	68	69	52	64	73	80	75	87	84	80	68	80	53	..	..	..	83	86	87	88	74	73.8
	Minimum	41	49	49	37	43	46	50	46	40	44	46	48	47	49	41	41	45	56	56	57	54	47	43	35	45	52	50	51	54	56	59	47.6
Hinton ‖	Maximum	57	76	71	82	80	78	71	79	76	74	69	62	62	63	78	88	82	86	88	78	75	74	50	71	72	84	88	93	92	87	76	76.2
	Minimum	40	50	48	37	42	48	54	45	42	54	46	48	46	47	42	45	48	56	59	57	55	47	43	39	45	51	49	53	53	59	60	48.6
Huntington	Maximum	64	74	71	78	79	79	77	67	75	72	72	65	65	72	80	83	83	90	86	86	83	72	72	70	74	82	88	92	94	88	88	78.1
	Minimum	46	51	42	38	53	52	51	41	51	50	49	50	50	52	45	52	61	59	64	66	52	51	46	40	53	56	49	57	59	62	63	52.0
Lewisburg	Maximum	65	70	73	75	74	70	73	73	76	77	76	74	70	69	68	79	75	83	81	79	69	71	52	63	67	76	80	84	87	87	85	74.2
	Minimum	34	42	35	40	49	43	42	40	41	44	44	41	44	53	54	62	52	66	59	55	53	43	41	38	43	52	49	49	52	54	56	47.4
Marlinton	Maximum	56	66	64	70	74	70	68	64	70	74	76	61	66	58	68	76	74	78	80	70	68	58	46	60	64	76	76	82	84	82	74	69.5
	Minimum	36	44	36	28	32	44	46	42	34	44	38	40	42	42	40	40	46	46	52	52	48	36	38	30	40	44	40	44	41	48	52	41.5
Point Pleasant	Maximum	64	74	72	77	81	79	67	67	73	74	68	64	60	71	79	86	83	89	87	84	72	71	55	68	74	80	88	94	92	91	85	76.4
	Minimum	40	46	39	33	48	47	50	40	47	46	48	45	47	48	42	49	58	54	60	61	46	45	43	32	48	52	46	54	56	58	60	48.0
Rainelle	Maximum	55	69	62	74	74	73	69	69	73	68	66	57	59	61	72	78	76	84	82	74	68	67	51	63	68	77	81	86	86	85	75	71.0
	Minimum	48	46	43	30	39	45	47	42	35	43	38	41	43	44	34	35	48	49	56	58	49	37	33	36	38	48	39	45	45	48	55	43.1
Ravenswood	Maximum	64	71	72	77	81	80	65	64	71	71	67	66	65	70	76	81	82	87	86	82	72	72	73	67	71	78	87	91	90	92	87	76.1
	Minimum	41	37	41	33	50	50	46	45	49	49	51	46	49	51	41	49	60	53	64	64	50	46	43	33	54	52	46	56	57	60	61	49.3
Richwood	Maximum	68	60	77	77	75	70	69	71	69	60	58	54	60	71	72	79	80	83	75	67	67	45	62	66	76	83	87	86	83	69	..	70.6
	Minimum	46	40	34	44	53	50	43	42	46	44	43	44	45	36	40	48	50	60	63	50	38	38	34	36	52	44	48	51	53	50	49	45.6
Robertsburg‖	Maximum	57	74	59	77	76	77	65	70	72	65	65	63	60	66	77	75	82	91	85	77	73	62	50	71	67	60	90	90	90	89	67	72.3
	Minimum	43	46	38	34	47	47	50	41	43	45	47	46	49	50	42	46	59	56	63	60	51	46	44	34	49	52	45	58	56	59	60	48.6
Ryan	Maximum	62	68	65	75	78	80	58	62	69	65	67	56	56	67	73	78	80	85	80	65	62	62	48	60	67	75	85	86	85	86	73	70.3
	Minimum	38	45	35	30	42	44	50	41	44	42	42	43	45	47	37	43	46	53	60	53	49	41	41	29	45	45	43	49	52	56	56	44.7
Spencer‖	Maximum	61	73	62	80	81	81	65	72	72	68	67	61	63	74	77	81	80	89	86	77	71	65	50	67	77	80	88	91	92	90	71	74.6
	Minimum	38	45	40	33	46	52	55	45	45	42	48	46	49	49	44	47	60	54	60	65	52	45	44	34	50	54	46	54	57	60	65	49.2
Sutton	Maximum	67	73	73	77	83	83	77	65	74	74	65	63	63	66	77	82	82	90	91	91	74	74	55	65	70	80	87	90	90	90	88	76.7
	Minimum	38	50	41	34	41	54	48	41	44	47	44	46	47	47	38	43	53	55	63	64	54	43	42	33	50	58	46	51	52	57	60	47.9
Union	Maximum	70	69	..	75	73	75	71	69	75		71	63	58	62	73	78	..	85	83	81	75	68	67	..	70	80	81	88	90	88	..	74.5
	Minimum	46	46	..	36	40	47	46	44	42	..	41	44	42	45	37	41	..	52	59	61	52	44	40	..	36	51	50	49	51	54	..	46.0
White Sulphur Spgs.	Maximum	72	70	73	70	70	68	70	72	55	66	67	62	61	73	78	77	80	82	79	72	70	50	67	72	81	80	86	90	90	77	..	72.9
	Minimum	46	45	31	37	45	47	45	47	32	38	42	44	47	35	40	52	50	58	58	52	40	40	37	41	51	46	46	49	52	56	54	45.3
Williamson‖	Maximum	67	78	72	87	80	75	59	76	74	71	71	62	58	72	82	88	88	94	89	80	78	68	56	74	75	87	92	97	98	93	74	77.9
	Minimum	50	52	46	42	46	50	56	46	47	49	48	50	50	50	45	48	54	61	61	63	56	47	47	38	49	56	54	57	65	62	63	51.9

‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.192	.077	.079	.090	.177	.165	.190	.017	.198	.224	.177	.126	.082	.006	.184	.185	.296	.188	.146	.222	.136	.232	.088	.052	.183	.040	.188	.201	.232	.222	.269	4.864
	Wind movement	46	20	63	42	38	21	59	54	22	28	55	40	25	41	37	89	106	48	28	50	57	41	103	72	84	23	46	18	28	11	31	1,426

(WBO, Cleveland, 6-23-31—900)

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

UNWE

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CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

HENRY C. HOWE, Meteorologist

VOL. XXXIX PARKERSBURG, W. VA., JUNE, 1931 No. 6

GENERAL SUMMARY

June averaged warm and dry. The temperature was generally considerably below the normal during the first decade, the lowest temperatures for the month being general on the 2d and 10th, when light frost occurred in sections of the northern mountain regions. No damage of consequence was reported. High temperature prevailed from the 20th to the close of the month, giving maximum temperatures above 90° on several days, and near 100° or slightly above during the period at many stations. The precipitation was well distributed throughout the month but the distribution over the State was unsatisfactory. Hail fell at many stations but damaging hail was reported at only a few stations. Moderately high wind occurred in many sections of the State on the 26th, but practically no damage resulted. Plant growth was rapid during the last two decades and all crops were in good condition at the close of the month, although the conditions were droughty during the last week.

TEMPERATURE

The monthly mean for the State, determined from 53 stations, was 69.8°. The departure from the normal for 42 stations having ten or more years of record was +1.0°. The month opened cool and decidedly cool weather also prevailed from the 8th to the 11th. On the 16th, 17th and 18th the temperature was slightly below the normal. Decidedly warm weather prevailed from the 20th to the close of the month.

PRECIPITATION

The average precipitation for the State, determined from 89 stations, was 3.24 inches. The departure from the normal for 61 stations having ten or more years of record was —1.38 inches. The precipitation was greatest over the northern counties and least over the eastern panhandle and the southern counties. Most of the precipitation was received from the 5th to the 8th, on the 14-15th, 21st, 23d and the 26-27th, the greatest amounts being measured on the 5th, 8th, 23d, and 27th.

LIGHT HAIL

Light hail fell in sections of the following counties on dates given: Tucker, 5th and 6th; Lewis, 6th and 14th; Greenbrier and Raleigh, 7th; Randolph, 13th; Brooke and Pleasants, 20th.

MODERATE HAIL

Moderate hail, doing but slight damage, fell in sections of Grant County on the 6th, Randolph County on the 14th, and Ohio County on the 26th.

HEAVY HAIL

Heavy hail fell in the vicinity of Junior, Barbour County, on the 14th. The storm moved south for about two miles, covering a territory about one-half mile in width. The stones were reported as about three-eighth of an inch in diameter. The damage caused to crops and roofs was estimated at about $7,000.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, 14th and 27th; Arbovale, 2d, 6th, and 28th; Bancroft, 2d, 13th, and 28th; Bens Run, 9th, 12th, and 30th; Elkins, 10th, 11th, 17th, and 28th; Fairmont, 2d; Marlinton, 2d, 3d, 10th, 11th, 13th, 17th, 19th, 20th, and 24th; Parkersburg, 15th and 30th; Terra Alta, 11th; Wellsburg, 2d, 12th, and 28th; Williamson, 17th.

Frost, light: Beckley, 2d and 10th; Pickens, 2d and 10th.

Thunderstorms (dates and number of stations reporting): 1st, 1; 4th, 8; 5th, 9; 6th, 11; 7th, 11; 8th, 3; 9th, 1; 12th; 3; 13th, 8; 14th, 19; 15th, 7; 16th, 1; 20th, 6; 21st, 7; 22d, 9; 23d, 12; 24th, 3; 26th, 15; 27th, 7.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement miles	Average hourly velocity	Max. velocity		
									Miles per hour	Direction	Date
Cincinnati, Ohio	30.03	77	54	62	326.9	73	3,027	4.2	26	nw.	7
Columbus, Ohio	30.01	73	52	55	323.6	72	5,097	7.1	43	w.	7
Elkins	30.04	87	57	69	262.8	59	2,452	3.4	31	nw.	26
Lexington, Ky	30.01	69	50	...	327.2	74	7,206	10.0	37	nw.	24
Parkersburg	30.03	75	53	62	273.6	61	2,536	3.5	30	n.	26
Pittsburgh, Pa	30.01	80	61	70	313.5	69	4,740	6.6	45	w.	20
Wytheville, Va	30.00	76	47	65	254.0	57	2,826	3.9	24	ne.	21

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	71.2	......	......	5.02	......	......	......				
1892	**74.1**	99	41	3.90	......	......	......	......	......	......	......
1893	70.2	99	40	3.81	6.41	1.83	......	10	13	10	7
1894	70.4	103	32	3.27	6.78	1.25	......	8	16	10	4
1895	72.1	102	38	2.92	5.66	1.20	......	7	15	10	5
1896	69.8	95	30	5.35	9.86	**0.11**	......	10	8	14	8
1897	69.3	96	35	4.31	6.77	1.31	......	10	12	12	6
1898	70.9	99	41	3.21	7.50	0.66	......	10	14	11	5
1899	72.0	98	35	4.99	8.93	1.46	......	11	14	9	7
1900	71.2	98	41	5.30	**15.62**	2.49	......	13	9	12	9
1901	70.7	104	32	5.67	11.10	1.37	......	13	12	12	6
1902	68.0	100	33	5.19	8.49	2.45	......	12	11	13	6
1903	65.1	93	34	4.80	12.30	2.01	......	13	8	11	11
1904	69.5	97	36	4.20	8.29	2.05	......	13	10	13	7
1905	70.6	100	34	4.38	7.72	1.47	......	11	13	11	6
1906	70.9	101	38	5.25	9.32	2.84	......	14	11	12	7
1907	65.3	97	33	6.00	11.95	1.93	......	14	10	11	9
1908	69.2	98	36	3.12	6.75	1.35	......	9	15	10	5
1909	71.1	101	35	5.73	9.19	2.47	......	16	9	13	8
1910	66.6	96	32	5.67	11.27	1.52	......	13	10	10	10
1911	70.7	101	40	4.44	9.34	1.88	......	11	14	10	6
1912	67.3	95	29	4.27	9.21	1.11	......	11	13	10	7
1913	69.5	99	29	3.44	6.55	0.86	......	9	18	8	4
1914	72.0	100	30	3.00	6.60	0.62	......	8	15	11	4
1915	67.7	95	33	3.63	7.09	1.21	......	9	15	8	7
1916	65.8	94	35	5.42	14.54	2.50	......	12	14	8	8
1917	67.7	99	31	3.81	6.58	1.38	......	12	14	9	7
1918	68.2	99	34	4.17	10.11	0.87	......	8	16	7	7
1919	73.0	100	40	5.06	10.15	1.67	......	10	16	8	6
1920	67.9	98	36	5.01	9.70	2.53	......	12	13	7	10
1921	72.4	101	38	4.01	8.67	0.47	......	9	15	9	6
1922	70.7	97	33	4.66	7.95	1.75	......	11	12	9	9
1923	70.2	102	35	4.54	10.37	1.25	......	11	16	7	7
1924	68.7	98	32	4.67	7.63	1.90	......	13	13	8	9
1925	72.2	**109**	35	3.51	8.06	1.05	......	9	16	8	6
1926	65.9	95	31	3.85	9.18	0.90	......	11	13	8	9
1927	65.7	99	29	4.08	9.93	2.10	......	11	12	8	10
1928	66.7	96	33	**7.37**	11.69	1.55	......	19	7	9	14
1929	68.2	100	28	3.50	8.92	1.56	......	8	16	9	5
1930	68.9	105	**27**	2.87	6.42	0.95	......	7	17	8	5
1931	69.8	105	33	3.24	7.18	1.12	......	9	16	9	5
1891-1931	69.4	109	27	4.41	15.62	0.11	......	11	13	10	7

ERRATUM: Page 22, Lewisburg, mean temperature 71.1 should read 68.4, departure +3.9 should read +1.2.

Climatological Data for June, 1931

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation, in inches Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Number of days Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Panhandle Division																				
Bayard	Grant	2,375	30	64.0	+0.5	91	30	33	2	44	2.97	−2.75	0.71	0	12	17	11	2	sw.	Lewis T. Clark
Brandywine	Pendleton	1,586	15	67.6	+0.7	95	26	38	2	41	3.90	+0.51	0.70	0	9	14	5	11	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	42								4.32	+0.65	1.41	0	8					J. C. Newcomer
Kearneysville	Jefferson	548	1	71.0		98	20	50	3†	38	2.51		1.08	0	10	16	11	3	e.	F. J. Schneiderhan
Martinsburg	Berkeley	435	39	a72.6	+1.8	102a	20	50	2†	41a	2.46	−1.82	0.75	0	8	22	7	1	se.	Dr. H. S. Gardner
Moorefield	Hardy	900	35	71.4	+1.5	102	20	38	3	53	1.94	−1.91	0.47	0	9	30	0	0		M. S. Henkel
Piedmont	Mineral	1,053	18	68.7	+0.7	97	30	40	17	45	1.12	−2.52	0.80	0	4	12	13	5	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	33	a71.4	+1.6	98a	13	46a	2†	43c	2.31	−1.62	0.82	0	9	12a	9a	8a		George E. Bergdoll
Stony River Dam	Grant	3,300	11								2.50	−1.76	0.56	0	11	12	5	13	w.	A. C. Becker
Upper Tract	Pendleton	1,230	32	c65.4	+2.7	90b	20†	39c	3	37c	2.55	−1.22	0.85	0	5					J. M. Mallow
Wardensville	Hardy	1,200	14	b70.3		99b	23	42b	3	41c	3.16		1.70	0	9	10g	9g	4g		Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	7								3.72		1.85	0	9	13	13	4	w.	L. Else Bond
Alma (near)	Tyler	800	4								3.20		1.05	0	8	13	15	2		D. N. Furbee
Alpena	Randolph	2,571	1	62.8		88	20	35	2†	40	6.28		1.65	0	14	12	16	2	w.	Christian Hertig
Benson	Harrison	1,080	7	69.0		96	20	39	2†	41	4.33		1.85	0	10	15	15	0		John A. Clark
Bens Run	Pleasants	652	29	74.0	+3.4	100	30	45	10	41	3.98	−0.32	1.10	0	10	18a	10a	1a		J. D. Riggs
Brownsville	Lewis	1,032	8	69.5		97	20	38	10	44	3.42		0.82	0	11	20	5	5		George M. Meyers
Bruceton Mills	Preston	1,549	14																	Mrs. H. R. Muldoon
Buckhannon	Upshur	1,411	34	68.0	−0.4	89	20	42	10	30	3.99	−1.06	1.50	0	10	21	6	3		H. A. Darnall
Cairo	Ritchie	680	30	70.0	−0.4	96	20	40	2	42	5.01	+0.15	2.40	0	9	15	12	3		Eureka Pipe Line Co.
Cheat Bridge	Randolph	3,558	5								7.01		1.16	0	16					Miss Blanche Cromer
Clarksburg	Harrison	1,015	9	70.8		98	30	42	10	44	2.48		0.73	0	10	13	14	3	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	8								4.27		1.47	0	12	15	12	3	sw.	George W. Blair
Creston	Wirt	640	29	71.0	+0.4	97	20	40	2†	43	3.43	−0.84	0.92	0	8	15	10	5		J. M. Reed
Dam 10 Mon. R.	Marion	826	10								3.09		1.04	0	8					Lockmaster
Dam 12 O. R.	Ohio	660	15								2.18	−1.72	1.10	0	7					Lockmaster
Dam 13 O. R.	Ohio	655	15								2.91	−0.70	1.40	0	10					Lockmaster
Dam 15 Mon. R.	Monongalia	882	10								3.60		1.45	0	12					Lockmaster
Davis	Tucker	3,093	22								3.77	−1.64	0.93	0	11					Ross C. Male
Elizabeth (Dam 3 L. K.)	Wirt	615	19								4.19	+0.13	1.80	0	6					Lockmaster
Elkins	Randolph	1,947	30	66.4	−0.5	92	20	39	10	39	3.09	−1.97	0.78	0	13	10	10	10	nw.	U. S. Weather Bureau
Fairmont	Marion	883	25	72.6	+2.5	101	20	43	10	45	2.63	−1.79	0.99	0	12	14	10	6	w.	J. C. Robinson
Glenville	Gilmer	738	37	73.0	+2.0	101	20	43	2	46	3.35	−1.14	0.83	0	11	22	6	2	w.	Howard R. Brannon
Grafton	Taylor	1,000	38	68.6	−0.5	96	30	39	10	42	3.17	−1.33	1.18	0	10	23	0	7		W. E. Clayton
Horner	Lewis	1,044	8								4.64		0.80	0	10					Foster R. Hardman
Horton	Randolph	2,840	6								7.18		1.02	0	15	7	8	15	w.	J. W. White
Janelew (near)	Lewis	1,020	8	71.5		96	20†	42	10	43	3.31		1.30	0	7	20	10	0	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	33	69.2	+1.4	96	20	40	2†	41	3.59	−0.79	1.89	0	9	18	6	6	w.	Allen Smith
Mannington	Marion	985	28	68.2	+0.3	92	20	39	2	37	3.43	−0.79	1.14	0	12	15	10	5	w.	Jas. A. Morgan
Morgantown ††	Monongalia	1,250	38								4.12	−0.38	1.17	0	9					Prof. E. L. Andrews
New Cumberland	Hancock	671	33	a69.6	+1.6	95a	20†	43	2†	39a	4.07	−0.53	1.76	0	12	9	9	12	s.	C. H. Hesse
New Martinsville	Wetzel	634	37	70.8	−0.3	98	30	42	2†	42	3.40	−0.74	0.85	0	9	16	10	4	s.	Wm. Ankrom
Parkersburg	Wood	638	44	72.5	+1.1	97	20	46	10	35	4.18	+0.18	1.34	0	11	8	12	10	nw.	U. S. Weather Bureau
Parsons ††	Tucker	1,649	31	69.2	+2.4	98	20†	40	10	46	2.78	−2.32		0	5	18	9	3		J. W. Swisher
Parsons No. 2	Tucker	1,649	5								2.91	−2.19	0.91	0	14	17	8	5		Robert T. Deem
Philippi	Barbour	1,550	34								2.61	−2.18	0.82	0	8					Prof. W. W. Thomson
Pickens	Randolph	2,697	28	65.9	+1.0	91	20	37	9	36	5.53	−0.63	1.50	0	12	22	5	3	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	8								3.38		0.64	0	11	17	8	5		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	41								3.85	−1.15	1.28	0	11					Walter H. Bolyard
Saint Marys	Pleasants	577	22								5.06	+1.01	1.75	0	9					Wm. Hughes
Terra Alta	Preston	2,559	30	63.9	−0.8	89	30	34	1	35	3.97	−2.32	0.83	0	15	9	12	9	w.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	2								4.31		0.79	0	11					H. L. Stiles
Valley Chapel	Lewis	1,011	8	69.8		95	20	42	1†	39	3.19		0.88	0	11	21	9	0	w.	J. C. Campbell
Wellsburg	Brooke	668	24	69.4	+1.5	98	30	39	10	43	3.50	−0.96	2.00	0	6	19	6	5	w.	George P. Pfister
West Milford	Harrison	979	6								2.73		0.92	0	8					Miss Dicie E. Wagner
Weston	Lewis	1,026	36	71.0	0	96	30	45	2	34	3.30	−1.40	0.70	0	12	17	10	3		Weston State Hospital
Wheeling	Ohio	645	44	71.6	+1.1	102	20†	39	2	51	2.73	−1.11	1.20	0	7	12	15	3	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	4								4.13		1.58	0	8	12	11	7	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	5								3.20		0.83	0	12	16	12	2	n.	H. S. Sutton
Bancroft	Putnam	574	27	a71.2	+0.6	98a	20	44	2	42a	2.50	−2.13	1.60	0	10	20	0	10	ne.	R. E. Dent
Beckley	Raleigh	2,440	28	69.6	−0.3	92	20†	35	2	49	2.68	−1.75	0.95	0	7	17	11	2		L. A. Mauck
Bluefield d	Mercer	2,558	36	68.9	+0.1	91	22	38	2	37	1.13	−3.65	0.55	0	5	20	4	2		Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	16								2.94	−2.20	0.80	0	5					Miss Katie Jarvis
Charleston	Kanawha	600	28	c74.8	+1.9	105c	20	45a	10	45f	2.26	−2.17	0.68	0	9	19a	0a	10a		R. O. Fields
Clay	Clay	706	15								4.11	−0.05	1.13	0	12					Chilton Wilson
Dam 6 G. K.	Kanawha	598	5								2.05		0.42	0	10					Lockmaster
Dam 19 O. R.	Wood	600	15								4.05	+0.12	1.02	0	9					Lockmaster
Dam 20 O. R.	Wood	600	15								4.37	+0.49	1.32	0	10					Lockmaster
Dam 25 O. R.††	Mason	565	4								2.95		1.53	0	7					Lockmaster
Dam 26 O. R.	Mason	564	15								1.73		0.60	0	9					U. S. Engineers Office
Gary	McDowell	1,426	15	69.4	+0.4	93	20	42	2†	39	2.68	−2.17	0.94	0	11					U. S. Coal & Coke Co.
Hinton	Summers	1,431	34	72.6	+2.2	100	20†	45	10	44	1.97	−2.26	1.10	0	8	19	6	5		Mrs. M. L. McClung
Huntington	Cabell	538	34	75.0	+2.2	100	20	47	2†	38	2.43	−1.81	0.96	0	9	11	14	5	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	12								2.95	−1.37	0.70	0	11					J. O. Brown
Kayford	Kanawha	1,335	15								4.83	−0.84	1.10	0	10					Cabin Creek. Con Coal Co
Kermit	Mingo	579	5								1.86		0.78	0	5					E. B. Kirk
Kingston	Fayette	1,481	1								2.05		0.90	0	4	23d	0d	3d		Claud J Wriston
Lewisburg	Greenbrier	2,250	31	71.1	+3.9	92	20	34	2	40	1.45	−2.62	1.21	0	4					Geo. T. Argabrite
Logan	Logan	700	28								2.72	−2.69	1.03	0	7					J. R. Wampler
Marlinton	Pocahontas	2,131	32	65.0	+0.7	92	20	34	10	42	4.33	−0.48	0.94	0	12	8	20	2	s.	S. L. Brown
Point Pleasant	Mason	595	38	72.8	+0.4	99	20	43	1†	39	2.25	−1.89	0.95	0	9	15	11	4	sw.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	1	65.4		91	20†	35	2†	46	2.83		0.64	0	10	22	1	7		H. M. Word, Jr.
Ravenswood (Dam 22)	Jackson	584	8	72.4		100	21	44	2	40	3.06	−0.77	0.85	0	12	15	0	15	se.	Lockmaster
Richwood	Nicholas	2,193	1	a67.0		93a	19	38	9	41a	4.08		1.50	0	11	18	9	3		Cherry River Paper Co.
Robertsburg	Putnam	570	31	71.4	+0.3	100	30	44	2†	41	2.28	−1.77	0.92	0	9	18	0	12		M. Frazier
Ryan	Roane	700	28	67.2	−1.7	96	20†	37	2	50	1.77	−2.77	0.74	0	7	19	10	1		Wm E. Ryan
Sharples	Logan	889	11								1.56	−3.23	1.42	0	2					R. W. Howard
Spencer	Roane	789	27	71.8	+2.2	99	20	41	2	41	3.13	−1.23	1.35	0	11	13	16	1		A. M. McKown
Sutton	Braxton	850	25	71.3	0	97	20†	43	2†	42	4.20	−0.97	1.45	0	10	20	0	10		C. B. Eakle
Union d	Monroe	2,250	27	68.4	+0.6	94	20†	38	10	42f	3.04	−1.12	1.12	0	6	11	14	1		W. M. H. Young
Wayne	Wayne	598	4								1.54		0.73	0	8					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	21	a68.6	+0.6	93a	19†	39	1†	43a	1.55	−3.01	0.60	0	5	27	2	1		A. P. Spence
Williamson	Mingo	673	31	75.4	+2.9	104	20	43	2	44	1.26	−3.37	0.41	0	9	15	12	3	se.	J. E. Dotson
State averages and	extremes			69.8	+1.0	105	20	33	2	54	3.24	−1.38	2.40	0	9	16	9	5	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters a, b, c appearing in the table indicate number of missing days; for example, b represents two days, etc.

Daily Precipitation for June, 1931

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard||||	Potomac	.15			T	.71	.09	.33	.22	.09				T	.53	.03							.22	.37	.15		.08						2.97
Brandywine	do	.65				.10	T	.40						.15	.50	.70	.25						.60	T	.55								3.90
Harpers Ferry ||||	do	.50	.63			T	.06			.60							.11	.01							1.41			1.00					4.32
Kearneysville	do	.52	.14			T		.08	.17							.10	.14							1.08	.11		.12	.05					2.51
Martinsburg ||||	do	.30	.40				.10	.01	.15								.35								.40			.74					2.45
Moorefield	do	.47				.22	.26	.30	.03							.16	.08								.20			.22					1.94
Piedmont	do								.05						.80									.25				.02					1.12
Romney ||||	do	.25	.10			.18		.08	.22						.25	.05	.82											.36					2.31
Stony River Dam	do	.18	.04			.45		.03	.46	.13						.56	.14							.22	.08			.21					2.50
Upper Tract	do	.52					.15						.85	.23	T	T	.80							T									2.65
Wardensville ||||	do	.59	.05	.01					.26						.17	.17	1.70								.05			.16					3.16
Northern Division																																	
Aberdeen	Monongahela					1.85	.02	.12	.20	.28						.16	T					T		.50	.27			.32					3.72
Alma (near)	Ohio					.52		.78	.13						1.05	.01								.13			.21	.07					3.20
Alpena	Monongahela	.25				.57	.06	.61	.55	.04				.31	1.65	.10						.40		.65	.38		.55	.16					6.28
Benson	do	.03				1.85		.25	.02	.06						.50						.02		.21	.83			.52					4.33
Bens Run	do				.60	.22		.69							.42	.06	.02				.10			1.10			.23	.51					3.98
Brownsville	do	.08			T	.82	.35	.12	.02	.06					T	.45	T					.28		.45	.28			.51					3.42
Bruceton Mills	do																																
Buckhannon	do	.12			T	1.50	.20	.20	.15	.40												.25		.50	.42		T	.25					3.99
Cairo	Little Kanawha					2.40		.37	.43						.31	.13						.32		.09	.93			.03					5.01
Cheat Bridge ||||	Monongahela	.46			.01	.36	.05	.56	.84	.66					.75	.83	1.16					.46	.04	.14	.55					.05	.09		7.01
Clarksburg ||||	Little Kanawha	.02				.73		.08	.25	.12						.14		.01						.66	.13			.34					2.48
Crawford ||||	do	.12				1.47		.22	.19	.02					.30	.05	T					.17		1.19	.10		.18	.26					4.27
Creston	Monongahela					.95			.19	.16						.70	.21					.92		.17				.13					3.43
Dam 10, Mon. R. ||||	Ohio					.93		.05	.19	.09						.06								.60	.13			1.04					3.09
Dam 12, O. R. ||||	do					.24		.12	1.10	.07						T	T	.08						.08				.49					2.18
Dam 13, O. R. ||||	Monongahela					1.40		.21	.04	.14						.06		.05				.05		.65			.05	.26					2.91
Dam 15, Mon. R. ||||	do					1.45	.56	.04	.24	.08						.22	.02					.08		.18	.52		.01	.20	T				3.60
Davis ||||	do	.20	.01			.73	.01	.35	.67	.26	T								.01					.50				.93	.10				3.77
Elizabeth (D'm 3 LK)	Little Kanawha					1.80		.08		.51						.18							1.52					.39					4.19
Elkins***	Monongahela	.12			.32	.12		.52	.29					.02	.13	.04	T					.42	.06	.72			.17	.16	T				3.09
Fairmont ||||	do	.02				.99	.05	.05	.30	.12						.05	.02	.02				T		.33	.48			.20					2.63
Glenville ||||	Little Kanawha					.83	.06	.04	.12	.03						.25						.42		.33	.82			.07	.38				3.35
Grafton ||||	Monongahela	.10				1.18	.07	.25	.13	.13					.05									.80			.16	.30					3.17
Horner	do	.32				.50			.60						.80		.20					.79		.33	.55		.16	.39					4.64
Horton	do	.33				.38	.09	.65	.43	T			.04	1.00	.52	.30	.88					.07	.71	.54	1.02			.22					7.18
Janelew (near)	do					1.30	.20	.20		.30					.96								.15	.20									3.31
Lost Creek	do				T	1.89	.11	.09	.08	T					.04	T	T					.12		.28			.20	.78					3.59
Mannington	do				.02	1.12		.31	.27	.22					.11	.30	.02					.12		.56			.18	.17					3.43
Morgantown	do				.05	1.00	.20	.20	T	.10						T	T						.25	.90			.25	1.17					4.12
New Cumberland ||||	Ohio	.01				.49		.86	.90								.10	.05				.24	.28	.10	.48		.04	.52					4.07
New Martinsville	do					.35		.60	.15						.60	.15							.85	.10			.55	.05					3.40
Parkersburg***	do			.02	1.34			.01	1.04	.18					.72	.02	.02				T		.07	T			.67	.09		T			4.18
Parsons	Monongahela				*	*	1.61								.50										.67								2.78
Parsons No. 2	do	.16				.91	.15	.25	.35	.05					.25	.03						.10	.08	.08	.20		.26	.04					2.91
Philippi	do	.14				.82		.38	.20	.33														.25	.24			.25					2.61
Pickens	do	.33				1.26	.05	1.50	.56						.34	.13						.30		.37	.16		.16	.37					5.53
Roanoke	do	.12				.50	.51	.13	.10						.20	.13						.20		.54	.45		.50						3.38
Rowlesburg ||||	do	.04				1.28		.19	.23	.33						.17		.03						.21	.25		T	.97	.15				3.85
Saint Marys ||||	Ohio	T.				1.75		.15	.69	.07						.20	.75							.02	.51			.92					5.06
Terra Alta	Monongahela				.83	.01	.09	.33	.11	.01				.32	.66	.01	.02						.41	.45		.04	.67	.01					3.97
Thomas ||||	do	.19				.78		.31	.58	.25					.30	.28								.50	.30			.75	.04				4.31
Valley Chapel	do	.02				.88	.80	.17	.03	.15						.23						.10		.22	.35			.24					3.19
Vandalia	do					1.76	.14		.29	.08					.48							.37		.15			.43	.37					4.07
Wellsburg	Ohio					.35		2.00	T.												T.		.27	.32			.44	.12					3.50
West Milford	Monongahela					.92	.74	.10	.22						.15									.28			.10	.22					2.73
Weston	do	.10				.70	.65	.05	.10	.30						.10						.50		.20	.10			.40	.10				3.30
Wheeling ||||	Ohio					.60		.12	1.20	.05								.05						T.			.16	.55					2.73
Woodlands ||||	do					.62		.48	.60	.17						.37	.28	.03										1.58					4.13
Southern Division																																	
Arbovale	Great Kanawha	.45			T.	.01	.06	.52	.10					.73	.11	.83						.12	.03	T.	.21		T.	.03					3.20
Bancroft ||||	do	.05				.20	.15	.05	.24	.05						.05						.06		1.60				.05					2.50
Beckley	do	.46				T.	.05	.35	.20						.95	.47								.20									2.68
Bluefield	do					T.			.55	.02						.13	.07							.36				T.			T.		1.13
Camden-on-Gauley ||||	do	.71		.80					.66							.33						.44											2.94
Charleston ||||	do	.22				.16	.30	.02	.28	.06												.50	.04	.68									2.26
Clay ||||	do					.50	.14	.05	.76	.34					.11	T.	.14					.80	.02	1.13				.10	.02				4.11
Dam 6 G. K ||||	do	.13				.12	.41		.42						.03	.03						.30	.12	.42	.07								2.05
Dam 19 O. R. ||||	Ohio					1.02		.15	.75	.12						.58	.03					.11		.41		T.		.88		T			4.05
Dam 20 O. R. ||||	do	.06				1.32		.24	.74	.32						.47	.16					.83		.08				.15					4.37
Dam 25 O. R. ||||	do					.78		.06	.10							1.53	.02							.16				.30					2.95
Dam 26 O. R. ||||	do					.31	.03	.10	.25	.05						.02								.35				.60		.02			1.73
Gary ||||	Big Sandy	.53		.01				.16	.31	.11						.94	.16	.01						.07	.01				.37				2.68
Hinton ||||	do	.33					T.	.06	.10	.01						1.10	.05							.29	.03								1.97
Huntington ||||	Ohio					.23		.18	.03							.04						.63	.08	.96				.03		.25			2.43
Kanawha Falls ||||	Great Kanawha	.30				.51	.30	.10	.70	.10					.10		.22					.42		.15				.05					2.95
Kayford ||||	do	.56				.17	.12	.34	1.10	.37					.09	T.	.95					1.09	.03		.01								4.83
Kermit ||||	Big Sandy							.02							.78	.35						.46	.25										1.86
Kingston	Great Kanawha				.42	.90		.48														.25											2.05
Lewisburg	do		T.			1.21	*	.23						T.	T.	.01																	1.45
Logan ||||	Guyandotte	.42				.08			1.03						.02	.45	.39					.33											2.72
Marlinton	Great Kanawha	.36					.32	.77	.06				.94		.24	.80	.04					.16	.48	.12	.04		T.						4.33
Point Pleasant ||||	Ohio					.72	.23	.09	.08							.76		.01						.25				.09		.02			2.25
Rainelle	Meadow Creek	.48				.38	.06	.64	.01						.56	.24	.08					T.	.02	.36									2.83
Ravenswood (Dam 22	Ohio					.52	.35	.15	.10	.06	.01					.85	T.	.03				.55		.18				.25	.02				3.06
Richwood	Great Kanawha				.29	.07		.85	.07					.35	1.50	.29					.50	.04	.08	.04	T.			T.					4.08
Robertsburg ||||	do	.08				.55		.04	.33	.03					T.	.06								.22	.05			.92		T.			2.28
Ryan	do	.07				.60		.28	.05						.74		.01										.02						1.77
Sharples ||||	Coal River								1.42	.14												T.											1.56
Spencer ||||	Great Kanawha	.03			T.	.71			.24	.04						.47	T.	.03				.06		1.35	.05			T	.02		.13		3.13
Sutton	Gauley	.20				.65	.40	.25	.10	.10						1.45						.20		.65				.20					4.20
Union	do	.65				.50	1.12		.36							.06								T.	.35								3.04
Wayne ||||	Big Sandy	.05				.06			.19	.05						.13						.73	.08								.25		1.54
White Sulpr. Spgs. ||||	Great Kanawha				.30		.25	.30						.60									.10										1.55
Williamson ||||	Big Sandy	.32				.03			.41	.09					.14	.02	.12							.10					.03		T.		1.26

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for June, 1931

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	58	69	78	77	76	82	76	63	64	71	78	83	88	83	80	70	73	82	87	90	85	80	83	82	87	87	83	83	87	91	....	79.2
	Minimum	47	33	37	40	58	45	59	47	44	36	37	42	48	54	50	53	40	41	43	50	63	53	63	58	50	53	58	56	54	50	....	48.7
Brandywine	Maximum	70	70	75	80	72	82	80	70	60	75	82	85	86	85	80	75	76	93	94	93	90	80	85	81	82	95	94	92	91	92	....	82.3
	Minimum	52	38	42	48	44	45	47	50	46	39	50	52	50	56	57	60	48	52	53	60	62	60	60	61	59	58	60	59	62	60	....	53.0
Kearneysville	Maximum	68	73	79	84	83	78	86	70	68	74	80	84	85	79	80	78	80	84	94	98	93	86	92	76	83	94	87	86	87	93	....	82.7
	Minimum	55	51	50	51	65	57	64	56	50	56	55	56	61	63	63	62	55	53	56	65	70	64	66	63	57	63	66	66	63	59	....	59.4
Martinsburg‖	Maximum	65	76	84	85	86	85	88	73	69	76	81	88	88	80	85	82	82	88	98	102	92	84	95	80	90	95	88	90	90	..	....	85.0
	Minimum	55	50	50	50	66	59	63	59	50	53	58	59	62	68	65	63	55	53	57	63	72	65	67	65	56	64	66	68	65	60	....	60.2
Moorfield	Maximum	73	77	86	86	84	86	89	68	71	78	84	90	95	91	89	81	81	88	96	102	100	90	91	87	92	100	92	92	94	100	....	87.8
	Minimum	54	44	38	51	52	54	61	51	47	39	47	39	58	58	62	63	51	55	54	49	70	65	68	53	57	62	64	64	64	59	....	55.1
Piedmont	Maximum	63	71	83	83	82	78	83	68	65	76	82	87	80	84	81	73	77	84	92	95	88	81	90	70	88	94	88	88	92	97	....	82.1
	Minimum	53	43	46	48	61	51	59	52	50	45	48	50	52	57	63	60	40	49	52	50	70	60	66	63	56	61	65	64	62	60	....	55.3
Romney‖	Maximum	67	77	85	85	86	88	86	68	70	75	89	94	98	86	92	78	82	89	97	97	91	85	92	..	91	97	90	88	93	..	....	86.3
	Minimum	53	46	46	47	55	53	61	54	52	48	48	51	57	62	62	62	49	50	54	59	77	62	67	63	..	56	64	64	60	59	....	56.6
Upper Tract	Maximum	67	..	80	81	77	74	75	74	73	75	80	83	80	71	72	74	76	82	85	90	90	89	79	..	82	82	83	79	80	90	....	79.4
	Minimum	51	..	39	40	42	48	49	48	40	41	42	48	56	57	58	51	52	47	48	53	..	62	65		57	56	61	59	58	58	....	51.3
Wardensville	Maximum	74	81	83	84	..	..	84	69	69	84	81	88	90	81	84	77	81	85	94	96	90	83	99	81	86	96	89	88	91	91	....	85.0
	Minimum	53	45	46	63	59	..	..	51	50	49	46	47	56	61	60	59	47	48	54	56	68	52	64	69	55	59	64	62	58	56	....	55.6
Northern Division																																	
Alpena	Maximum	56	62	74	78	73	78	74	62	59	69	76	82	84	81	76	70	71	82	84	88	82	81	77	82	83	84	81	83	81	87	....	76.7
	Minimum	45	35	35	42	46	52	51	45	48	39	37	42	49	52	52	53	43	43	45	48	59	65	62	58	56	55	52	52	54	56	....	49.0
Bens Run	Maximum	72	80	86	86	84	90	79	70	74	82	88	92	94	89	89	88	82	92	97	98	94	95	90	89	96	94	92	95	94	100	....	88.4
	Minimum	50	46	49	56	61	54	63	54	49	45	52	56	61	63	64	69	51	57	56	62	66	68	68	65	64	67	66	69	70	70	....	59.7
Buckhannon	Maximum	60	68	74	79	77	80	78	67	63	70	74	81	84	82	80	79	72	79	84	89	83	86	84	79	84	86	82	85	84	87	....	78.7
	Minimum	50	45	48	54	62	56	64	54	50	42	47	53	58	63	59	50	49	50	53	59	66	64	68	65	64	63	63	64	68	66	....	57.2
Cairo	Maximum	67	75	81	85	81	86	76	66	69	78	84	87	90	86	80	78	78	88	91	96	90	91	91	85	92	94	90	90	89	95	....	84.3
	Minimum	46	40	44	55	58	53	62	52	47	41	46	50	57	60	61	54	48	46	50	57	64	65	66	64	62	74	69	51	66	64	....	55.7
Clarksburg ‖	Maximum	68	79	82	88	81	87	73	66	68	76	83	89	94	92	86	75	79	89	94	97	91	93	84	86	93	93	89	90	94	98	....	85.2
	Minimum	51	43	46	52	62	51	63	52	46	42	46	52	57	60	60	55	48	50	50	58	66	63	68	66	60	62	64	65	68	64	....	56.3
Creston	Maximum	79	77	81	85	81	87	85	66	70	78	85	86	90	87	81	80	79	90	93	97	95	93	90	88	93	95	90	92	91	95	....	86.0
	Minimum	54	40	43	54	59	55	63	54	47	40	46	49	56	58	60	54	59	51	50	56	63	66	65	64	61	61	62	64	68	66	....	55.9
Elkins	Maximum	59	69	75	82	76	81	78	59	61	70	76	83	85	83	79	71	72	83	87	92	84	86	81	80	87	88	82	85	87	91	....	79.1
	Minimum	47	41	42	48	60	53	56	49	45	39	44	49	54	57	56	54	48	49	50	53	63	60	66	62	57	59	60	63	62	62	....	53.6
Fairmont‖	Maximum	71	80	85	85	83	87	73	66	72	81	86	92	95	94	83	79	80	92	98	101	90	95	87	89	94	93	92	92	98	100	....	87.1
	Minimum	50	44	49	49	61	52	65	53	46	43	48	55	60	69	63	58	49	53	53	62	67	65	68	65	61	65	65	67	68	66	....	58.0
Glenville	Maximum	73	80	85	89	89	89	88	76	71	80	86	89	94	92	87	82	83	91	96	101	97	95	93	89	95	96	92	94	93	98	....	88.8
	Minimum	50	43	47	55	60	58	65	54	50	45	47	49	52	60	60	50	51	53	50	58	66	67	67	68	63	64	64	67	69	68	....	57.3
Grafton	Maximum	63	74	80	83	81	84	76	77	67	76	82	87	90	87	80	73	78	86	91	95	90	90	80	86	91	90	87	92	93	96	....	83.5
	Minimum	48	45	45	50	59	49	62	50	45	39	43	50	55	58	57	55	46	48	49	54	60	60	58	56	49	56	62	66	68	65	....	53.6
Lost Creek	Maximum	68	74	80	84	77	80	80	69	66	76	80	89	89	88	83	75	75	86	90	96	94	93	89	85	91	90	87	88	91	95	....	83.6
	Minimum	50	40	45	50	60	51	64	52	45	40	44	51	55	60	59	55	45	49	49	56	54	62	67	64	59	66	63	64	64	64	....	54.9
Mannington	Maximum	66	73	78	82	79	83	80	66	67	74	78	84	86	85	78	73	74	81	87	92	89	86	83	82	87	88	85	87	87	90	....	81.0
	Minimum	50	39	45	51	58	49	63	53	46	41	44	52	56	60	62	55	47	50	50	58	63	62	65	64	59	62	63	64	66	64	....	55.4
New Cumberland‖	Maximum	68	76	84	79	75	85	68	66	69	76	82	88	90	88	81	79	77	87	93	95	84	88	85	83	95	88	88	87	93	..	....	82.7
	Minimum	50	43	45	53	61	47	63	53	45	43	45	55	57	60	65	56	50	49	54	65	62	63	64	59	60	64	67	65	65	66	....	56.5
New Martinsville	Maximum	69	79	83	81	82	88	84	68	70	79	83	89	92	90	80	78	79	89	93	97	92	93	90	88	94	92	89	91	94	98	....	85.8
	Minimum	48	42	45	54	59	49	48	52	46	42	47	54	59	60	61	56	49	50	51	60	64	65	67	62	61	63	63	66	68	66	....	55.9
Parkersburg	Maximum	66	75	82	85	82	87	73	67	68	76	82	87	88	85	80	76	78	86	93	97	89	91	87	86	91	95	90	92	88	93	....	83.8
	Minimum	49	46	51	61	63	58	56	52	50	46	54	57	63	66	64	60	55	59	58	67	71	71	70	68	68	68	67	72	75	70	....	61.2
Parsons	Maximum	75	75	81	86	86	86	79	65	66	75	82	89	91	90	85	85	79	89	94	98	89	87	98	94	90	89	88	88	94	96	....	85.6
	Minimum	50	44	42	42	42	55	58	50	45	40	45	48	55	57	58	55	48	47	49	52	63	61	61	57	59	60	60	64	60	60	....	52.9
Pickens	Maximum	57	69	76	83	75	81	75	56	69	71	77	85	87	85	80	68	72	83	88	91	84	87	80	81	85	89	89	85	87	90	....	79.5
	Minimum	45	38	41	50	56	53	55	46	37	42	52	49	54	56	54	44	46	47	52	55	60	60	63	60	56	58	58	59	60	63	....	52.3
Terra Alta	Maximum	59	69	75	76	73	80	72	60	61	70	76	83	85	81	76	66	71	81	84	88	80	78	80	79	86	84	79	80	86	89	....	76.9
	Minimum	34	40	42	58	42	58	47	44	43	40	46	52	55	54	53	42	43	46	52	63	54	63	61	50	55	61	56	58	55	59	....	50.9
Wellsburg	Maximum	68	77	82	83	78	86	80	67	72	80	84	90	92	88	84	76	79	88	93	96	87	90	87	85	93	88	91	90	96	98	....	84.9
	Minimum	47	40	44	50	62	46	60	53	42	39	41	51	55	59	63	53	45	46	50	60	59	60	64	60	56	63	64	62	64	55	....	53.8
Weston	Maximum	65	75	78	88	82	85	82	66	78	73	78	84	89	85	80	73	77	83	90	94	95	92	90	85	90	92	92	93	92	96	....	84.1
	Minimum	52	45	48	55	65	55	52	48	53	49	52	55	57	54	52	46	55	55	57	60	65	66	78	68	62	64	65	66	68	69	....	57.9
Wheeling‖	Maximum	72	80	98	83	84	90	71	90	73	82	88	94	96	93	86	79	83	90	98	102	92	95	93	92	97	94	92	91	98	102	....	89.4
	Minimum	45	39	44	50	60	46	45	44	41	41	44	57	55	60	61	53	55	48	53	54	61	62	64	61	57	65	63	62	65	61	....	53.7
Southern Division																																	
Beckley	Maximum	84	84	83	82	81	82	81	86	80	79	80	83	85	85	84	82	81	85	88	92	91	92	91	90	90	92	92	91	90	91	....	85.7
	Minimum	48	35	40	56	48	54	48	47	45	37	43	49	57	58	56	60	45	46	53	54	62	63	65	62	68	62	59	60	64	60	....	53.5
Bluefield	Maximum	84	73	78	83	81	83	..	82	63	74	81	80	80	..	85	76	76	86	88	88	..	91	86	85	84	90	89	..	90	88	....	82.5
	Minimum	51	38	45	57	62	56	..	47	47	41	46	53	57	..	55	63	49	49	60	58	..	62	64	65	65	60	63	..	62	64	....	55.3
Charleston ‖	Maximum	76	82	88	93	85	93	78	72	76	84	90	..	..	..	..	..	87	90	99	105	97	97	91	93	95	103	94	102	90	102	....	90.5
	Minimum	52	46	47	52	62	62	64	54	48	45	50	54	60	52	60	61	..	52	56	60	65	67	67	68	65	65	65	67	77	67	....	59.0
Gary ‖	Maximum	66	72	79	84	79	86	79	63	64	73	82	83	86	87	82	79	77	86	89	93	91	89	88	87	90	92	92	91	84	91	....	82.7
	Minimum	54	42	42	46	59	57	59	52	49	42	44	49	57	60	60	61	50	51	52	54	59	65	67	66	63	64	62	65	67	63	....	56.0
Hinton ‖	Maximum	70	80	86	87	86	86	80	68	70	80	87	87	95	92	80	80	82	92	98	100	97	88	91	92	94	100	92	96	90	94	....	87.3
	Minimum	55	46	47	50	61	60	60	53	50	45	48	50	58	60	61	62	53	53	56	56	62	66	65	68	63	65	63	66	68	64	....	57.8
Huntington	Maximum	69	79	85	87	86	90	87	87	74	82	88	84	91	91	86	83	84	90	96	100	96	95	90	90	98	97	96	97	92	96	....	88.9
	Minimum	49	47	49	60	64	62	67	55	47	52	53	61	63	65	64	59	54	52	62	63	67	68	69	68	68	68	68	68	72	69	....	61.1
Lewisburg	Maximum	70	79	82	77	80	79	62	61	72	81	80	81	82	87	82	76	77	82	88	92	90	89	87	86	88	90	86	89	90	87	....	81.7
	Minimum	53	34	56	67	56	50	54	44	39	43	44	43	42	56	52	62	45	48	53	52	62	64	61	63	72	73	72	73	59	64	....	55.2
Marlinton	Maximum	64	70	78	80	76	76	72	58	60	72	76	82	86	82	74	72	74	80	84	92	88	80	86	84	84	86	84	86	88	90	....	78.8
	Minimum	50	36	36	52	56	52	52	46	40	34	38	44	52	54	56	54	42	44	48	52	56	58	58	58	56	64	62	62	68	56	....	51.2
Point Pleasant	Maximum	68	80	84	86	88	90	88	74	72	80	88	86	92	90	82	81	82	90	98	99	98	98	91	92	96	98	96	98	92	97	....	88.5
	Minimum	43	43	46	52	60	56	63	53	43	43	50	55	58	60	60	57	50	51	53	60	66	67	65	65	64	64	63	65	70	65	....	57.0
Rainelle	Maximum	63	71	78	82	77	85	76	60	62	71	79	86	88	85	77	72	73	82	88	91	88	84	84	83	86	91	84	87	84	89	....	80.2
	Minimum	48	35	35	48	59	59	50	49	48	35	37	40	51	53	54	60	44	42	45	45	58	60	58	63	54	57	54	60	59	57	....	50.6
Ravenswood	Maximum	68	76	81	84	84	86	86	72	70	78	85	87	89	89	82	80	80	89	93	97	100	92	93	90	93	96	92	95	94	96	....	86.6
	Minimum	47	44	47	59	61	56	65	54	45	45	49	53	60	63	62	58	49	52	53	61	67	68	67	65	64	64	65	65	72	66	....	58.2
Richwood	Maximum	72	78	82	76	81	68	59	60	72	80	80	82	84	78	72	74	84	88	93	90	85	82	84	88	90	87	86	86	92	..	....	80.4
	Minimum	39	39	47	60	59	57	49	49	38	41	46	49	50	51	61	46	46	51	52	63	60	63	66	56	59	58	60	61	63	65	....	53.5
Robertsburg‖	Maximum	68	81	83	82	83	90	74	65	68	80	87	84	85	80	80	78	76	89	93	98	96	94	86	90	90	97	95	95	93	100	....	85.3
	Minimum	47	44	45	47	61	57	63	54	45	44	50	54	58	60	61	60	58	49	52	60	65	67	67	65	64	63	65	66	71	65	....	57.6
Ryan	Maximum	70	75	75	85	82	65	68	70	66	75	80	80	85	87	82	80	67	85	93	96	95	96	90	84	86	95	90	95	85	95	....	82.6
	Minimum	43	37	41	41	54	54	58	42	40	38	44	56	55	56	56	52	41	45	43	49	62	64	62	60	59	59	60	59	61	62	....	51.8
Spencer ‖	Maximum	68	78	83	87	82	87	74	68	70	79	85	89	91	90	82	79	80	89	94	99	92	94	87	89	93	96	92	93	90	96	....	85.9
	Minimum	48	41	44	50	61	61	62	55	47	42	49	52	58	61	61	58	50	52	53	59	67	68	67	66	64	64	64	65	71	67	....	57.6
Sutton	Maximum	70	76	82	85	85	87	87	70	68	75	83	89	89	88	88	79	76	86	94	97	97	94	94	87	94	95	95	91	91	94	....	86.2
	Minimum	53	43	45	55	59	61	60	52	51	43	45	50	56	58	58	60	50	51	52	55	60	63	66	65	64	61	62	65	68	62	....	56.4
Union	Maximum	84	73	80	85	81	85	..	76	65	75	83	86	88	..	77	80	80	86	90	94	..	94	89	87	85	93	91	..	91	94	....	84.3
	Minimum	52	39	41	56	59	44		49	44	38	42	46	57	..	56	62	45	46	54	52	..	60	60	63	63	58	59	..	57	61	....	52.4
White Sulphur Spgs.	Maximum	77	80	82	79	82	81	66	65	77	82	86	85	88	85	79	78	85	92	93	93	81	83	87	83	92	86	92	92	93	..	....	83.6
	Minimum	39	40	50	58	51	57	51	43	39	41	45	55	55	56	62	44	46	50	50	59	62	60	62	62	61	60	60	63	63	65	....	53.6
Williamson‖	Maximum	73	84	91	93	89	95	80	71	74	84	93	85	94	87	88	84	87	91	99	104	101	97	94	97	99	102	98	100	82	100	....	90.5
	Minimum	54	43	49	56	63	64	64	55	51	49	51	58	62	63	66	65	55	55	57	60	61	69	68	67	68	66	66	69	68	67	....	60.3

‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.125	.095	.195	.217	.218	.147	.189	.095	.106	.134	.233	.189	.222	.255	.239	.178	.145	.220	.245	.278	.327	.266	.194	.142	.205	.217	.164	.166	.244	.223	....	5.873
	Wind movement	90	33	26	75	15	35	40	92	40	48	46	29	23	22	28	41	44	35	20	38	39	34	24	40	28	23	25	33	29	19	...	1,114

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 7-28-31—900)

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

HENRY C. HOWE, Meteorologist

VOL. XXXIX PARKERSBURG, W. VA., JULY, 1931 No. 7

GENERAL SUMMARY

The past month was exceptionally warm, the mean temperature, 76.8°, being the highest of State record except in 1901, when the mean temperature for the State averaged 77.4°. The average temperature at a few of the stations having long records was as high or higher than in 1901. The precipitation averaged slightly above the normal but was unfavorably distributed over the State. There were several local excessive rain and heavy hail storms, attended by wind-rushes, causing considerable damage to crops and slight damage to buildings. It was a month of excellent growth and all crops were in good condition throughout the month. Pastures were short, however, over the northwestern counties.

TEMPERATURE

The monthly mean for the State, determined from 50 stations, was 76.8°. The departure from the normal for 39 stations having ten or more years of record was +4.0°. There were three periods of high temperature: from the 1st to the 9th, 13th to the 21st, and the 27th to the end of the month, the highest readings occurring on the 1st, 2d, 16th, 30th and 31st. The temperature was lowest on the 11-12th and 26th.

PRECIPITATION

The average precipitation for the State, determined from 85 stations, was 4.78 inches. The departure from the normal for 55 stations having ten or more years of record was +0.12 inch. The precipitation was heaviest over the central and southern counties and lightest over the northwestern and northern counties. The bulk of the precipitation was measured on the 3d, 10th, 16-17th, 20-24th and the 31st, excessive rain fell at Alpena, Randolph County on the latter date.

LIGHT HAIL

Light hail fell in portions of the following counties on dates given: Mercer, 8th; Cabell, 10th; Berkeley, Hancock, Lewis and Pocahontas, 23d; Berkeley, 31st.

HEAVY HAIL

Heavy hail and excessive rain, attended by a wind-rush, caused considerable damage to crops over the west-central portion of Mason County. A silo was also blown over, lightning struck a garage, doing some damage, and a tree was blown down, doing slight damage to a house.

Heavy hail, excessive rain, attended by a wind-rush, blew over two barns near Hurricane, Putnam County, on the 16th. A cow was killed.

Heavy hail and excessive rain, attended by a wind-rush, caused considerable damage between Lewisburg and Ronceverte, Greenbrier County. A barn was struck by lightning, branches were broken from trees, and considerable damage was caused to crops.

A heavy hail storm swept over the Cherry Run Orchard, Morgan County, on the 16th. All the crop of Transparent apples left on the trees was destroyed. Three carloads of fruit had been picked before the storm. Nearly 10,000 bushels of apples were destroyed by the storm.

Two men were killed by lightning near Morgantown on the 16th. The men were working in the field.

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MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 7th, 21st, and 27th; Elkins, 12th, 25th, and 27th; Marlinton, 1st, 7th, 12th, 14th, 15th, 16th, 24th, 25th, 27th, 28th, and 29th; Parkersburg, 11th; Richwood, 5th and 24th; Terra Alta, 6th; Wellsburg, 8th; Williamson, 9th and 15th; Woodland, 25th, 26th, and 27th.

Thunderstorms (dates and number of stations reporting) 1st, 4; 2d, 19; 3d, 13th; 4th, 5; 5th, 2; 6th, 4; 7th, 3; 9th, 9; 10th, 9; 12th, 1; 14th, 1; 15th, 3; 16th, 13; 17th, 8; 18th, 4; 19th, 4; 20th, 10; 21st, 6; 22d, 14; 23d, 11; 24th, 2; 27th, 1; 30th, 9; 31st, 8.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio	29.95	75	51	59	395.8	87	3,231	4.3	30	sw.	22
Columbus, Ohio	29.94	72	48	55	321.1	71	5,029	6.8	34	se.	31
Elkins	29.97	86	59	76	320.0	71	2,388	3.2	28	nw.	20
Lexington, Ky	29.98	71	55	....	300.0	67	6,322	8.5	40	w.	5
Parkersburg	29.97	67	49	61	289.2	64	2,877	3.9	23	w.	2
Pittsburgh, Pa	29.94	76	63	63	346.3	76	4,826	6.5	45	n.	16
Wytheville, Va	29.95	86	62	77	218.0	49	2,922	3.9	17	ne.	9

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	**67.5**	.....	.....	5.59	.....	.....	.....	.....	.....	.....	.....
1892	73.4	98	41	4.20	.....	.....	.....	9	.....	.....	.....
1893	73.8	98	42	2.96	5.95	1.37	.....	9	20	10	1
1894	73.3	100	36	2.21	4.84	0.50	.....	7	10	19	2
1895	70.5	99	39	4.35	7.04	1.65	.....	9	11	13	7
1896	73.3	97	46	9.07	**15.70**	2.91	.....	14	9	12	10
1897	74.2	102	46	5.43	9.92	2.85	.....	13	11	12	8
1898	75.0	103	40	4.46	8.33	1.53	.....	13	12	7	12
1899	73.3	100	33	3.78	7.92	0.20	.....	9	14	10	7
1900	74.7	104	41	4.38	7.88	1.72	.....	13	15	11	5
1901	**77.4**	104	47	3.16	6.21	0.69	.....	9	14	12	5
1902	74.2	104	45	3.54	8.42	0.96	.....	8	14	12	5
1903	72.5	100	37	3.74	8.30	1.82	.....	10	16	10	5
1904	71.5	97	42	3.28	6.00	1.04	.....	10	14	12	5
1905	73.3	98	43	5.92	10.64	3.00	...	14	12	11	8
1906	72.4	98	45	4.54	7.40	1.50		12	12	11	8
1907	72.7	98	42	6.66	13.36	1.99	.....	13	12	14	5
1908	74.0	100	41	5.21	9.43	2.08	.....	11	14	13	4
1909	70.2	96	36	4.17	10.50	0.60	.....	11	14	11	6
1910	73.8	98	41	4.92	13.16	0.54	...	11	13	12	6
1911	73.3	106	40	2.82	6.94	0.40	.....	5	16	12	3
1912	72.0	100	45	7.48	15.22	2.67	.....	13	12	12	7
1913	74.2	103	40	5.80	10.07	2.14	.....	12	15	12	4
1914	73.1	106	38	4.11	7.74	0.98	.....	7	16	10	5
1915	71.9	99	38	4.63	11.31	1.82	.....	13	12	11	8
1916	74.8	102	42	3.49	9.47	1.06	.....	9	16	8	7
1917	72.6	104	44	4.83	8.27	1.25	.....	12	14	10	7
1918	70.3	101	38	3.18	6.90	1.04	.....	8	17	7	7
1919	74.3	104	41	5.51	13.08	1.96	.....	10	18	7	6
1920	70.1	99	40	4.84	8.94	2.34	.....	10	16	8	7
1921	75.6	101	44	3.58	8.90	1.08	.	9	16	10	5
1922	72.9	99	43	4.53	8.05	1.33		11	15	8	8
1923	71.7	100	37	4.70	9.46	2.22	. .	10	16	8	7
1924	70.0	99	36	4.49	7.63	1.65	.....	11	16	9	6
1925	72.2	102	**31**	5.05	7.84	1.08	....	11	13	11	7
1926	72.6	107	37	4.45	8.07	0.83	.....	10	15	8	8
1927	72.3	100	36	5.09	12.40	1.65	.....	10	15	9	7
1928	73.5	102	35	4.23	8.97	1.10	.....	11	15	10	6
1929	72.7	104	32	4.09	10.61	0.80	.....	10	15	10	6
1930	74.9	**109**	34	1.90	7.02	**0.06**	.....	6	21	7	3
1931	76.8	108	42	4.78	10.74	0.93	.....	10	17	9	5
1891-1931	73.0	109	31	4.52	15.70	0.06	.....	10	14	11	6

Climatological Data for July, 1931

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	30	70.8	+3.4	92	1†	42	12	43	4.41	−0.62	1.70	0	11	25	5	1	sw.	Lewis T. Clark
Brandywine	Pendleton	1,586	15	73.9	+2.8	95	31	50	11	35	3.95	+0.60	0.75	0	13	22	2	7	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	42	......	......	......	......	......	......	....	5.71	+2.32	1.05	0	12	......	......	......	......	J. C. Newcomer
Kearneysville	Jefferson	548	1	77.7	......	98	1	56	12	30	5.65	......	1.01	0	14	14	13	4	e.	F. J. Schneiderhan
Martinsburg	Berkeley	435	39	^{a}80.6	+5.1	102^{a}	1	58	26	36^{a}	3.94	+0.31	0.75	0	13	16	14	1	se.	Dr. H. S. Gardner
Moorefield	Hardy	900	35	78.8	+4.3	101	1†	52	26	44	4.54	+1.28	1.25	0	9	31	0	0	......	M. S. Henkel
Piedmont	Mineral	1,053	18	76.4	+4.4	99	1	51	12	39	3.51	+0.09	0.67	0	12	14	14	3	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	33	^{c}77.6	+2.8	98^{c}	1†	52^{b}	11	39^{c}	6.56	+3.16	1.25	0	12	12^{b}	14^{b}	3^{b}	......	George E. Bergdoll
Stony River Dam	Grant	3,300	11	......	......	......	......	......	......	....	3.13	−1.06	0.74	0	10	9	9	13	w.	A. C. Becker
Upper Tract^{d}	Pendleton	1,230	32	72.9	+1.4	90	1†	50	13	39	3.86	+0.47	1.50	0	4	......	......	......	......	J. M. Mallow
Wardensville	Hardy	1,200	14	^{b}75.8	......	100^{b}	1	50^{a}	27	42^{c}	5.82	......	1.23	0	15	17^{a}	6^{a}	7^{a}	......	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	7	......	......	......	......	......	......	....	3.93	......	1.26	0	9	14	13	4	w.	L. Else Bond
Alma (near)	Tyler	800	4	......	......	......	......	......	......	....	3.12	......	0.79	0	10	13	16	2	......	D. N. Furbee
Alpena	Randolph	2,571	1	69.5	......	94	2	43	12	36	8.05	......	4.32	0	14	7	24	0	w.	Christian Hertig
Benson	Harrison	1,080	7	75.5	......	100	2	50	12	29	4.48	......	1.45	0	8	15	14	2	......	John A. Clark
Bens Run	Pleasants	652	29	80.8	+5.9	100	2	57	12†	38	1.11	−3.50	0.41	0	6	21	9	1	......	J. D. Riggs
Brownsville	Lewis	1,032	8	76.0	......	98	2	50	11†	40	4.05	......	0.88	0	10	17	11	3	......	George M. Meyers
Bruceton Mills ††	Preston	1,549	14	......	......	......	......	......	......	....	6.19	+1.16	2.00	0	10	17	9	5	sw.	Mrs. H. R. Muldoon
Buckhannon	Upshur	1,411	34	74.4	+2.7	92	2	54	11†	28	6.77	+1.72	2.10	0	6	23	5	3	......	H. A. Darnall
Cairo	Ritchie	680	30	77.1	+2 9	99	2	51	12†	43	4.50	−0.14	1.34	0	10	16	12	3	......	Eureka Pipe Line Co.
Cheat Bridge††	Randolph	3,558	5	......	......	......	......	......	......	....	5.85	......	0.90	0	14	......	......	......	......	Miss Blanche Cromer
Clarksburg	Harrison	1,015	9	78.3	......	99	1	52	12	41	5.49	......	1.50	0	12	16	12	3	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	8	......	......	......	......	......	......	....	5.86	......	2.68	0	12	17	13	1	sw.	George W. Blair
Creston	Wirt	640	29	77.5	+2.8	101	16	50	11	41	1.88	−2.31	0.76	0	8	13	8	10	......	J. M. Reed
Dam 10 Mon. R.	Marion	826	10	......	......	......	......	......	......	....	4.03	......	0.81	0	11	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	15	......	......	......	......	......	......	....	3.63	−0.01	2.76	0	5	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	15	......	......	......	......	......	......	....	3.42	−0.57	1.50	0	8	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	10	......	......	......	......	......	......	....	3.51	......	0.75	0	10	......	......	......	......	Lockmaster
Davis††	Tucker	3,093	22	......	......	......	......	......	......	....	6.02	+0.81	1.08	0	15	......	......	......	......	Ross C. Male
Elizabeth (Dam 3 L. K)	Wirt	615	19	......	......	......	......	......	......	....	6.03	+1.56	2.61	0	6	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	30	73.0	+2.7	93	2	50	12	37	5.27	−0.11	1.37	0	13	9	14	8	nw.	U. S. Weather Bureau
Fairmont	Marion	883	25	79.8	+5.8	102	2	55	12	39	3.77	−0.68	1.54	0	12	17	11	3	w.	J. C. Robinson
Glenville	Gilmer	738	37	79.5	+4.3	103	2	54	11	38	4.03	−1.20	0.85	0	9	23	5	3	w.	Howard R. Brannon
Grafton	Taylor	1,000	38	77.2	+4.7	100	2	53	12	39	4.79	+0.08	1.28	0	10	19	0	12	......	W. E. Clayton
Horner	Lewis	1,044	8	......	......	......	......	......	......	....	4.49	......	1.60	0	9	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	6	......	......	......	......	......	......	....	6.23	......	2.75	0	12	11	7	13	w.	J. W. White
Janelew (near)	Lewis	1,020	8	77.8		99	2	52	11	40	3.55	......	1.45	0	7	20	9	2	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	33	75.8	+3.7	96	1†	50	12	40	4.92	+0.28	1.01	0	11	22	3	6	w.	Allen Smith
Mannington	Marion	985	28	74.7	+3.0	95	2†	50	26	36	2.40	−2.44	0.60	0	9	18	8	5	w.	Jas. A. Morgan
Morgantown††	Monongalia	1,250	38	75.6	+2.2	96	2	53	12	32	4.20	−0.60	0.82	0	12	15^{a}	7^{a}	8^{a}	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	33	^{a}77.0	+4.2	99^{a}	1	52	12†	39^{a}	2.55	−1.55	1.04	0	8	11	12	8	s.	C. H. Hesse
New Martinsville	Wetzel	634	37	79.2	+4.1	102	2	52	26	43	4.05	−0.63	0.80	0	8	16	12	3	s.	Wm. Ankrom
Parkersburg	Wood	638	44	79.9	+4.2	99	1	57	12	30	2.62	−1.67	1.21	0	8	13	8	10	se.	U. S. Weather Bureau
Parsons ††	Tucker	1,649	31	75.2	+4.6	97	2†	52	13	42	5.73	+0.56	......	0	8	15	11	5	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	5	......	......	......	......	......	......	....	5.65	+0.58	2.08	0	15	19	11	1	......	Robert T. Deem
Philippi	Barbour	1,550	34	......	......	......	......	......	......	....	4.42	−0.61	1.12	0	10	......	......	......	......	Prof. W. W. Thomson
Pickens	Randolph	2,697	28	77.9	+9.5	92	2	51	11	34	7.20	+0.88	1.74	0	12	25	6	0	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	8	......	......	......	......	......	......	....	4.40	......	1.24	0	9	25	1	5	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	......	......	......	......	......	......	....	4.77	−0.20	1.38	0	13	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	22	......	......	......	......	......	......	....	0.93	−3.35	0.29	0	9	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	30	70.7	+2.5	91	2	44	11	34	4.10	−1.19	0.72	0	14	5	18	8	nw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	2	......	......	......	......	......	......	....	5.00	......	1.52	0	12	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	8	77.2	......	97	2†	53	11†	37	4.61	......	1.32	0	9	18	6	7	w.	J. C. Campbell
Wellsburg	Brooke	668	24	77.2	+5.0	104	2	45	12	48	2.34	−2.06	1.24	0	11	19	8	4	w.	George P. Pfister
West Milford	Harrison	979	6	......	......	......	......	......	......	....	6.54	......	2.00	0	10	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	36	78.4	+4.2	100	1†	55	25	33	3.35	−1.63	1.05	0	11	12	17	2	......	Weston State Hospital
Wheeling	Ohio	645	44	78.5	+3.9	105	1†	47	12	47	3.86	−0.61	2.62	0	7	14	15	2	se.	Miss M. B. Forsyth
Woodlands	Marshall	637	4	......	......	......	......	......	......	....	3.20	......	0.96	0	9	16	6	9	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	5	......	......	......	......	......	......	....	4.88	......	1.30	0	14	18	10	3	n.	H. S. Sutton
Bancroft	Putnam	574	27	78.7	+4.2	99	2	55	12	40	4.82	+0.65	1.40	0	10	24	0	7	ne.	R. E. Dent
Beckley	Raleigh	2,440	28	75.6	+2.0	94	2	49	11	38	5.52	+1.11	0.99	0	10	13	16	2	......	L. A. Mauck
Bluefield ^{e}	Mercer	2,558	36	74.6	+3.1	93	1†	51	11	32	9.52	+5.11	3.10	0	16	17	4	5	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	16	......	......	......	......	......	......	....	5.64	......	1.80	......	6	......	......	......	......	Miss Katie Jarvis
Charleston ^{a}	Kanawha	600	28	81.0	+4.3	108	3	58	11†	42	10.74	+6.53	2.10	0	12	18	0	12	......	R. O. Fields
Clay	Clay	706	15	......	......	......	......	......	......	....	4.71	+0.36	1.42	0	12	......	......	......	......	Chilton Wilson
Dam 6 G. K	Kanawha	598	5	......	......	......	......	......	......	....	7.56	......	1.79	0	13	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	15	......	......	......	......	......	......	....	3.72	−0.40	1.14	0	8	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	15	......	......	......	......	......	......	....	3.93	+0.25	1.09	0	11	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	4	......	......	......	......	......	......	....	4.76	......	1.41	0	9	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	15	......	......	......	......	......	......	....	5.22	......	1.70	0	10	......	......	......	......	U. S. Engineers Office
Gary	Mc Dowell	1,426	15	76.5	+3.9	96^{a}	2	53^{a}	11	34^{b}	5.26	+1.17	1.48	0	21	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	34	78.4	+4.2	98	16†	57	11	32	6.15	+2.20	2.62	0	15	20	6	5	......	Mrs. M. L. McClung
Huntington	Cabell	538	34	80.8	+4.4	101	2	58	12	35	5.43	+1.24	1.40	0	9	16	12	3	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	12	......	......	......	......	......	......	....	3.80	−1.02	0.75	0	12	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	15	......	......	......	......	......	......	....	4.93	−0.55	1.24	0	11	......	......	......	......	Cabin Creek. Con Coal Co
Kermit	Mingo	579	5	......	......	......	......	......	......	....	9.82	......	2.50	0	9	......	......	......	......	E. B. Kirk
Kingston	Fayette	1,481	1	......	......	......	......	......	......	....	6.56	......	1.45	0	9	27	1	3	......	Claud J Wriston
Lewisburg	Greenbrier	2,250	31	^{b}75.2	+4.3	94	3	56^{b}	23†	31^{b}	......	......	......	......	......	......	......	......	......	Geo. T. Argabrite
Logan	Logan	700	28	......	......	......	......	......	......	....	4.18	−0.96	1.00	0	7	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	32	70.6	+3.0	94	18	50	12	34	4.51	−0.61	1.18	0	9	3	26	2	sw.	S. L. Brown
Point Pleasant	Mason	595	38	79.8	+3.5	103	16	53	12	39	7.00	+2.93	2.09	0	10	18	9	4	sw.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	1	71.8	......	91	1	48	11†	38	4.84	......	1.07	0	12	21	5	5	......	H. M. Word, Jr.
Ravenswood (Dam 22)	Jackson	584	8	79.6	......	101	2	54	12	35	3.84	−0.28	0.84	0	9	25	0	6	nw.	Lockmaster
Richwood	Nicholas	2,193	1	73.4	......	93	1	49	12	39	5.70	......	2.14	0	14	18	8	5	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	31	78.6	+3.3	101	2	53	12	37	3.14	−0.53	0.65	0	8	21	0	10	......	M. Frazier
Ryan	Roane	700	28	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	Wm E. Ryan
Sharples	Logan	889	11	......	......	......	......	......	......	....	5.30	+0.34	1.48	0	9	......	......	......	......	R. W. Howard
Spencer	Roane	789	27	79.4	+6.0	101	16	53	11	38	4.45	+0.31	1.88	0	10	16	11	4	......	A. M. McKown
Sutton	Braxton	850	25	77.6	+2.8	98	2†	53	11	40	5.10	−0.45	1.15	0	8	21	0	10	......	C. B. Eakle
Union ^{d}††	Monroe	2,250	27	75.1	+3.7	95	1†	48	11	38	5.56	+1.63	2.15	0	11	2	24	1	......	W. M. H. Young
Wayne	Wayne	598	4	......	......	......	......	......	......	....	3.69	......	0.81	0	9	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	21	^{a}75.6	+4.2	97^{a}	29	52	10	36^{a}	4.30	+0.44	0.75	0	13	26	4	1	......	A. P. Spence
Williamson	Mingo	673	31	81.6	+5.7	102	2†	60	11†	36	6.47	+2.11	2.04	0	12	14	15	2	sw.	J. E. Dotson
State averages and	extremes	......	....	76.8	+4.0	108	3	42	12	48	4.78	+0.12	4.32	0	10	17	9	5	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters. ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for July, 1931

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard||||	Potomac			.48	.09		.50	.02			1.70					T	.31		.53			.38	.03							T	.10	.27	4.41
Brandywine	do		.30	.75	T	T.	.15				.75	.35	.10				.10			.15	.05	.50	.05	.45	.25				T.				3.95
Harpers Ferry ||||	do		.69					1.05			.62	.01					.31	.10	.64			.68	.69		.35	.42					.15		5.71
Kearneysville	do		.62	.02			.36	.19			.17					.60	.28	.31	.70		.75	.23	.99	T.		.38				.05			5.65
Martinsburg ||||	do	.30	.15	.02			.23	.45			.18	.45					.40	.25	.75		T.	.25	.40								.11		3.94
Moorefield	do		.32	.66			.62			.24	1.00								1.25			T.	.28								.12	.05	4.54
Piedmont	do		.57		.56		.39			.22	.67					.02	.31	.09	.02			.37	.01							.28			3.51
Romney||||	do		.90	.40	.53			1.25			.49						.07	1.04			.70	.31		.38					.33	.13			6.56
Stony River Dam	do		.11	.10	.07		.02	.52			.76	.46					.39		.30				.40										3.13
Upper Tract	do					1.06			1.20	1.50												T.								T		.10	3.86
Wardensville||||	do		.10	.07		.76	T.	.42			.18	.89					.16	.08	.30	1.23	.43	.58	.27	T.							.30	.05	5.82
Northern Division																																	
Aberdeen	Monongahela		T.	.21	.01		.22				1.04							.60				1.26	.21	.35	T.							.03	3.93
Alma (near)	Ohio		.79	.26	.02		.03				.52						.05	.57			.32	.52		.04									3.12
Alpena	Monongahela		.13	.12	.08	.44		T.		.04	.70					T.	.03	.17		T.	.15		.60	.30	.02						.95	1.32	5.05
Benson	do			.10			.15			1.08	.49							.25				1.45		.72								.24	4.48
Bens Run	do										.25						.06				.41	.25	.02	.12									1.11
Brownsville	do			.16			.21			T.	.71	.02				.60		.48				.88	.30	.60	.09								4.65
Bruceton Mills	do		2.00				1.19			.13	1.22					T.	.39	.05			.33	.56								.08	.21		6.19
Buckhannon	do						T.			T.	1.82						.60				1.30	.73	T.	.22								2.10	6.77
Cairo	Little Kanawha		.17	.20							1.34	.06						.47			.70	.87	.13	.33	.23								4.50
Cheat Bridge||||	Monongahela			.41	.65	.25	.10	.39			.24	.44							.30	.90	.59	.20	.46	.06	.86								5.85
Clarksburg||||	Little Kanawha		.06	.32	.09			.29		1.23	.19	.35						.52				1.50	.39	T.	.04							.51	5.49
Crawford||||	do		.54				.75				2.68						.29	.02	.07		.05	.46	.72	.19	.07							.02	5.86
Creston||||	Monongahela				.16						.19	.17						.18				.76	.25	.06	.11								1.88
Dam 10, Mon. R.||||	Ohio			.17			.26	.46			.18	.56						.81				.38	.72		.21	.11						.17	4.03
Dam 12, O. R.||||	do			.45								.04										.21	2.76									.17	3.63
Dam 13, O. R.||||	Monongahela			.46			.06					.07							.02		.52	.72	1.20									.37	3.42
Dam 15, Mon. R.||||	do			.04	.18		.47	.32			.20	.25						.55				.75	.52		T.						T	.23	3.51
Davis ||||	do		T.	.05	.86	.14	.18	.53			1.08	.70					.37	.36	.23			.01	.58		.07						.03	.83	6.02
Elizabeth (D'm 3 LK)	Little Kanawha										.11	.07										1.40	1.64		.20							2.61	6.03
Elkins***	Monongahela		1.32	.28	.07		.52			.31	.70					T.	.22				.17	.29	.06	.22						T.	.65	.46	5.27
Fairmont||||	do			.03	.02	T.	.38	.32			.25	.26						.44				1.03	.51	.12	.01							.40	3.77
Glenville ||||	Little Kanawha			.63			.60				.63	.22				T.		.28				.59	.30	.56	.22								4.03
Grafton ||||	Monongahela				.96		.30				.70					.08	.20		.04		1.28	.36		.10						T.	.77		4.79
Horner	do		.19				.21				1.15					.25	.09					1.60		.45	.07							.48	4.49
Horton	do		.28	.66			.38				1.40					.04	T.		.03		.12	.09	.24	.16	.08							2.75	6.23
Janelew (near)	do		15				.35				1.00							.10				1.45		.25								.05	3.35
Lost Creek	do		.15	.06	T.		.62			.08	1.01						.98				.88	.55	.10	.42								.07	4.92
Mannington	do		.23	.13			.60				.46										.36	.28	.01		T.					T.	.06	.27	2.40
Morgantown	do	.10	.30	.10			.82				.55						.40	T		T.	.42	.80	T.		.11	.15				T.	.15	.30	4.20
New Cumberland||||	Ohio		.06	T.													.52		.25			.25	1.04	.38		T					.02	.03	2.55
New Martinsville	do			.40			.35					.30									.80	.60		.10							.70	.80	4.05
Parkersburg* **	do		T.	.06		.01					.24						.29	T	T.		.76	.49	T.	.61								.16	2.62
Parsons	Monongahela				.15					*	3.08					.13					*	.79	.21							1.37			5.73
Parsons No. 2	do		.10	.03	.32		.32			.04	2.01					.16	.03		.44		.12	.41	.15	.01							.66	.85	5.65
Philippi	do			.07	1.12		.13				.20	.64						.80				.54	.56		.10							.26	4.42
Pickens	do		.92	.07	.20		1.10				1.60						.22		.19		.09	1.74	.30	.72	.05								7.20
Roanoke	do		.05				.95				1.24							.17				.75	.25	.90	.05						.04		4.40
Rowlesburg||||	do		.02	.82	.08			.04			.30	.60						1.38	.04			.46	.48	.04	.02							.49	4.77
Saint Marys||||	Ohio			.03			T.				.22	.04						.01	.02			.29	.21	.08	.03	T.							0.93
Terra Alta	Monongahela		.29	.06	T.	.01	.27			.24	.72						.56	.25			.48	.48	.16	.02	T.					.02	.54		4.10
Thomas ||||	do		.03	.04	.18		.40	T.			1.52	T.					.10	.53	.47			.09	.95								.09	.60	5.60
Valley Chapel	do			.15			.63			.08	1.32							.17				1.08	.60	.22	T.							.36	4.61
Vandalia	do						1.37				1.55					.41	.96		.04		.51	.41	.59	.28									5.12
Wellsburg	Ohio		.04	.09			.13				T.					.06		.04	.08		.36	1.24	T.		.11	.09						.10	2.34
West Milford	Monongahela		.40		.10		.10			.39	1.25						1.10					2.00	.35	.40								.45	6.54
Weston	do			.05			.40	.05			.50	.35					.05	.05			1.05	.35	.30	.20									3.35
Wheeling||||	Ohio			.41								.03					T.		.02	.08		.40	2.62									.30	3.86
Woodlands||||	do			.25			.01				.01	.22						.25	T.			.70	.50		.30						.96		3.20
Southern Division																																	
Arbovale	Great Kanawha		.02	.56	T.	T.	.81			.25	.55	.18				T.	.05		.12	.21	.49	.24	.07	1.30						.30			4.88
Bancroft ||||	do						.25	.27				.45					.35	.35	.20			1.40	.43	.62	.50								4.82
Beckley	do			.99			.98			.88	.10								.51		.06	.34	.40	.55	.71							T.	5.52
Bluefield	do		.13	.23			.20	.03	T.	T.	.26			.13		.15		.46	.54		1.50	1.08	.14	.49	.88	T.			3.10		.20		9.52
Camden-on-Gauley||||	do			.96				.67			1.59							.22			.40				1.80								5.64
Charleston ||||	do			2.10			.96	.06		.90	.22	.48						.54	1.00			1.04	.38	1.35	1.71								10.74
Clay||||	do			.10			.23	.07			.58	.53						.42	.19		.22	.48	.32	.15	1.42								4.71
Dam 6 G. K ||||	do			.05			1.03	.06		.80		.56					.22	.15	.31			1.00	.27	1.30	1.79	.02							7.56
Dam 19 O. R. ||||	Ohio			1.14			.11				T.	.25						.22	T.	T		1.04	.28	.08	.60								3.72
Dam 20 O. R. ||||	do			.24	.02		.10				.17	.44						1.09	.05			.48	.30	.30	.74								3.93
Dam 25 O. R. ||||	do						.10					.20					.16	.79	.18			.81	.31	.80	1.41								4.76
Dam 26 O. R. ||||	do						.45					.10					.02	1.56	.10	.02		1.70	.64	.13	.50								5.22
Gary ||||	Big Sandy	.10	.01	.01	.26	.01	.07	.02	.31	.01	.27	.01				.01			1.48		.04	1.10	.35	.74	.36	.01		.02	.07				5.26
Hinton||||	do		.12	.07	.20		.01	.07			.78	.10				.34		.02	2.62		.26	.61	.06	.52	.37						T.		6.15
Huntington ||||	Ohio				.31		.20				1.05							.22	.99			1.40	.45	.47	.34							T.	5.43
Kanawha Falls||||	Great Kanawha			.11	.05		.30	.45			.12	.12						.10	.65			.25	.63	.75		.27							3.80
Kayford||||	do				.29		.51	.26			.25	.30							.30			.17	.76	1.24	.75	.10							4.93
Kermit||||	Big Sandy				1.90		2.02	.02	.96													1.25	.25	.68	2.50						.24		9.82
Kingston	Great Kanawha			1.10			.94			.31					.20				1.10		.24	.42		1.45			.80						6.56
Lewisburg	do																																......
Logan||||	Guyandotte				.90		1.00												.35			.54	.12	.30	.97								4.18
Marlinton	Great Kanawha		T.	.72		T.	.80				.96	T.					.04					.06	.24	.94				.31	.44				4.51
Point Pleasant||||	Ohio						.17					.10					.02	.97	.21	.05		1.53	.28	1.58	2.09								7.00
Rainelle	Meadow Creek		1.07	.01	T.	T.	.56			.08	.16							.27		.47	T.		.23	.86	.63	.42						.08	4.84
Ravenswood (Dam 22)	Ohio						.03				.06	.53						.12	.53			.84	.26	.75	.72								3.84
Richwood ||||	Great Kanawha		T.	T.	T.	.26	.46			2.14	.49	.01			.03		.12	.20	.03		.03	.19	.22	1.01	T.		T.	.51				T.	5.70
Robertsburg||||	do						.65					.27						.46	.04			.48	.33	.47	.44								3.14
Ryan	do																																......
Sharples||||	Coal River						1.48			.60					*	*	*	*	1.13			.56	.33	.57	.63								5.30
Spencer ||||	Great Kanawha			.03	.17		.36	.04		T.	T.	T.				T.		.28	.16			.82	.37	.34	1.88								4.45
Sutton	Gauley						.79				.80							1.15				.30	.20	.50	.85							.60	5.10
Union	do		.05	.24			.24	T.			.12					T.	.15	T	1.56			.10		.37	.56				.02			2.15	5.56
Wayne||||	Big Sandy					.07						.53				.12		.71	.16			.81	.28	.45	.56								3.69
White Sulpr. Spgs.||||	Great Kanawha				.75	.10	.40			.20	.25						.30	.50		.20	.30	.05	.40	.75					.10				4.30
Williamson||||	Big Sandy				1.28	T.	.79	.43	.04		T.					T.			.17	.01	.02	1.03	.12	.51	2.04	.03							6.47

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.
*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for July, 1931

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	92	92	89	82	81	82	82	86	82	74	77	80	87	89	83	89	89	78	90	89	80	79	78	81	80	84	89	88	89	90	89	84.5
	Minimum	58	62	60	62	65	62	57	54	53	58	48	42	45	55	63	66	61	64	60	61	65	59	56	57	54	43	46	52	52	71	60	57.1
Brandywine	Maximum	93	90	91	89	80	85	84	87	82	80	75	80	82	87	90	89	91	89	90	91	85	80	85	84	84	85	82	89	92	94	95	86.5
	Minimum	65	66	65	66	67	64	61	62	58	64	50	54	55	62	65	64	63	65	62	65	63	56	59	57	54	60	59	62	57	65	64	61.3
Kearneysville	Maximum	98	93	83	81	85	86	88	91	88	75	83	84	88	96	93	94	89	88	91	92	91	87	89	86	84	87	91	94	96	95	88	88.8
	Minimum	69	69	70	71	68	67	70	65	69	66	57	56	58	71	66	70	66	69	69	70	63	65	65	65	66	59	61	68	69	73	75	66.6
Martinsburg‖	Maximum	102	93	90	86	90	93	95	94	88	72	87	92	100	92	96	97	92	98	95	94	93	92	92	90	88	90	96	97	100	99	..	92.8
	Minimum	69	69	71	70	73	73	74	76	69	66	59	59	68	76	70	70	67	70	70	68	70	68	67	65	67	58	60	66	67	72	74	68.4
Moorfield	Maximum	101	100	95	92	88	93	93	94	93	85	85	89	92	101	98	101	98	91	98	96	94	91	92	90	89	92	97	98	101	101	97	94.4
	Minimum	67	69	65	69	70	68	67	64	64	58	54	57	56	67	65	68	64	65	65	59	68	61	62	60	58	52	58	62	57	70	68	63.1
Piedmont	Maximum	99	97	89	86	81	88	87	90	86	76	81	83	88	93	89	95	91	87	93	95	87	86	86	86	85	87	93	96	95	96	93	89.2
	Minimum	65	69	65	68	71	69	66	62	61	64	56	51	54	63	69	69	66	68	67	69	69	62	63	63	57	52	54	60	60	71	69	63.6
Romney‖	Maximum	98	97	91	88	81	92	90	93	86	85	85	92	98	91	98	88	88	95	94	89	87	88	86	89	93	96	97	97	..	..	..	91.1
	Minimum	67	67	62	67	68	69	69	63	63	64	52	55	65	68	71	65	67	66	68	67	61	61	61	60	54	61	63	65	69	..	..	64.1
Upper Tract	Maximum	90	90	89	81	79	78	87	85	79	72	74	84	89	89	90	..	90	88	88	..	90	90	80	82	..	86	..	89	89	90	90	85.6
	Minimum	65	65	61	60	60	61	55	54	60	60	60	61	50	68	62	..	63	66	62	..	65	64	60	57	..	55	..	57	57	58	60	60.2
Wardensville	Maximum	100	95	90	92	80	89	90	92	86	77	83	84	98	95	91	90	91	91	93	92	89	78	85	..	86	87	92	95	94	95	..	89.7
	Minimum	69	60	65	72	68	66	66	59	61	63	53	53	53	64	61	66	63	67	64	64	65	59	60	59	..	51	50	59	62	69	68	62.0
Northern Division																																	
Alpena	Maximum	89	94	86	82	79	78	80	83	83	72	75	79	81	86	82	80	86	87	87	87	81	77	75	78	80	80	85	86	85	87	84	82.4
	Minimum	59	63	62	63	60	63	55	56	56	52	44	43	48	56	61	65	58	65	57	60	62	58	53	57	52	47	50	52	54	64	61	56.6
Bens Run	Maximum	101	105	99	94	96	91	93	95	96	85	89	92	100	101	98	103	98	89	100	95	83	90	80	90	92	94	97	100	97	100	96	94.8
	Minimum	71	74	71	72	71	72	63	65	65	62	58	57	64	68	72	69	69	70	69	74	67	64	65	63	58	57	59	68	67	74	71	66.7
Buckhannon	Maximum	90	92	88	84	84	89	82	85	83	71	75	79	84	86	83	89	86	82	84	87	80	80	76	80	79	84	85	86	88	90	89	83.9
	Minimum	69	73	70	72	67	70	61	65	64	63	54	54	57	64	67	67	66	71	67	67	68	64	61	61	60	56	57	68	64	71	70	64.8
Cairo	Maximum	97	99	98	92	92	91	90	93	89	87	83	94	94	96	93	97	93	90	95	93	82	85	78	86	85	90	92	93	94	96	96	91.4
	Minimum	66	71	67	68	66	72	57	60	60	60	53	51	51	63	65	65	68	69	66	69	69	62	62	61	57	52	55	63	61	69	69	62.8
Clarksburg ‖	Maximum	99	98	92	89	92	85	89	96	83	77	88	86	95	97	93	97	98	85	96	94	82	86	77	87	85	91	96	98	93	96	92	90.7
	Minimum	66	71	68	70	67	74	60	61	62	65	54	52	55	64	68	67	67	70	65	70	69	63	62	60	56	53	55	62	62	72	67	65.9
Creston	Maximum	99	99	94	92	93	90	90	90	89	85	85	89	96	95	96	101	95	90	97	94	80	87	84	87	87	86	92	95	95	98	98	91.9
	Minimum	66	70	67	68	67	70	57	61	60	61	50	51	55	61	64	64	67	68	66	68	69	63	63	63	58	60	53	63	61	70	72	63.1
Elkins	Maximum	91	93	88	85	83	78	82	87	86	72	76	80	89	89	85	90	88	80	89	89	81	81	78	81	80	84	88	88	89	90	87	84.7
	Minimum	65	64	66	68	69	66	59	62	59	57	51	50	52	60	65	65	63	67	64	66	63	62	62	59	57	52	56	57	59	70	66	61.3
Fairmont‖	Maximum	101	102	98	91	92	85	93	96	88	82	87	90	97	100	96	100	98	89	99	95	83	88	82	89	91	95	98	99	97	98	92	93.3
	Minimum	68	74	69	72	69	73	66	64	65	66	57	55	58	67	71	71	68	71	68	73	70	62	64	62	67	56	59	65	66	72	70	66.4
Glenville	Maximum	100	103	96	96	95	94	92	96	92	86	87	89	95	96	94	100	98	94	97	97	95	90	90	88	88	93	95	96	95	98	100	94.4
	Minimum	67	74	68	72	70	72	62	64	66	63	54	56	57	58	65	66	68	70	68	69	69	65	62	63	61	57	60	62	63	65	68	64.6
Grafton	Maximum	99	100	97	91	90	84	89	93	86	76	82	86	92	95	90	97	92	90	94	94	82	85	80	87	88	93	94	95	94	95	93	90.4
	Minimum	67	71	71	67	66	71	64	62	62	65	56	53	55	63	66	66	66	70	66	70	69	64	61	64	59	54	58	61	61	69	68	64.0
Lost Creek	Maximum	96	96	94	89	90	88	90	92	84	79	82	85	90	95	87	96	92	96	90	93	80	84	75	85	87	92	94	91	91	94	92	89.3
	Minimum	65	70	66	69	68	65	58	60	61	63	52	50	54	64	68	65	65	65	64	69	68	62	61	60	55	52	55	61	60	72	68	62.4
Mannington	Maximum	93	95	89	86	88	85	84	88	82	79	78	81	88	91	86	95	90	86	91	90	80	83	78	81	81	86	88	91	91	94	88	86.6
	Minimum	66	72	68	70	66	71	63	62	60	64	55	51	56	62	67	66	67	68	66	68	66	61	63	58	54	50	52	60	60	67	67	62.8
Morgantown	Maximum	94	96	89	85	89	82	85	89	83	72	75	82	89	92	86	93	90	88	91	89	80	82	78	83	83	85	91	92	91	94	85	86.5
	Minimum	68	69	66	70	70	69	65	63	62	61	56	53	61	72	72	70	69	69	67	69	62	61	63	59	56	55	59	65	67	74	68	64.8
New Cumberland‖	Maximum	99	98	92	94	92	84	88	88	86	78	80	88	94	97	91	94	97	89	94	89	77	85	85	84	84	93	98	96	93	94	..	90.0
	Minimum	71	71	69	69	70	72	62	62	59	65	54	52	55	61	61	69	68	70	71	66	72	61	64	58	52	58	58	62	69	70	63	64.0
New Martinsville	Maximum	100	102	97	97	98	93	92	97	92	87	88	93	98	99	98	101	97	89	101	92	82	89	82	91	90	93	98	101	97	97	93	94.3
	Minimum	69	70	68	69	69	72	62	62	61	61	55	62	60	65	69	66	67	68	66	71	64	61	61	61	55	52	55	63	63	70	67	64.0
Parkersburg	Maximum	99	98	93	90	92	86	89	91	86	81	83	86	96	97	92	98	92	89	96	93	80	88	75	85	85	89	93	95	95	97	95	90.5
	Minimum	72	77	72	74	73	70	64	67	67	61	58	57	67	77	73	72	71	72	72	72	67	68	66	65	62	60	63	68	70	79	73	68.7
Pickens	Maximum	91	92	87	84	84	77	83	84	84	69	81	87	89	85	86	89	88	82	88	89	78	89	76	80	81	83	87	87	90	90	91	84.9
	Minimum	65	64	65	65	64	63	55	58	59	57	57	57	61	61	64	62	69	64	60	63	62	59	56	58	55	55	56	59	60	67	67	60.9
Terra Alta	Maximum	90	91	88	82	80	81	80	85	82	71	75	78	85	87	79	87	88	76	87	85	76	77	75	78	77	82	87	86	86	89	86	82.5
	Minimum	66	61	65	65	64	59	56	54	59	51	44	48	57	66	67	64	65	64	65	66	57	59	57	51	45	48	55	54	70	64	59	58.9
Wellsburg	Maximum	101	104	85	94	97	87	93	94	89	80	85	92	99	100	91	97	101	89	101	92	78	90	90	86	85	94	98	98	95	98	92	92.8
	Minimum	68	69	68	61	67	72	61	58	53	62	50	45	65	73	63	63	65	67	60	69	62	59	64	57	52	49	50	59	62	68	65	61.5
Weston	Maximum	100	100	96	90	90	88	86	90	85	80	80	84	90	95	95	98	95	90	93	96	90	85	80	85	88	89	96	95	96	98	97	91.0
	Minimum	69	75	70	72	69	72	60	62	61	60	59	58	64	68	66	72	73	70	71	68	64	62	61	59	55	59	65	63	72	73	72	65.9
Wheeling‖	Maximum	105	105	98	97	98	88	95	98	90	83	90	93	97	102	89	102	100	86	101	96	80	89	90	89	96	97	98	99	101	102	96	95.2
	Minimum	65	72	66	63	69	69	60	59	55	59	50	47	60	62	65	66	65	66	65	67	68	58	60	60	51	50	62	60	64	69	64	61.8
Southern Division																																	
Beckley	Maximum	93	94	93	92	91	91	90	90	89	88	87	87	88	89	90	92	92	91	93	92	91	90	89	88	88	88	88	88	91	92	92	90.2
	Minimum	64	66	67	62	65	67	63	61	59	58	49	52	57	64	60	61	59	65	64	62	65	60	58	60	58	57	57	64	62	70	67	61.4
Bluefield	Maximum	93	93	86	..	..	83	82	85	85	77	79	..	85	88	89	91	90	88	..	88	81	82	83	82	81	..	85	89	89	90	90	82.7
	Minimum	66	68	70	..	..	65	65	65	61	60	51	..	57	64	62	59	65	66	..	63	65	62	59	61	64	..	61	64	64	70	66	60.9
Charleston ‖	Maximum	105	105	108	84	92	87	96	100	94	84	90	92	101	102	100	103	98	94	101	96	84	88	90	87	..	95	96	98	96	100	101	95.6
	Minimum	71	71	71	70	70	70	64	65	65	65	58	58	59	64	66	67	70	70	68	71	67	67	64	64	67	..	59	67	66	68	73	66.5
Gary ‖	Maximum	95	96	92	83	87	82	86	87	88	77	83	86	90	91	91	93	92	..	92	92	84	85	86	83	84	85	89	90	90	92	92	88.1
	Minimum	69	70	69	69	66	72	68	69	63	63	53	54	56	62	63	65	66	68	..	68	67	65	62	63	66	65	62	63	66	67	67	64.9
Hinton ‖	Maximum	96	93	88	88	86	89	88	94	89	84	86	91	90	89	95	98	97	90	95	91	85	90	89	86	89	87	94	95	95	98	93	90.9
	Minimum	68	70	70	68	67	71	66	67	64	65	57	59	58	64	65	66	68	69	67	68	68	64	62	64	66	64	63	65	67	69	70	65.8
Huntington	Maximum	98	101	96	92	92	88	90	93	89	88	86	92	98	98	95	99	97	96	96	94	88	91	88	87	86	90	94	95	97	98	98	93.2
	Minimum	73	74	75	74	75	74	64	67	65	64	60	58	63	72	69	69	70	71	71	73	71	67	65	67	62	60	64	70	69	74	74	68.5
Lewisburg	Maximum	93	90	94	83	85	83	84	87	89	84	81	87	89	91	88	92	93	90	90	90	89	81	85	81	82	86	89	90	92	88	89	87.6
	Minimum	..	..	66	65	65	70	61	62	62	60	59	67	69	60	60	63	64	61	60	62	66	63	56	60	59	56	58	63	69	64	67	62.7
Marlinton	Maximum	92	86	80	84	74	78	82	84	82	72	74	80	86	84	88	88	90	94	84	86	82	78	80	76	80	78	84	82	86	90	92	83.1
	Minimum	64	62	60	62	66	61	56	58	60	56	56	60	52	56	54	56	62	64	58	62	60	56	52	54	54	56	52	54	60	62	62	58.0
Point Pleasant	Maximum	99	101	100	96	97	93	91	95	91	90	90	91	100	100	99	103	98	94	96	95	85	92	93	86	88	90	95	96	98	98	100	94.8
	Minimum	68	70	71	72	69	70	60	63	60	60	55	53	61	68	67	65	66	68	68	70	66	64	62	63	58	56	60	65	66	70	72	64.7
Rainelle	Maximum	91	90	88	84	80	81	84	84	84	74	78	82	88	88	90	86	89	85	89	89	86	83	84	80	81	82	87	87	89	90	90	85.3
	Minimum	61	61	63	61	61	68	55	60	55	60	48	48	50	51	62	60	60	60	62	64	63	61	54	58	57	54	57	59	58	60	58	58.4
Ravenswood	Maximum	100	101	99	94	94	91	92	97	92	88	85	89	97	98	99	100	95	95	96	94	81	89	85	85	85	90	92	94	95	96	97	93 1
	Minimum	69	73	71	72	70	73	68	63	62	62	55	54	62	68	68	67	69	70	69	71	69	67	62	64	59	57	61	66	66	71	74	66.2
Richwood	Maximum	93	88	88	89	88	81	83	87	85	74	72	83	89	91	87	91	90	89	91	89	83	83	83	81	83	83	89	87	89	92	89	86.1
	Minimum	65	65	65	64	65	65	60	61	58	61	51	49	50	58	58	63	64	67	64	66	65	64	55	59	59	59	54	61	60	65	66	60.8
Robertsburg‖	Maximum	100	101	95	97	90	82	82	81	85	86	90	81	96	95	96	97	99	84	98	96	85	90	90	87	77	93	95	97	98	100	98	91.6
	Minimum	69	69	71	71	68	70	60	63	65	68	56	53	59	69	66	65	67	70	67	71	69	65	63	63	61	58	62	68	66	71	73	65.7
Ryan	Maximum		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Spencer ‖	Maximum	98	99	93	92	95	87	91	94	89	83	85	90	97	98	96	101	91	89	98	96	81	89	86	87	87	92	93	95	95	97	98	92.3
	Minimum	69	72	70	77	69	77	59	64	63	66	53	54	59	66	67	66	70	70	69	71	70	66	63	63	60	66	62	66	65	72	74	66.4
Sutton	Maximum	97	98	98	94	92	92	90	90	85	85	81	85	94	95	95	[illegible]	96	96	96	92	93	93	88	88	86	87	88	93	94	96	96	91.9
	Minimum	67	60	62	68	67	70	62	64	63	62	53	54	54	62	64	66	65	70	66	67	66	65	59	61	56	63	[illegible]	64	62	70	67	63.2
Union	Maximum	95	95	87	82	..	78	86	90	89	80	85	..	92	92	92	94	92	91	..	92	88	83	85	85	85	..	89	91	93	97	93	88.5
	Minimum	65	66	66	64	..	60	63	62	63	63	48	..	54	58	58	59	60	63	..	66	62	65	63	58	60	..	57	66	70	70	66	61.7
White Sulphur Spgs.	Maximum	93	92	92	89	87	87	90	87	77	85	87	90	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	89.2
	Minimum	65	65	62	67	67	60	60	62	62	52	55	54	60	60	62	64	66	65	65	[illegible]	[illegible]	68	63	60	59	56	63	66	67	68	67	62.1
Williamson‖	Maximum	100	102	101	83	97	92	87	95	93	89	90	96	95	98	96	98	102	101	90	98	94	82	94	92	90	93	97	99	100	100	99	94.7
	Minimum	71	74	70	72	69	73	68	70	67	66	60	60	61	67	68	71	71	71	71	70	69	67	64	66	69	64	66	69	70	74	71	68.4

‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.303	.282	.250	.224	.199	.266	.076	.255	.332	.162	.117	.202	.228	.230	.277	.152	.273	.245	.150	.244	.218	.121	.222	.041	.244	.280	.218	.257	.257	.243	.275	6.843
	Wind movement	16	27	33	32	32	34	12	29	28	46	22	17	18	15	32	32	22	26	28	17	34	39	44	29	26	30	23	12	18	37	60	870

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 8-25-31—900)

U N W E

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

THE
OCT 12 1931

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

HENRY C. HOWE, Meteorologist

VOL. XXXIX PARKERSBURG, W. VA., AUGUST, 1[illegible] No. 8

GENERAL SUMMARY

The past month was the wettest August since 1926 and was the fourth wettest August of State record. The rainfall at two stations was more than ten inches. At twelve stations the fall was eight inches or more. At Kanawha Falls 5.25 inches fell in the 24 hours ending on August 21. However, owing to long continued dry weather no flood stages were reached. Some damage was caused by washing and there were complaints of shocked grains sprouting in the fields. The temperature for the month averaged practically normal, the month being nearly equally divided into cool and warm weather periods. No damaging storms were reported and no station reported hail. It was a month of excellent growth. The wheat crop was good and at the close of the month corn was generally in excellent condition and the fruit crop was large. Owing to low prices, caused by an overloaded market, large quantities of apples and peaches will rot in the fields.

TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 71.6°. The departure from the normal for 47 stations having ten or more years of record was +0.2°. The temperature was generally considerably above the normal from the 1st to the 9th and the 13th to the 19th, with the highest readings occurring generally on the 1st, 2d, 3d, 7th and 8th. The weather was cool from the 10th to the 14th and mostly cool from the 20th to the end of the month, the lowest readings occurring on the 24th and 30th.

PRECIPITATION

The average precipitation for the State, determined from 86 stations, was 6.38 inches. The departure from the normal for 60 stations having ten or more years of record was +2.22 inches. The precipitation was greatest over the central counties and least over the northwest counties. Most of the precipitation was received from the 1st to the 4th, 9th to the 13th, 19th to the 22d, and from the 25th to the 29th, the greatest amounts being recorded on the 10th and 20th-23d.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, 10th; Arbovale, 1st, 3d, and 24th; Brandywine, 28th; Elkins, 1st, 6th, 7th, 13th, 14th, 16th, 17th, 18th, and 24th; Hinton, 3d, 7th, 8th, 14th, 17th, and 25th; Mannington, 6th, 7th, 11th, 12th, 14th, 15th, 17th, and 24th; Marlinton, 4th, 6th, 7th, 8th, 13th, 15th, 17th, 18th, 25th, 26th, and 30th; New Cumberland, 6th, 17th, and 24th; Parkersburg, 17th; Pickens, 10th; Pt. Pleasant, 17th; Richwood, 24th; Terra Alta, 2d, 3d, 5th, 10th, 12th, and 27th; Wellsburg, 7th; Wheeling, 7th, 15th, 16th, 17th, 18th, 23d, 24th, and 26th; Williamson, 11th and 17th.

MISCELLANEOUS PHENOMENA (Continued)

Frost, light: Bayard and Horton, 30th.

Thunderstorms (dates and number of stations reporting): 1st, 10; 2d, 9; 3d, 7; 4th, 5; 5th, 2; 7th, 2; 9th, 5; 10th, 4; 11th, 1; 12th, 2; 18th, 1; 19th, 6; 25th, 7; 26th, 8; 27th, 6; 28th, 5; 29th, 1; 30th, 5.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio	30.05	86	60	68	279.9	66	3,382	4.5	24	nw.	3
Columbus, Ohio	30.03	80	62	66	191.2	45	4,802	6.5	37	w.	9
Elkins	30.08	93	62	79	205.8	49	2,243	3.0	22	nw.	28
Lexington, Ky	30.07	82	60	....	191.5	45	6,481	8.7	29	nw.	3
Parkersburg	30.07	84	64	76	189.6	45	2,788	3.7	20	nw.	10
Pittsburgh, Pa	30.04	80	56	64	213.9	50	4,838	6.5	26	n.	29
Wytheville, Va	30.05	88	62	80	207.0	49	2,866	3.9	21	w.	28

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	69.8	......	......	5.48							
1892	72.1	96	41	2.55	......	......	......	......	......	......	......
1893	70.8	98	41	3.38	......	......	......	7	......	......	......
1894	71.5	103	38	2.07	......	......	......	......	......	......	......
1895	73.3	104	40	3.01	5.15	0.27	......	6	14	12	5
1896	72.6	97	40	2.82	7.69	1.15	......	8	15	11	5
1897	70.9	100	42	2.91	5.69	0.88	......	7	15	12	4
1898	73.7	96	44	7.51	5.93	0.77	......	9	13	14	4
1899	73.5	100	34	2.64	11.57	4.40	......	12	12	12	7
1900	**76.0**	100	45	3.15	6.37	0.34	......	6	15	11	5
1901	73.6	98	43	5.14	7.20	1.03	......	8	17	10	4
1902	70.4	98	35	2.40	13.70	1.64	......	12	10	13	8
1903	71.4	105	38	2.64	6.05	0.97	......	7	15	13	3
1904	70.7	95	32	2.88	5.85	0.99	......	8	12	13	6
1905	71.3	96	40	4.25	6.71	0.67	......	9	15	10	6
1906	75.4	98	47	5.15	8.32	1.32	...	9	14	11	6
1907	69.4	93	41	4.64	10.72	2.18	......	13	10	13	8
1908	70.9	101	37	2.82	10.12	1.55	......	11	13	10	8
1909	70.8	99	37	3.03	5.63	0.84	......	7	15	10	6
1910	70.8	98	39	2.03	5.79	0.81	......	6	16	10	5
1911	73.5	105	40	6.71	5.58	0.70	......	5	17	10	4
1912	69.3	95	35	3.64	12.14	2.38	......	12	13	10	8
1913	72.7	102	37	3.18	11.70	0.25	......	11	10	13	8
1914	71.8	100	40	4.86	8.20	0.79	......	6	19	7	5
1915	69.4	99	36	4.84	9.29	1.38	......	10	15	9	7
1916	72.9	104	40	4.76	8.36	2.46	......	14	10	11	10
1917	71.6	102	39	3.53	15.35	1.46	......	10	14	9	8
1918	**76.0**	110	43	3.96	8.80	0.94	......	8	17	8	6
1919	70.2	100	40	4.54	9.15	0.63	......	9	17	8	6
1920	71.1	95	42	4.27	8.67	0.95	......	11	16	9	6
1921	69.7	98	37	5.20	9.28	1.69	......	14	9	10	12
1922	68.9	98	31	3.87	9.46	2.13	......	9	16	8	7
1923	71.0	99	33	4.39	7.51	1.20	......	10	14	9	8
1924	71.7	104	34	4.63	12.42	1.60	......	10	15	8	8
1925	70.7	100	33	1.86	9.34	0.69	......	9	18	8	5
1926	74.0	105	38	6.94	4.92	0.20	......	7	18	8	5
1927	**67.1**	94	**34**	4.33	**15.36**	2.95	......	13	13	7	11
1928	74.0	103	39	5.36	8.03	1.34	......	11	12	9	10
1929	69.1	101	33	3.31	8.43	1.85	......	14	11	8	12
1930	70.7	**112**	**30**	2.20	5.75	**0.14**	......	7	16	8	7
1931	71.6	102	39	6.38	5.07	0.70	......	8	15	8	8
1891-1931	71.6	112	30	3.98	10.63	1.62	......	14	11	9	11

Climatological Data for August, 1931

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	30	66.2	+0.4	90	2†	39	30	41	6.36	+1.32	1.06	0	15	21	5	5	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	15	68.3	−1.6	92	3†	42	30	39	5.10	+1.97	1.00	0	15	13	1	17	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	42	....	....	....	....	....	....	....	2.89	−0.90	0.45	0	13	....	....	....	....	J. C. Newcomer
Kearneysville	Jefferson	548	1	73.7	....	97	8	54	24†	33	1.62	....	0.41	0	13	9	14	8	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	39	^{a}74.7	+1.8	100^{a}	3†	54	30	36	5.11	+1.34	1.35	0	16	17	13	1	se.	Dr. H. S. Gardner
Moorefield	Hardy	900	35	73.7	+0.3	100	3	48	28†	40	7.30	+4.25	2.08	0	11	24	1	6	....	M. S. Henkel
Piedmont	Mineral	1,053	18	72.2	+1.9	96	3†	47	30	36	4.57	+1.18	1.41	0	13	9	9	13	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	33	^{b}72.6	0	96^{b}	2†	49^{a}	30	36^{c}	4.83	+1.16	1.16	0	12	9^{b}	8^{b}	12^{b}	....	George E. Bergdoll
Stony River Dam	Grant	3,300	11	....	....	....	....	....	....	....	4.74	+0.15	1.08	0	13	5	10	16	w.	A. C. Becker
Upper Tract	Pendleton	1,230	32	^{e}67.6	−2.6	90^{d}	3	44^{e}	30	32^{e}	6.32	+3.13	1.75	0	7	....	....	....	....	J. M. Mallow
Wardensville	Hardy	1,200	14	^{a}71.3	....	94^{a}	8	45	30	35^{a}	5.13	....	1.65	0	16	9^{c}	10^{c}	9^{c}	....	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	7	....	....	....	....	....	....	....	6.93	....	1.23	0	14	7	16	8	w.	L. Else Bond
Alma (near)	Tyler	800	4	....	....	....	....	....	....	....	6.99	....	1.38	0	19	11	8	12	....	D. N. Furbee
Alpena	Randolph	2,571	1	64.4	....	87	7†	39	30	37	6.10	....	1.35	0	16	10	15	6	w.	Christian Hertig
Benson	Harrison	1,080	7	71.4	....	95	1†	45	30	35	6.52	....	1.90	0	15	7	19	5	....	John A. Clark
Bens Run	Pleasants	652	29	75.3	+1.9	101	8	51	30	33	6.15	+1.89	1.85	0	13	12	12	7	....	J. D. Riggs
Brownsville	Lewis	1,032	8	70.8	....	95	2	44	30	35	5.96	....	1.36	0	17	11	11	9	....	George M. Meyers
Bruceton Mills ††	Preston	1,549	14	....	....	....	....	....	....	....	....	....	....	0	..	..	..	..	....	Mrs. H. R. Muldoon
Buckhannon	Upshur	1,411	34	69.6	−0.3	88	1†	47	21	30	7.07	+3.02	1.45	0	15	14	6	11	....	H. A. Darnall
Cairo	Ritchie	680	30	72.0	−0.5	95	7†	47	30	36	7.34	+3.53	2.46	0	15	10	13	8	....	Eureka Pipe Line Co.
Cheat Bridge††	Randolph	3,558	5	....	....	....	....	....	....	....	10.65	....	1.79	0	20	....	....	....	....	Miss Blanche Cromer
Clarksburg	Harrison	1,015	9	72.2	....	98	8	46	30	35	8.48	....	2.25	0	17	11	8	12	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	8	....	....	....	....	....	....	....	6.95	....	1.98	0	18	8	15	8	w.	George W. Blair
Creston	Wirt	640	29	72.0	−1.2	94	1†	47	30	34	6.60	+2.77	2.00	0	13	12	4	15	....	J. M. Reed
Dam 10 Mon. R.	Marion	826	10	....	....	....	....	....	....	....	5.47	....	1.11	0	15	....	....	....	....	Lockmaster
Dam 12 O. R.	Ohio	660	15	....	....	....	....	....	....	....	4.16	+0.17	0.97	0	11	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	15	....	....	....	....	....	....	....	4.46	+0.51	0.92	0	12	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	10	....	....	....	....	....	....	....	6.56	....	1.87	0	16	....	....	....	....	Lockmaster
Davis††	Tucker	3,093	22	....	....	....	....	....	....	....	5.45	+0.52	1.80	0	17	....	....	....	....	Ross C. Male
Elizabeth (Dam 3 L. K)	Wirt	615	19	....	....	....	....	....	....	....	8.08	+3.53	2.00	0	7	....	....	....	....	Lockmaster
Elkins	Randolph	1,947	30	68.2	−0.9	90	2	44	30	32	6.33	+2.47	2.31	0	15	3	13	15	w.	U. S. Weather Bureau
Fairmont	Marion	883	25	74.4	+1.9	99	8	50	30	36	6.40	+2.67	2.03	0	16	10^{b}	10^{b}	9^{b}	w.	J. C. Robinson
Glenville	Gilmer	738	37	74.5	+0.6	97	6†	50	30	34	7.09	+3.02	2.02	0	17	11	10	10	w.	Howard R. Brannon
Grafton	Taylor	1,000	38	71.8	−0.4	96	6†	46	30	35	7.26	+3.31	1.66	0	17	16	0	15	....	W. E. Clayton
Horner	Lewis	1,044	8	....	....	....	....	....	....	....	6.27	....	0.90	0	13	....	....	....	....	Foster R. Hardman
Horton	Randolph	2,840	6	....	....	....	....	....	....	....	6.13	....	0.98	0	15	10	5	16	w.	J. W. White
Janelew (near)	Lewis	1,020	8	72.6	....	95	2†	47	24†	33	7.02	....	1.45	0	11	16	9	6	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	33	70.2	−0.5	93	7	46	30	37	6.83	+2.73	1.58	0	15	11	8	12	w.	Allen Smith
Mannington	Marion	985	28	70.5	+0.3	92	2†	46	30	29	5.29	+1.21	0.98	0	18	11	6	14	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	38	71.2	−0.8	93	2†	53	30	31	5.79	+1.67	1.00	0	14	11	10	10	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	33	^{a}72.8	+2.1	98^{a}	7	53	24†	35^{a}	6.53	+3.17	1.70	0	13	8	10	13	s.	C. H. Hesse
New Martinsville	Wetzel	634	37	74.0	+0.4	100	7	48	30	38	7.40	+3.83	1 05	0	15	13	3	15	s.	Wm. Ankrom
Parkersburg	Wood	638	44	73.8	−0.1	97	8	53	30	30	4.70	+1.19	0.82	0	15	7	8	16	se.	U. S. Weather Bureau
Parsons ^{d}	Tucker	1,649	31	70.2	+0.9	97	7	44	31	39	6.85	+2.87	....	0	14	12	9	6	....	J. W. Swisher
Parsons No. 2	Tucker	1,649	5	....	....	....	....	....	....	....	6.87	+2.89	1.45	0	18	13	11	7	....	Robert T. Deem
Philippi	Barbour	1,550	34	....	....	....	....	....	....	....	6.62	+2.52	1.95	0	15	....	....	....	....	Prof. W. W. Thomson
Pickens	Randolph	2,697	28	^{c}66.2	−0.3	88^{c}	6†	43^{c}	24†	33^{c}	10.63	+5.24	2.13	0	14	16^{a}	8^{a}	6^{a}	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	8	....	....	....	....	....	....	....	6.76	....	1.65	0	18	13	6	12	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	....	....	....	....	....	....	....	6.57	+2.42	1.78	0	15	....	....	....	....	Walter H. Bolyard
Saint Marys	Pleasants	577	22	....	....	....	....	....	....	....	4.67	+0.09	1.20	0	13	....	....	....	....	Wm. Hughes
Terra Alta	Preston	2,559	30	65.3	−1.6	88	2†	43	29	34	6.55	+1.53	1.60	0	17	1	15	15	sw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	2	....	....	....	....	....	....	....	5.79	....	1.86	0	18	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	8	72.2	....	97	9	48	30†	32	8.00	....	1.42	0	14	11	11	9	w.	J. C. Campbell
Wellsburg	Brooke	668	24	72.6	+2.4	101	8	48	24†	40	6.05	+2.29	1.65	0	13	11	9	11	w.	George P. Pfister
West Milford	Harrison	979	6	....	....	....	....	....	....	....	6.25	....	1.55	0	15	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	36	73.0	+0.4	97	2	49	30	32	7.21	+3.25	1.60	0	16	4	23	4	....	Weston State Hospital
Wheeling	Ohio	645	44	^{a}73.1	+0.3	100^{a}	2†	41	30	42^{a}	4.07	+0.51	0.82	0	11	11	9	11	w.	Miss M. B. Forsyth
Woodlands	Marshall	637	4	....	....	....	....	....	....	....	8.80	....	2.99	0	15	11	9	11	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	5	....	....	....	....	....	....	....	7.08	....	2.09	0	18	12	12	7	w.	H. S. Sutton
Bancroft	Putnam	574	27	72.6	−0.4	94	1	51	30	31	6.01	+1.63	1.60	0	16	16	0	15	ne.	R. E. Dent
Beckley	Raleigh	2,440	28	71.2	−1.0	94	1	43	24	40	5.98	+2.65	1.04	0	15	11	15	5	....	L. A. Mauck
Bluefield ^{e}	Mercer	2,558	36	69.3	−1.2	89	3	48	31	33	5.86	+1.83	1.21	0	14	11	7	8	....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	16	....	....	....	....	....	....	....	9.96	+4.79	1.86	0	10	....	....	....	....	Miss Katie Jarvis
Charleston	Kanawha	600	28	^{b}75.9	+0.7	102^{b}	2	53	24†	35^{b}	6.22	+1.74	1.10	0	15	12	0	19	....	R. O. Fields
Clay	Clay	706	15	....	....	....	....	....	....	....	7.36	+2.73	2.10	0	10	....	....	....	....	Chilton Wilson
Dam 6 G. K	Kanawha	598	5	....	....	....	....	....	....	....	4.54	....	0.93	0	15	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	15	....	....	....	....	....	....	....	7.54	+3.51	1.80	0	15	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	15	....	....	....	....	....	....	....	8.03	+3.73	2.04	0	14	....	....	....	....	Lockmaster
Dam 25 O. R.	Mason	565	4	....	....	....	....	....	....	....	5.96	....	2.52	0	12	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	15	....	....	....	....	....	....	....	3.56	+0.12	1.00	0	13	....	....	....	....	U. S. Engineers Office
Gary	Mc Dowell	1,426	15	72.0	+0.2	92	1	51	30	30	5.07	+0.26	1.09	0	19	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	34	73.4	+1.8	96	8	52	30	34	5.83	+1.92	1.30	0	13	17	8	6	....	Mrs. M. L. McClung
Huntington	Cabell	538	34	75.6	+1.0	98	1	52	30	29	3.75	−0.02	0.94	0	15	9	13	9	w.	H. N. Robinson
Kanawha Falls	Fayette	618	12	....	....	....	....	....	....	....	10.21	+5.56	5.25	0	14	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	15	....	....	....	....	....	....	....	7.61	+2.41	2.12	0	14	....	....	....	....	Cabin Creek. Con Coal Co
Kermit	Mingo	579	5	....	....	....	....	....	....	....	6.68	....	1.75	0	11	....	....	....	....	E. B. Kirk
Kingston	Fayette	1,481	1	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	Claud J Wriston
Lewisburg	Greenbrier	2,250	31	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Geo. T. Argabrite
Logan	Logan	700	28	....	....	....	....	....	....	....	5.07	+1.04	1.86	0	14	....	....	....	....	J. R. Wampler
Marlinton	Pocahontas	2,131	32	65.1	−1.2	88	2	42	24†	34	6.06	+1.17	1.16	0	16	4	22	5	sw.	S. L. Brown
Point Pleasant	Mason	595	38	74.2	−0.6	97	1†	47	30	33	4.32	+0.98	1.37	0	14	10	8	13	sw.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	1	67.2	....	90	2	41	30	36	9.40	....	2.87	0	18	18	3	10	....	H. M. Word, Jr.
Ravenswood (Dam 22)	Jackson	584	8	73.8	+1.0	97	1	50	29	31	6.04	+2.30	1.95	0	14	12	0	19	ne.	Lockmaster
Richwood	Nicholas	2,193	1	68.0	....	90	8	44	31	36	7.88	....	1.75	0	17	11	8	12	....	Cherry River Paper Co.
Robertsburg	Putnam	570	31	75.0	+1.1	98	3†	50	30	37	5.10	+1.62	1.28	0	11	16	0	15	....	M. Frazier
Ryan	Roane	700	28	71.1	−0.6	95	1†	45	30	35	6.61	+2.55	2.00	0	15	10	12	9	....	Wm E. Ryan
Sharples	Logan	889	11	....	....	....	....	....	....	....	8.50	+3.81	2.10	0	10	....	....	....	....	R. W. Howard
Spencer	Roane	789	27	73.2	+1.0	96	1†	50	30	32	6.08	+2.33	1.32	0	16	11	14	6	....	A. M. McKown
Sutton	Braxton	850	25	72.4	−0.9	96	2†	46	30	33	8.25	+3.90	2.20	0	16	16	0	15	....	C. B. Eakle
Union ††^{e}	Monroe	2,250	27	70.0	−0.2	92	8†	45	24†	38	4.51	+0.69	1.30	0	11	7	13	6	....	W. M. H. Young
Wayne	Wayne	598	4	....	....	....	....	....	....	....	9.01	....	1.41	0	15	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	21	^{a}69.6	−0.8	93^{a}	1†	44	23	34^{a}	4.25	+0.67	1.00	0	13	25	4	2	....	A. P. Spence
Williamson	Mingo	673	31	76.0	+1.3	99	3	56	30	33	6.44	+2.58	1.74	0	18	8	15	8	sw.	J. E. Dotson
State averages and	extremes	....	....	71.6	+0.2	102	2	39	30	42	6.38	+2.22	5.25	0	14	11	9	11	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for August, 1931

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖‖	Potomac		T.		.30					.13	.43		.11							1.02	1.06	1.03	.47	.07		.11		.46	.72	.20	.08	.17	6.36
Brandywine	do	.20	.30		1.00						T	.10	.20	.10						.35	.50	.85	.65	.10			.10	.40	.05	.20			5.10
Harpers Ferry ‖‖	do					.04					.25	.29	.30							.35	.03	.23	.11	.46			.24	.16	.28	.13	T		2.87
Kearneysville	do									.07	.05	.11	.02						.09	.04	.03	.41	.31			.15	.01	.03		.30			1.62
Martinsburg ‖‖	do					.10					1.05	.35	.03	.07		.08				.10	.05	.25	.25	.40	.02		1.85	.08	.03	.40			5.11
Moorefield	do	.36			.14	1.05					T.		.16						.20	.10	2.08	1.20	1.86	.04				.11					7.30
Piedmont	do		.10		.35	.20					.19		.03				.22			.20	.45	1.41						1.02	.28		.04	.08	4.57
Romney‖‖	do			1.16	.05	.27					.02									.54	.58	.97	.30	.34				.20		.35		.05	4.83
Stony River Dam	do			.31							.02	.42	.12	.28							.36	1.08	.72	.60				.05	.06	.62		.10	4.74
Upper Tract	do	.60	1.25		T.			.02												1.75		1.50	1.00	.20		T.							6.32
Wardensville‖‖	do	T			.18	1.65					.07	.04	.08	.03						.15	.27	.71	.49	.61	.05	.31		.18	T.	.21		.04	5.13
Northern Division																																	
Aberdeen	Monongahela	.43	.06		.31	T.					1.22		.07							.98	.76	1.23	.23	T.		.25	.32	.60	.20	.27			6.93
Alma (near)	Ohio	.21	.17	.10	.35					.39	.01		.12	.16						1.24	1.05	1.38	.01	.01			.46	.49	.60	.05	.11	.08	6.99
Alpena	Monongahela	.22	T.		.14	.20				.37	.19		.14							.66	.90	1.35	.60			.03	.04	.03	.70	.19		.01	6.10
Benson	do		.19		.65						.60		.02	.05						.50	.60	1.90	.10	.01			.65	.84	.28	.04	.06		6.52
Bens Run	do			.17	.03					.20	.02		.05	.62						.56	1.85	1.05					.58	.37	.50		.15		6.15
Brownsville	do	.02	.30		.30	.02					.35		.04	.06						1.36	.63	1.10	.20	.02		.12	.12	.67	.29	.36			5.96
Bruceton Mills	do																																
Buckhannon	do	.16	T.	.35	.48				.24	.52		.18								1.40	.85	1.45	.25	T		.05	T	.32	.25	.47		.10	7.07
Cairo	Little Kanawha	.09	.18	.37	.04					.39	.02			.20						.85	1.66	2.46	.06	.02		.08		.76	.16				7.34
Cheat Bridge‖‖	Monongahela		.60	1.04	.46	.15				.05	1.41	.10	.15	.36	.01					1.75	1.79	.75	.76	.04			.20	.31	.37	.33	.02		10.65
Clarksburg‖‖	Little Kanawha	2.25	.03		.47						.64	.04		.18						.33	.85	1.98	.08	.06	.01		.32	.75	.32	.07		.10	8.48
Crawford‖‖	do	.04	.13	.02	.32	1.33				.04			.10	.12						.85	.26	1.98	.36	.04		.12	.39	.38	.41	.09			6.95
Creston‖‖	Monongahela	.55	.17		.30						.55			.10						.08	.82	2.00	.55		.15		.28	.55	.50				6.60
Dam 10, Mon. R.‖‖	Ohio			.04	.38	.08					1.11	.09		.09						.16	.19	.91	.44				.05	.64	.61	.33		.35	5.47
Dam 12, O. R.‖‖	do			.26	.49						.32	.04		.97						.82		.30						.17	.11	.29		.39	4.16
Dam 13, O. R.‖‖	Monongahela				.34						.92	.04		.60						.10	.54	.35	.10					.15	.10	.84		.38	4.46
Dam 15, Mon. R.‖‖	do		.15	.27	.28	.31					.30	.03		.12						.30	.24	1.87	.32				.02	.98	.73	.20		.44	6.56
Davis ‖‖	do				.22						.05	.69	.05	.05						.02	.33	1.80	.37	.52	.01	.01	.03	.10	.16	.84		.20	5.45
Elizabeth (D'm 3 LK)	Little Kanawha		1.37								1.30			.80							1.03	2.00	.28					1.30					8.08
Elkins***	Monongahela	.10	T.	.15	.40					.13	.20		.13							1.01	1.03	1.64	.33	.07		.01	T.	.14	.41	.58	T.		6.33
Fairmont‖‖	do		.25	.60	.53	T.				T.	.02	.04		.16						.40	.21	2.03	.24	.01	T.		.02	.74	.38	.38		.39	6.40
Glenville ‖‖	Little Kanawha	.27	.59	.28	.51	.04				T.	.16	.04		.15						.06	.70	2.02	.51	.08			.16	.55	.31	.66			7.09
Grafton ‖‖	Monongahela		.20		.50					.14	.03		.15							.40	1.66	1.65	.08	.16		.03	.24	1.04	.54	.11	.13	.20	7.26
Horner	do				.16	.04					.65		.60				.64	.50		.49	.40	.55	.56					.63	.15	.90			6.27
Horton	do	.66	.27	.04	.18	.09				.04	.26		.18	.04						.87	.81	.98	.60		T	T.			.72	.39			6.13
Janelew (near)	do	.10	.10		.55						1.15									1.18	.79	1.45	.10			.05		1.30		.25			7.02
Lost Creek	do	.55	.09		.60					T.	.34		.07							.56	1.23	1.58	.04	.12		.20	.74	.56	T.	.09	.06		6.83
Mannington	do		.02	.01	.11					.14	.54		.15	.12						.48	.75	.98	.03	.02			.27	.54	.58	.06	.18	.31	5.29
Morgantown	do	T.	.08	.30	.15					.25	1.00	T.	T.							.60	.40	.90	.07	T.		T.	.30	.75	.60		.30	.09	5.79
New Cumberland‖‖	Ohio			T.	.03		.03				.93	.24	.02	2.06						1.70	.30	T.				.27		.55	.05	.03		.32	6.53
New Martinsville	do	.35			.85						.45		.10	.25						.90	1.05	.95	.05				.65	.20	.90	.05	.20	.45	7.40
Parkersburg***	do	.45	.14	.45	T.				.10	.63		.12	.06	.01						.57	.53	.57				.15	.31	.56	.05		T.		4.70
Parsons	Monongahela	*	1.68							*	*		*						*	*	*	*	3.75	.09			T.			*	*	1.33	6.85
Parsons No. 2	do	.21	.05		.10	.42				.33	.45		.06							.61	1.45	1.22	.47	.07		T.	.04	.50	.53	.28	.02	.06	6.87
Philippi	do				.25	.07					.12	.35		.14						.15	.95	1.95	.40	.10			.68	.42	.50	.50		.04	6.62
Pickens	do	2.14	.10	.05	1.14	.21			.20		1.16		.28								.98	.48	1.70	T.		.12	T.	T.	1.46	.62			10.63
Roanoke	do	.06	.04	.06	.45	.39				.02	.31		.12	.09						1.22	.42	1.65	.34	.05		.11		.72	.61	.10			6.76
Rowlesburg‖‖	do				.34					T.	.33	.14		.12						.08	.52	1.78	.65	.12	.05		.18	.52	.42	1.06		.26	6.57
Saint Marys‖‖	Ohio	T.	.09	T	.52						.33			.16	.02					.35	.75	1.20	.29				.03	.70	.20	.03		T.	4.67
Terra Alta	Monongahela	.02	.07	.87					T.	.72	.23		.04						.20	.48	1.60	.68	.16	.03	T.	.13	.20	.34	.45		.33		6.55
Thomas ‖‖	do		.04		.27	.05				.06	.04	.59	.04	.02						T.	.40	1.86	.38	.52		.06	.04	.12	.28	.89		.15	5.79
Valley Chapel	do	.31	.18		.86						1.33			.09						.61	1.25	1.42	.14	.10	T.		.57	.95	.15	.04			8.00
Vandalia	do		.17	.32		.41			.30		.35		.15							1.00	.35	1.63	.40			.25	.26	.66	.08				6.33
Wellsburg	Ohio			.17	T					.10	.30		T.	.91					.97	1.65	.40		.02			.44	.30	.06	.23		.50		6.05
West Milford	Monongahela	.10			.65					.30	.48		.10							.65	.90	1.55	.10	.05		.10	.35	.62	.20	.10			6.25
Weston	do	.42		.72	.41						.18	.32		.08						.08	1.54	1.60	.48	.04	.02		.18	.41	.61	.12			7.21
Wheeling‖‖	Ohio				.63						.63	.04		.72						.82		.45	.02				T.	.13	.17	.22		.24	4.07
Woodlands‖‖	do		T.		.70	.06					2.99	.03		.53	.01	.01				.85	.06	.87	.16					.90	.34	.67		.62	8.80
Southern Division																																	
Arbovale	Great Kanawha	1.40	2.09		.05	.05				.06	.15		.40			.22				.20	.86	.03	.85	.04		.04	.28	.02	.26	.08			7.08
Bancroft ‖‖	do		.38	.35	.50	.18							.78	1.60	.05					.05	.05	.79	.55	.05			.05	.38	.20	.05			6.01
Beckley	do	.11	1.00	.04	1.02						.05		.11							.82	.05	.77	1.04			.39	.06	.20	.04	.28			5.98
Bluefield	do			1.21	.61						.07		1.00							.29	.32	.71	.29		.69	.20	.12	.02	.05	.28			5.86
Camden-on-Gauley‖‖	do		1.86	.22	.34	1.10														1.20	1.42	1.83	1.10				.20			.69			9.96
Charleston ‖‖	do	.62	1.06	.02	.26	.08						1.04		.26							.05	.76	1.10	.14			.12	.06	.34	.30			6.22
Clay‖‖	do			.09	.89	2.10					.19			.32							.16	1.82	1.22	.31				.16	.10	T.			7.36
Dam 6 G. K. ‖‖	do	.41	.40	.04	.10	.15						.50		.25							.05	.90	.93	.10			.21	.18	.14	.18			4.54
Dam 19 O. R. ‖‖	Ohio	.67	T.	.11	.45	T.					1.79	T.	.25	.46	.04					.01	1.80	.89	.48				.17	.33	.07	.02			7.54
Dam 20 O. R. ‖‖	do	.42			.08	.02					2.04		.02	1.65	.02					.02	1.60	1.06	.46				.24	.38		.02			8.03
Dam 25 O. R. ‖‖	do		.09	.35	.13	.04					1.22			.30						.17	.08	2.52	.41				.30	.32					5.96
Dam 26 O. R. ‖‖	do	.11		.03	.23	.09					.56		.15	.32	.35					.23		1.00	T.				.10	.32		.07			3.56
Gary ‖‖	Big Sandy	.02		.89		.06	.01	.01		.01		.24		.94	.01	.02					.77	.21	.21	.49	.01		.02	.05		1.09	.01		5.07
Hinton‖‖	do		1.30	.17		.72						.03		.64							.30	.15	.70	1.17			.10	.05	.01	.49			5.83
Huntington ‖‖	Ohio	T.	.08	.35	.22	.02	T.		.06	.03	.30	T.	.15	.04					T	.38	.33	.67	.27				.38		.47				3.75
Kanawha Falls‖‖	Great Kanawha	.03	.02	.04	.31	.08						.85		.68							.38	5.25	1.36	.30				.10	.11	.70			10.21
Kayford‖‖	do	T.	.81	.11	.04	.29					T.	.80		1.25							.27	2.12	1.28	.40			.04	.12	.03	.05			7.61
Kermit‖‖	Big Sandy		.30	.55		.40		.42			.15			.48							1.10	1.15	1.34	.75			.04						6.68
Kingston	Great Kanawha																																
Lewisburg	do																																
Logan‖‖	Guyandotte		.19	.29		.13					.11		.10	.30		.04					.72	1.86	.90	.22			.38	.25		.08			5.57
Marlinton	Great Kanawha	.33	1.04		.28					.04	.36		.67							.24	.11	.86	1.16	.12		T.	.22	.04	.32	.23		.04	6.06
Point Pleasant‖‖	Ohio	T.	.20	.03	.41	.05					.75			.22	.10					.14	.05	1.37	.41				.26	.28	.05				4.32
Rainelle	Meadow Creek	.22	2.87		1.10					.02	.45	.02	.93	.05						.71	.05	.69	1.11	.08		.17	.01	.35	.07	.50			9.40
Ravenswood (Dam 22	Ohio			.04	.10	.02					1.66		.08	.65	.03					.09	.28	1.95	.49				.25	.28	.12				6.04
Richwood	Great Kanawha	.75	1.75		.15	.16				.05	.57	T.	.38	.20						.87	.03	.91	1.06	.10		.08	T.	.10	.22	.50			7.88
Robertsburg‖‖	do			.16	.91	.29					.66		.03	.37								1.28	.45				.11	.34	.50				5.10
Ryan	do	.02	.10	.08	.62					1.40		.03	.04						.01	.03	.67	2.00	.22				.77	.05	.57				6.61
Sharples‖‖	Coal River		.30	1.77									.78			.53					2.10	1.51	.61	.34	T.		.45	.11					8.50
Spencer ‖‖	Great Kanawha	.22	.02	.02	.56	.05				1.20										.05	.06	1.32	.72	.10	.04		.62	.67	.04	.39			6.08
Sutton	Gauley	.15	.25		.30	.95					.45		.10	.35						.45	.85	2.20	.45	.15		.10	.10	.90		.50			8.25
Union	do	T.		.85								.36	.04	.21						.18	.30	.12	1.30		.45			.23	T.	.47			4.51
Wayne‖‖	Big Sandy		.16	.64	.05	.88	1.07	1.05		1.06		.11		.65							.56	1.41	1.24				.06	.05	.02				9.01
White Sulpr. Spgs.‖‖	Great Kanawha	.30	.60		.35						.30	.10	.10							.15	.10	.50	1.00	.05		.20			.50				4.25
Williamson‖‖	Big Sandy		.05	.83	.04	.58	.05	.64		.36	.02	.03	.05	.18							.76	1.74	.55	.27			.01	.18		.10			6.44

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for August, 1931

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	84	90	87	84	86	89	90	90	85	82	68	68	80	81	85	85	85	87	80	69	60	59	63	74	77	78	73	80	74	75	76	77.8
	Minimum	68	59	65	64	64	51	49	54	58	61	50	51	49	45	50	48	49	50	62	57	55	53	52	42	53	53	53	44	59	39	52	53.5
Brandywine	Maximum	90	88	92	85	92	90	89	90	91	90	75	67	75	82	85	86	89	90	85	72	62	60	60	70	71	70	72	80	80	81	80	80.3
	Minimum	65	64	61	62	60	58	55	57	58	60	60	57	56	54	58	59	54	60	54	60	56	55	54	48	50	56	59	50	60	42	43	56.3
Kearneysville	Maximum	82	86	95	89	90	93	96	97	96	93	72	71	82	83	84	90	90	90	80	78	67	69	65	81	87	82	79	84	81	84	84	83.9
	Minimum	67	71	72	69	69	64	63	64	66	72	64	62	61	66	68	63	64	64	67	67	61	58	57	54	62	63	60	57	66	54	55	63.5
Martinsburg‖‖	Maximum	87	96	100	89	97	97	100	100	98	90	70	73	86	83	90	90	91	91	80	72	69	70	66	83	90	83	82	83	82	85	..	85.8
	Minimum	68	70	72	71	69	65	64	65	65	73	64	62	61	64	68	63	66	65	66	68	60	57	57	57	61	63	60	60	58	54	56	63.6
Moorfield	Maximum	86	95	100	92	92	96	97	98	98	93	80	71	87	89	92	93	89	93	83	83	67	67	67	83	89	84	92	87	85	80	87	86.9
	Minimum	68	66	68	65	64	61	66	65	68	71	62	62	62	67	61	62	58	60	66	53	58	58	58	52	58	62	52	48	52	48	54	60.5
Piedmont	Maximum	81	95	96	87	90	96	94	95	92	91	73	74	81	85	89	93	92	92	78	75	64	66	68	79	84	78	75	86	78	82	83	83.6
	Minimum	65	66	68	68	67	60	61	64	65	67	58	61	62	55	61	58	60	61	66	62	59	58	58	49	60	60	61	55	64	47	56	60.7
Romney‖‖	Maximum	84	96	95	85	91	93	96	96	93	92	70	74	85	87	91	..	93	92	88	69	63	65	67	84	87	80	80	88	81	84	..	84.4
	Minimum	66	68	69	66	66	62	61	61	65	71	60	61	59	56	61	59	..	59	65	66	59	57	57	53	62	61	60	52	60	49	54	60.8
Upper Tract	Maximum	74	79	90	89	85	82	89	89	..	79	78	79	79	79	..	82	81	79	76	74	71	59	60	..	74	..	80	79	78	75	78	78.4
	Minimum	65	62	..	63	62	60	57	58	..	67	65	56	56	55	..	56	55	54	57	56	54	55	53	..	46	..	56	50	60	44	54	56.8
Wardensville	Maximum	82	89	93	85	89	93	93	94	92	90	69	70	82	84	88	90	90	90	85	70	64	64	71	81	88	81	78	86	83	77	..	83.0
	Minimum	65	66	65	65	65	59	60	59	62	69	62	60	58	59	61	58	58	59	65	65	58	57	57	51	58	60	65	51	54	45	52	59.6
Northern Division																																	
Alpena	Maximum	86	82	83	81	82	84	87	87	82	79	67	63	75	79	81	80	81	81	73	66	57	57	67	73	74	74	72	78	70	72	71	75.6
	Minimum	61	61	59	59	61	52	50	54	59	58	53	54	49	48	50	51	49	57	60	56	52	51	52	42	50	52	53	47	56	39	52	53.1
Bens Run	Maximum	96	93	94	90	93	96	100	101	93	82	83	80	78	89	92	92	92	90	83	77	69	75	81	85	77	82	82	84	78	78	87	86.2
	Minimum	70	70	71	70	69	68	67	67	73	68	61	60	60	57	62	65	64	66	68	64	59	60	60	54	61	64	71	71	65	51	59	64.4
Buckhannon	Maximum	88	88	85	82	83	87	86	87	84	81	73	69	76	80	82	82	83	82	73	74	73	64	66	74	75	76	73	73	79	74	76	78.3
	Minimum	69	68	67	66	68	65	61	65	69	65	60	60	56	50	60	61	60	64	67	64	47	58	57	49	58	60	61	60	56	64	57	61.0
Cairo	Maximum	94	94	92	85	84	93	95	95	90	82	81	79	73	89	85	89	90	85	78	73	66	69	76	81	79	80	79	85	79	80	83	83.3
	Minimum	68	67	66	66	66	63	63	61	68	68	58	55	61	53	55	59	58	62	68	65	59	59	59	50	56	61	58	65	62	47	57	60.7
Clarksburg ‖‖	Maximum	95	95	92	88	89	97	95	98	92	82	76	74	79	89	93	91	91	89	77	69	65	67	72	81	78	81	79	84	77	80	83	83.8
	Minimum	67	67	67	64	69	65	62	64	67	70	58	56	56	55	58	61	59	61	66	64	58	59	58	52	56	60	59	55	64	46	56	60.6
Creston	Maximum	94	92	92	87	88	91	94	94	91	85	81	75	75	85	90	89	90	88	82	77	66	68	74	81	80	73	79	81	80	81	85	83.6
	Minimum	68	68	65	67	65	64	63	61	68	67	58	55	59	52	56	58	58	61	65	61	59	59	58	53	57	60	61	59	62	47	58	60.4
Elkins	Maximum	88	90	87	84	85	89	88	90	86	82	72	65	76	82	85	84	84	84	71	68	63	61	66	74	76	78	75	81	74	76	77	78.7
	Minimum	67	64	65	62	65	60	57	61	65	61	57	58	54	53	56	58	56	57	65	61	56	56	53	47	55	58	55	52	52	44	58	57.7
Fairmont‖‖	Maximum	95	98	94	91	92	95	98	99	94	86	80	77	83	92	95	94	95	95	81	70	65	67	71	83	79	82	81	88	83	78	82	85.9
	Minimum	68	69	69	69	70	67	65	67	70	73	60	56	58	56	61	62	61	64	67	66	58	59	58	54	60	63	63	63	64	50	56	62.8
Glenville	Maximum	96	96	96	93	92	97	97	97	92	92	83	77	80	90	94	92	93	89	87	80	68	69	70	82	82	83	82	85	81	84	86	86.6
	Minimum	64	66	67	67	68	67	66	67	70	68	60	56	58	57	60	63	62	64	67	66	60	60	55	62	54	61	62	60	66	50	60	62.4
Grafton	Maximum	94	94	93	88	90	96	95	96	89	77	80	73	80	89	91	92	92	90	85	75	64	67	70	78	79	81	78	85	80	78	80	83.8
	Minimum	68	66	66	67	67	64	62	65	66	67	58	56	55	54	59	58	58	59	60	63	58	58	58	51	57	61	59	55	59	46	57	59.9
Lost Creek	Maximum	91	90	89	84	89	91	93	92	91	84	76	72	78	85	87	90	92	85	81	73	65	64	68	79	74	65	77	76	80	75	80	81.2
	Minimum	66	65	67	64	68	63	70	62	67	65	57	55	55	51	56	57	55	59	65	64	58	58	56	49	57	60	58	54	56	46	55	59.3
Mannington	Maximum	90	92	90	82	85	91	90	92	89	80	77	74	75	82	84	86	86	87	85	75	65	67	73	77	74	78	75	82	76	73	76	80.9
	Minimum	65	67	66	68	67	63	62	63	65	66	57	56	58	53	57	58	58	60	66	64	58	58	59	51	56	62	60	60	62	46	53	60.1
Morgantown	Maximum	91	93	90	83	83	91	91	93	89	81	73	75	78	80	85	86	88	86	88	88	64	72	70	79	77	79	74	82	75	76	75	81.8
	Minimum	64	68	71	68	67	64	65	66	71	64	56	54	55	55	55	55	59	64	64	61	57	55	57	51	61	61	60	57	63	53	55	60.5
New Cumberland‖‖	Maximum	92	96	89	89	91	94	98	97	87	76	78	80	75	86	88	89	90	91	81	74	74	76	80	85	82	74	78	79	77	69		83.8
	Minimum	64	73	73	63	63	63	63	63	71	68	59	59	62	57	60	59	60	65	65	64	61	59	56	53	57	59	63	59	62	57	53	61.8
New Martinsville	Maximum	93	97	94	88	93	99	100	99	99	83	83	76	77	87	89	93	92	93	82	80	68	72	80	86	82	83	83	84	92	83	87	87.0
	Minimum	67	67	68	69	68	66	64	61	68	65	58	56	62	55	61	62	61	61	65	64	58	58	58	53	50	63	61	57	61	48	55	61.0
Parkersburg	Maximum	94	94	92	83	86	93	92	97	87	80	79	75	75	82	85	90	90	85	78	71	68	71	78	85	74	79	79	85	79	80	84	83.0
	Minimum	71	72	69	70	68	66	68	68	72	65	62	61	62	57	63	66	64	69	70	63	61	62	61	55	66	64	63	64	59	53	64	64.5
Pickens	Maximum	87	87	85	82	83	88	88	82	..	79	72	64	72	82	84	84	81	..		68	68	61	62	72	74	75	72	78	72	76	75	76.9
	Minimum	64	67	59	60	64	57	56	60	..	61	54	50	48	49	55	55	59	..	..	63	49	54	52	43	53	55	54	52	59	43	57	55.4
Terra Alta	Maximum	86	88	84	81	85	88	85	87	81	78	67	67	74	77	82	86	82	84	70	64	59	60	63	73	74	72	70	77	71	73	71	76.1
	Minimum	51	67	64	64	53	54	58	60	66	51	55	50	48	52	50	52	57	62	59	53	54	51	45	51	58	55	46	58	43	54	47	54.5
Wellsburg	Maximum	94	99	95	91	94	97	100	101	98	79	78	82	77	88	91	92	93	94	82	71	73	75	80	87	80	75	80	81	79	72	83	85.8
	Minimum	60	68	71	65	55	64	60	64	68	64	57	55	62	53	56	56	57	64	65	64	60	56	50	48	58	58	61	54	60	48	63	59.5
Weston	Maximum	96	97	92	90	90	95	95	94	92	88	78	75	74	86	90	90	92	88	82	76	70	67	70	80	79	80	81	84	81	79	80	84.2
	Minimum	68	65	68	65	68	65	63	66	69	70	60	65	57	54	60	61	60	63	67	65	65	58	60	51	58	60	60	58	55	49	58	61.7
Wheeling‖‖	Maximum	98	100	95	87	94	99	99	100	91	76	82	85	76	89	92	95	95	94	82	71	72	74	84	89	80	79	80	83	82	75	..	86.6
	Minimum	63	65	69	67	52	66	65	64	65	67	57	52	62	53	60	60	60	62	66	60	62	60	62	54	54	57	59	54	59	41	50	59.6
Southern Division																																	
Beckley	Maximum	94	93	91	91	90	89	89	92	92	91	91	90	88	88	87	87	86	86	85	83	81	80	78	77	77	78	78	80	79	78	81	85.5
	Minimum	67	66	64	62	64	63	55	57	57	64	59	53	54	48	56	58	55	61	64	59	58	55	52	43	53	57	58	54	61	44	46	57.0
Bluefield	Maximum	88	..	89	87	84	85	86	87	..	87	73	71	74	80	82	..	86	86	81	74	75	62	..	75	79	80	76	79	74	..	81	80.0
	Minimum	68	..	63	64	65	65	58	60	..	68	59	55	51	53	63	..	60	62	64	58	59	53	..	49	51	59	61	50	54	..	48	58.6
Charleston ‖‖	Maximum	100	102	98	94	96	98	90	91	96	90	90	78	78	92	93	98	97	96	86	76	66	68	74	88	..	..	88	89	87	88	94	89.0
	Minimum	71	70	68	69	69	68	65	63	66	73	62	60	60	58	60	64	62	63	67	66	61	59	56	53	55	60	62	61	63	53	60	62.8
Gary ‖‖	Maximum	92	90	89	89	86	88	90	90	89	89	78	76	77	84	87	88	87	85	82	77	74	62	71	77	81	81	79	82	76	79	82	82.6
	Minimum	68	68	66	67	69	68	63	63	64	70	64	60	57	56	57	60	65	65	65	63	64	59	55	54	54	55	61	58	59	51	53	61.3
Hinton ‖‖	Maximum	90	88	95	88	94	94	93	96	94	90	76	72	84	88	92	93	91	91	82	80	65	61	71	80	81	84	85	85	81	84	89	85.1
	Minimum	70	70	67	67	68	66	63	62	63	70	64	59	57	57	58	64	64	65	68	65	64	57	55	54	56	58	61	57	60	52	55	61.8
Huntington	Maximum	98	96	93	89	88	94	94	95	91	84	83	78	76	83	89	92	92	86	86	82	71	74	81	85	80	83	82	85	83	81	88	85.9
	Minimum	75	73	69	70	70	70	67	69	75	72	64	62	63	58	63	66	64	69	69	67	61	61	60	57	63	65	63	64	66	52	61	65.4
Lewisburg	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Marlinton	Maximum	86	88	84	82	82	84	86	84	82	84	68	64	72	76	78	84	80	80	76	74	62	54	66	72	74	76	72	76	70	72	76	76.3
	Minimum	64	60	62	60	60	56	52	54	54	62	56	55	48	50	54	56	54	56	58	60	54	50	48	42	48	52	54	48	54	42	48	53.9
Point Pleasant	Maximum	97	97	94	92	90	96	95	96	94	90	80	79	76	84	90	91	92	90	82	76	68	74	80	85	84	81	84	85	81	82	90	86.3
	Minimum	70	69	68	67	67	65	64	63	73	69	60	58	60	55	58	63	62	67	67	65	58	58	56	53	58	60	60	61	60	49	60	62.0
Rainelle	Maximum	85	90	87	85	80	84	86	89	85	84	72	69	74	81	82	85	84	85	77	72	70	59	65	74	78	79	76	80	79	77	80	79.1
	Minimum	65	62	60	62	58	58	55	54	60	64	57	53	54	49	55	56	54	57	61	60	58	53	52	43	48	55	56	51	49	41	47	55.4
Ravenswood	Maximum	97	95	92	91	88	94	94	93	93	91	81	79	75	84	89	92	89	89	84	77	67	72	78	84	81	79	81	80	81	84	86	85.2
	Minimum	69	71	69	68	69	65	64	62	63	67	61	60	62	55	60	63	62	67	68	55	60	60	58	53	61	64	62	65	50	61	59	62.4
Richwood	Maximum	87	87	88	87	84	87	88	90	87	84	75	70	73	82	83	84	84	85	80	73	73	61	65	75	76	78	76	81	77	76	80	79.9
	Minimum	66	61	61	61	60	59	57	55	59	60	58	52	52	49	54	56	57	60	63	61	59	54	49	48	52	55	58	53	62	47	44	56.2
Robertsburg‖‖	Maximum	95	96	98	81	95	92	94	98	98	83	80	80	78	86	95	96	97	94	89	88	67	76	75	78	84	80	82	87	81	83	93	87.1
	Minimum	72	69	68	68	68	67	67	68	70	70	68	60	58	54	58	64	60	69	68	58	60	60	58	55	57	62	60	62	61	50	60	62.9
Ryan	Maximum	95	90	95	90	90	90	90	94	95	75	76	75	75	85	90	90	90	85	80	80	65	65	80	80	80	80	75	82	80	80	85	83.3
	Minimum	67	66	62	63	63	61	61	68	67	62	58	54	58	50	57	58	55	65	64	62	52	58	56	49	56	60	59	56	58	45	55	53.9
Spencer ‖‖	Maximum	96	95	92	90	87	92	94	96	92	86	83	80	74	82	92	91	91	88	79	71	64	67	75	83	79	81	80	89	80	81	85	84.4
	Minimum	70	70	68	68	67	66	67	64	61	67	61	58	61	56	60	60	61	58	67	65	59	60	58	54	54	63	62	60	65	50	58	61.9
Sutton	Maximum	93	96	96	95	90	94	94	94	94	92	77	77	80	85	89	89	90	90	89	74	72	66	72	82	82	78	82	82	73	79	87	84.9
	Minimum	65	66	65	66	67	62	61	64	63	65	61	56	56	57	60	62	60	63	67	64	59	58	57	52	57	60	60	56	50	46	56	60.0
Union	Maximum	91	..	90	90	87	87	91	92	..	92	85	70	77	84	84	..	89	88	86	76	70	62	..	79	81	81	80	80	80	..	83	82.9
	Minimum	66	..	61	62	65	61	57	55	..	64	60	50	50	53	63	..	55	61	62	60	58	52	..	45	49	58	60	51	60	..	45	57.0
White Sulphur Spgs.	Maximum	93	93	93	90	87	89	90	90	93	68	69	78	80	82	88	88	89	86	79	65	62	65	76	80	83	80	80	78	79	81	..	81.8
	Minimum	68	64	62	66	61	58	56	60	68	60	55	53	62	61	60	56	61	63	62	59	53	52	44	50	57	59	52	45	45	48	48	57.3
Williamson‖‖	Maximum	98	93	99	93	90	91	95	96	96	89	80	70	79	90	93	94	91	90	86	80	67	66	79	87	87	82	87	86	85	89	90	87.0
	Minimum	75	71	68	70	69	72	69	69	70	70	64	63	59	59	61	64	67	68	69	66	62	60	58	61	61	63	64	62	66	56	59	65.0

‖‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.481	.096	.217	.273	.132	.190	.234	.231	.214	.179	.160	.145	.034	.166	.168	.204	.195	.210	.215	.060	.022	.003	.048	.073	.165	.076	.128	.163	.159	.255	.123	5.019
	Wind movement	12	12	20	43	12	16	14	12	12	38	53	50	16	21	25	10	17	22	43	23	71	79	23	13	27	24	25	34	62	77	44	950

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 9-30-31—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XXXIX Parkersburg, W. Va., September, 1931 No. 9

GENERAL SUMMARY

September was warm and wet. The average temperature was 70°. The September average temperature was higher in only four years of previous State record, 1896, 1900, 1921 and 1925. The temperature was above the normal for two-thirds of the month. Cool weather prevailed on the last two days, giving light frosts in sections of the northern agricultural regions and heavy to killing frosts in sections of the northern mountain regions. No damage resulted, owing to the lateness of the season. The precipitation averaged practically one inch above the normal and was well distributed over the State and throughout the month. Heavy rain fell during the night of the 25-26th, giving slightly more than one-third of the month's rainfall. The month was favorable for ripening late crops, threshing grains, filling silos, and other late fall work. The fruit crop was abundant, so large that much fruit rotted in the fields.

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TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 70.0°. The departure from the normal for 41 stations having ten or more years of record was +4.0°. The temperature for the first eight days averaged about normal. Warm weather set in on the 9th and continued until the 24th, the temperature averaging about eleven degrees above the normal for that period. The 29th and 30th were cool, with scattered frosts.

PRECIPITATION

The average precipitation for the State, determined from 88 stations, was 3.91 inches. The departure from the normal for 61 stations having ten or more years of record was +0.87 inch. Practically all the precipitation was measured on the 2-3d, 14-18th, 20th-21st, 22d-24th, and the 25-26th. Moderate heavy rain fell on the 16-17th and the 23d-24th. Heavy rain fell on the 25-26th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 4th, 5th, 7th, 17th, 21st, 23d, and 25th; Bancroft, 1st, 4th, 8th, 10th, 11th, 13th, 14th, 17th, 21st, 22d, 23d, 29th, and 30th; Elkins, 4th, 7th to the 13th, 19th, 20th, and 29th. Hinton, 4th, 5th, 8th, 10th, 11th, 17th, 18th, 21st, 23d, 29th, and 30th; Marlinton, 1st, 2d, 4th, 5th, 7th to the 15th, 22d, 25th, 29th, and 30th; Parkersburg, 4th, 8th, and 11th; Terra Alta, 2d, 3d, 10th, 15th, 22d, and 24th; Wellsburg, 29th and 30th; Williamson, 8th, 9th, 29th, and 30th.

Hail light: Richwood, 11th; Wellsburg, 14th.

MISCELLANEOUS PHENOMENA (Continued)

Thunderstorms (dates and number of stations reporting): 2d, 1; 3d, 1; 4th, 2; 5th, 1; 11th, 2; 12th, 1; 14th, 1; 15th, 4; 17th, 4; 18th, 3; 19th, 2; 20th, 9; 21st, 2; 22d, 3; 23d, 13; 24th, 1; 25th, 3; 26th, 11.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio	30.06	85	55	66	288.5	77	3,556	4.9	17	sw.	23
Columbus, Ohio	30.04	81	59	65	262.3	70	5,700	7.9	34	sw.	23
Elkins	30.11	95	62	83	209.4	56	2,435	3.4	28	sw.	2
Lexington, Ky	30.08	79	58	..	266.7	71	7,356	10.2	31	sw.	25
Parkersburg	30.08	80	54	67	235.4	63	2,925	4.1	32	nw.	25
Pittsburgh, Pa	30.05	81	57	65	222.1	59	5,768	8.0	31	nw.	25
Wytheville, Va	30.08	85	56	74	246.0	66	2,721	3.8	18	w.	26

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly cloudy	Cloudy
1891	66.8	.....	.....	1.66	.....	.....	.....	.....	.....	.....	.....
1892	64.4	92	32	2.57	.....	.....	.....	6	.....	.....	.....
1893	65.0	91	29	2.28	4.50	1.05	.....	6	.....	.....	.....
1894	67.8	98	31	2.50	4.75	1.25	.....	6	12	11	7
1895	70.3	**107**	29	1.70	4.25	0.42	.....	4	17	8	5
1896	65.2	95	**22**	4.59	9.04	1.58	.....	7	14	9	7
1897	66.4	103	27	1.14	4.00	**0.02**	.....	3	22	6	2
1898	67.6	97	33	2.42	4.75	0.80	.....	6	16	10	4
1899	64.0	100	26	3.65	6.35	1.65	.....	8	14	9	7
1900	**71.1**	100	35	1.92	5.50	0.34	.....	6	14	10	6
1901	64.8	95	27	3.35	7.64	1.46	.....	8	13	8	9
1902	64.8	98	25	2.98	4.81	1.23	.....	9	12	9	9
1903	64.7	97	25	1.30	2.78	0.10	.....	4	21	6	3
1904	67.0	95	25	1.76	4.55	0.53	.....	6	16	10	4
1905	65.6	97	29	2.21	4.21	0.54	.....	4	18	8	4
1906	69.9	97	38	3.25	5.44	0.57	.....	9	12	10	8
1907	66.3	93	30	4.41	7.10	2.00	.....	11	12	10	8
1908	65.9	99	24	0.95	2.54	0.26	.....	3	21	6	3
1909	63.7	95	28	2.74	8.75	0.63	.....	6	15	9	6
1910	68.4	97	32	3.50	6.04	0.50	.....	10	12	11	7
1911	68.8	100	32	4.67	8.30	1.80	.....	11	12	11	7
1912	68.6	98	30	3.85	9.18	1.13	.....	8	17	7	6
1913	64.2	100	25	2.88	6.38	0.86	.....	8	14	7	9
1914	63.2	97	24	1.58	5.65	0.17	.....	5	18	6	6
1915	67.6	100	31	3.84	7.18	2.00	.....	9	16	8	6
1916	63.0	99	27	3.71	7.88	1.01	.....	7	18	6	6
1917	62.4	98	28	2.79	6.62	1.16	.....	7	17	7	6
1918	**60.5**	93	24	2.92	4.73	1.37	T.	8	15	7	8
1919	66.0	98	31	2.11	4.37	0.12	T.	5	18	7	5
1920	66.7	96	34	3.14	5.38	1.34	.....	8	16	7	7
1921	70.9	97	39	4.76	9.07	1.65	.....	12	12	10	8
1922	67.2	100	25	2.14	5.64	0.10	.....	4	21	5	4
1923	66.5	96	29	3.31	5.36	1.00	.....	7	16	8	6
1924	60.7	100	26	5.96	8.97	2.80	.....	12	11	7	12
1925	70.9	102	34	2.29	5.89	0.50	T.	8	14	9	7
1926	68.6	98	31	5.35	**10.57**	1.44	.....	13	10	8	12
1927	67.0	100	24	2.15	5.29	0.23	.....	5	19	7	4
1928	61.3	100	24	2.71	6.45	0.81	.....	7	14	6	10
1929	66.5	102	24	2.95	6.25	0.57	T.	8	15	7	8
1930	69.3	106	29	1.46	3.81	0.36	.....	7	15	9	6
1931	70.0	102	29	3.91	6.70	1.45	.....	10	16	8	6
1891-1931	66.3	107	22	2.91	10.57	0.02	T.	7	15	8	7

Climatological Data for September, 1931

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	30	64.3	+3.6	91	12	29	29	42	6.23	+2.43	1.60	0	13	22	6	2	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	15	67.7	+3.3	95	12	33	30	42	2.55	+0.12	0.80	0	9	21	1	8	sw.	Elmer Keister
Harpers Ferry	Jefferson	244	42	...	...	...	...	...	...	...	1.62	−1.13	0.54	0	9	...	...	...	...	J. C. Newcomer
Kearneysville	Jefferson	548	1	72.6	...	98	11†	41	29	37	3.99	...	0.91	0	10	13	14	3	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	39	^{a}72.4	+3.1	101^{a}	22	42	29†	37^{a}	3.21	+0.36	0.70	0	10	21	9	0	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	35	72.8	+5.4	99	12†	37	30	42	1.82	−0.75	0.55	0	7	30	0	0	...	M. S. Henkel
Piedmont	Mineral	1,053	18	70.0	+4.7	96	23	39	29	34	3.86	+1.60	1.32	0	8	12	14	4	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	33	^{c}71.6	+4.9	99^{c}	12	36^{c}	29	38^{g}	3.69	+0.94	1.42	0	6	18	10	2	...	George E. Bergdoll
Stony River Dam	Grant	3,300	11	...	...	...	...	...	...	...	3.24	+0.33	1.10	0	11	15	5	10	w.	A. C. Becker
Upper Tract	Pendleton	1,230	32	^{d}65.8	+0.5	89^{d}	11†	32^{c}	29	41^{d}	...	...	...	...	...	...	...	...	...	J. M. Mallow
Wardensville	Hardy	1,200	14	^{a}69.4	...	95^{a}	11†	34	29	43^{a}	1.90	...	0.53	0	8	19^{b}	8^{b}	1^{b}	...	Luther F. Sutton
Northern Division																				
Aberdeen	Upshur	1,060	7	...	...	...	...	...	...	...	3.37	...	1.55	0	9	10	18	2	w.	L. Else Bond
Alma (near)	Tyler	800	4	...	...	...	...	...	...	...	5.10	...	1.61	0	12	17	7	6	...	D. N. Furbee
Alpena	Randolph	2,571	1	62.7	...	87	11	30	30	42	5.93	...	2.20	0	13	11	17	2	w.	Christian Hertig
Benson	Harrison	1,080	7	68.9	...	93	12	35	29†	40	2.97	...	1.90	0	9	14	15	1	...	John A. Clark
Bens Run	Pleasants	652	29	73.3	+5.1	97	21	42	29	33	4.81	+2.27	1.48	0	10	25	3	2	...	J. D. Riggs
Brownsville	Lewis	1,032	8	69.2	...	94	11†	36	30	40	3.09	...	1.45	0	10	19	4	7	...	George M. Meyers
Bruceton Mills	Preston	1,549	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Mrs. H. R. Muldoon
Buckhannon	Upshur	1,411	34	67.8	+3.4	87	12	37	29	33	3.84	+0.69	1.77	0	9	18	11	1	...	H. A. Darnall
Cairo^{e}	Ritchie	680	30	69.2	+1.1	73	21†	38	29†	41	4.31	+1.25	2.78	0	7	12	7	6	...	Eureka Pipe Line Co.
Cheat Bridge	Randolph	3,558	5	...	...	...	...	...	...	...	6.28	+2.41	...	0	12	...	...	...	...	Miss Blanche Cromer
Clarksburg	Harrison	1,015	9	70.2	...	99	12	40	29†	38	4.73	...	1.62	0	11	13	10	7	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	8	...	...	...	...	...	...	...	3.66	...	1.43	0	11	11	18	1	sw.	George W. Blair
Creston	Wirt	640	29	71.0	+3.3	94	10†	40	29†	38	3.40	+0.79	1.93	0	6	18	4	8	...	J. M. Reed
Dam 10 Mon. R.	Marion	826	10	...	...	...	...	...	...	...	5.55	...	1.52	0	10	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	15	...	...	...	...	...	...	...	4.61	+1.20	1.58	0	8	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	15	...	...	...	...	...	...	...	4.38	+0.85	1.03	0	12	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	10	...	...	...	...	...	...	...	4.81	...	1.66	0	9	...	...	...	...	Lockmaster
Davis	Tucker	3,093	22	...	...	...	...	...	...	...	5.12	+1.24	1.30	0	14	...	...	...	...	Albert B. Williams
Elizabeth (Dam 3 L. K)	Wirt	615	19	...	...	...	...	...	...	...	3.81	+1.02	2.95	0	8	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	30	66.3	+3.3	90	12	39	30	35	3.82	+0.67	1.35	0	14	7	14	9	w.	U. S. Weather Bureau
Fairmont	Marion	883	25	72.2	+5.0	100	12	42	29†	40	4.66	+1.83	1.68	0	11	13	8	9	w.	J. C. Robinson
Glenville	Gilmer	738	37	73.8	+5.5	99	12	42	29†	39	4.21	+0.83	2.04	0	11	17	7	6	w.	Howard R. Brannon
Grafton	Taylor	1,000	38	70.4	+4.0	97	12	39	30	39	4.06	+1.17	1.80	0	11	12	5	13	...	W. E. Clayton
Horner	Lewis	1,044	8	...	...	...	...	...	...	...	3.20	...	1.10	0	4	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	6	...	...	...	...	...	...	...	2.73	...	0.74	0	13	13	5	12	w.	J. W. White
Janelew (near)	Lewis	1,020	8	71.2	...	95	11†	37	30	40	3.28	...	1.75	0	6	20	6	4	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	33	68.0	+2.5	90	10†	35	30	36	3.13	+0.10	1.92	0	8	15	11	4	w.	Allen Smith
Mannington	Marion	985	28	67.6	+2.8	88	12	38	29†	32	6.18	+2.73	1.61	0	17	13	11	6	w.	Jas. A. Morgan
Morgantown††	Monongalia	1,250	38	^{f}72.7	+5.3	92^{f}	11	...	...	42^{f}	6.16	+3.04	1.70	0	9	8^{f}	14^{f}	2^{f}	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	33	^{a}70.4	+5.1	95^{a}	12	41	29	37^{a}	4.31	+1.38	2.15	0	9	11	10	9	s.	C. H. Hesse
New Martinsville	Wetzel	634	37	73.2	+4.7	100	11†	40	29	40	5.05	+2.19	1.25	0	10	18	4	8	s.	Wm. Ankrom
Parkersburg	Wood	638	44	72.4	+5.1	95	12	44	30	33	3.27	+0.51	1.94	0	11	12	10	8	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	31	69.0	+5.5	96	10†	35	29	45	4.00	+0.83	1.20	0	7	10	14	6	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	5	...	...	...	...	...	...	...	3.17	0	1.22	0	12	18	6	6	...	Robert T. Deem
Philippi	Barbour	1,550	34	...	...	...	...	...	...	...	2.24	−1.18	0.80	0	6	...	...	...	...	Prof. W. W. Thomson
Pickens	Randolph	2,697	28	65.2	+3.5	90	11†	34	29	36	5.42	+1.27	1.50	0	12	19	8	3	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	8	...	...	...	...	...	...	...	2.97	...	1.30	0	9	22	3	5	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	...	...	...	...	...	...	...	6.70	+3.54	2.05	0	13	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	22	...	...	...	...	...	...	...	4.11	+1.23	1.95	0	9	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	30	63.6	+1.8	89	12	30	28	37	6.17	+2.48	1.67	0	14	9	12	9	nw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	2	...	...	...	...	...	...	...	4.68	...	1.20	0	15	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	8	70.0	...	92	12†	39	30	50	3.45	...	2.00	0	10	21	5	4	w.	J. C. Campbell
Wellsburg	Brooke	668	24	70.1	+5.5	97	10	38	29	39	4.84	+1.76	1.49	0	11	12	12	6	w.	George P. Pfister
West Milford	Harrison	979	6	...	...	...	...	...	...	...	4.51	...	1.65	0	8	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	36	72.0	+4.9	98	12	40	30	38	3.76	+0.79	1.80	0	14	11	18	1	...	Weston State Hospital
Wheeling	Ohio	645	44	71.0	+3.8	102	12	35	29	43	5.02	+2.13	1.25	0	8	16	10	4	w.	Miss M. B. Forsyth
Woodlands	Marshall	637	4	...	...	...	...	...	...	...	4.43	...	1.00	0	11	14	10	6	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	5	...	...	...	...	...	...	...	2.91	...	1.07	0	14	16	8	6	w.	H. S. Sutton
Bancroft	Putnam	574	27	^{a}71.6	+3.4	95^{a}	12	44	29†	40^{a}	4.51	+1.58	1.80	0	7	21	0	9	ne.	R. E. Dent
Beckley	Raleigh	2,440	28	70.8	+4.7	92	11†	32	29	51	3.19	+0.61	1.50	0	9	18	9	3	...	L. A. Mauck
Bluefield^{e}	Mercer	2,558	36	69.1	+3.0	89	11†	35	29	38	2.03	−0.54	1.10	0	7	16	7	2	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	16	...	...	...	...	...	...	...	4.31	+1.02	1.11	0	5	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	28	75.9	+5.2	102	13†	44	29	42	4.16	+1.13	1.12	0	9	20	0	10	...	R. O. Fields
Clay	Clay	706	15	...	...	...	...	...	...	...	2.91	−0.50	0.91	0	9	...	...	...	...	Chilton Wilson
Dam 6 G. K	Kanawha	598	5	...	...	...	...	...	...	...	4.87	...	1.42	0	8	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	15	...	...	...	...	...	...	...	3.66	+0.36	2.29	0	7	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	15	...	...	...	...	...	...	...	3.79	+0.91	2.04	0	9	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	4	...	...	...	...	...	...	...	1.45	...	0.36	0	10	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	15	...	...	...	...	...	...	...	3.92	+1.68	1.46	0	9	...	...	...	...	U. S. Engineers Office
Gary	Mc Dowell	1,426	15	70.5	+2.0	92	11†	39	30	37	2.50	−0.55	0.75	0	14	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	34	72.8	+5.0	98	11	44	29†	39	2.85	+0.19	1.00	0	12	19	4	7	...	Mrs. M. L. McClung
Huntington	Cabell	538	34	75.4	+6.4	97	12	45	29	35	1.69	−0.93	1.10	0	7	14	12	4	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	12	...	...	...	...	...	...	...	5.44	+2.42	1.50	0	7	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	15	...	...	...	...	...	...	...	5.51	+1.93	1.60	0	9	...	...	...	...	Cabin Creek. Con Coal Co
Kermit	Mingo	579	5	...	...	...	...	...	...	...	1.54	...	1.20	0	3	...	...	...	...	E. B. Kirk
Kingston	Fayette	1,481	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Claud J Wriston
Lewisburg	Greenbrier	2,250	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Geo. T. Argabrite
Logan	Logan	700	28	...	...	...	...	...	...	...	2.69	−0.41	1.25	0	6	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	32	63.0	+1.8	86	11	32	29†	38	2.80	−0.24	0.82	0	9	4	22	4	sw.	S. L. Brown
Point Pleasant	Mason	595	38	73.4	+4.0	97	12†	39	30	41	3.48	+1.04	1.60	0	11	20	6	4	sw.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	1	65.5	...	90	12†	34	29†	39	5.81	...	1.75	0	13	21	3	6	...	H. M. Word. Jr.
Ravenswood (Dam 22)	Jackson	584	8	73.1	...	97	17	39	29	37	4.36	+0.88	2.15	0	8	14	0	16	nw.	Lockmaster
Richwood	Nicholas	2,193	1	67.5	...	89	12	37	30	36	5.44	...	1.30	0	11	17	4	9	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	31	73.4	+5.8	99	11†	41	30	40	4.37	+1.93	1.69	0	11	20	0	10	...	M. Frazier
Ryan	Roane	700	28	70.6	+6.3	95	10†	36	29	43	4.96	+1.99	1.60	0	11	18	7	5	...	Wm E. Ryan
Sharples	Logan	889	11	...	...	...	...	...	...	...	3.81	+0.48	2.10	0	3	...	...	...	...	R. W. Howard
Spencer	Roane	789	27	^{a}72.0	+5.7	96^{a}	12	41	29†	39^{a}	4.47	+1.51	2.51	0	9	14	13	3	...	A. M. McKown
Sutton	Braxton	850	25	71.3	+2.7	96	12†	42	29†	37	2.75	−0.77	1.20	0	9	21	0	9	...	C. B. Eakle
Union^{d}	Monroe	2,250	27	69.2	+3.2	92	10†	32	29	40	2.98	+0.42	1.03	0	6	12	12	2	...	W. M. H. Young
Wayne	Wayne	598	4	...	...	...	...	...	...	...	4.14	...	1.58	0	5	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	21	^{a}67.6	+2.3	90^{a}	9†	35	29	38^{a}	3.15	0	0.85	0	11	26	4	0	...	A. P. Spence
Williamson	Mingo	673	31	75.3	+5.7	98	11	46	29†	33	2.49	−0.55	1.13	0	8	17	9	4	sw.	J. E. Dotson
State averages and	extremes	...	...	70.0	+4.0	102	12†	29	29	51	3.91	+0.87	2.95	0	10	16	8	6	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for September, 1931

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖‖	Potomac		.25	.11		.15									.03		.14	.08	1.33		.93			.61	.44		1.60	.07	.19				6.23
Brandywine	do		.08	.20								.25					.12	.05	.40		.15			.50			.80						2.55
Harpers Ferry ‖‖	do			.03		.15									.09			.32	.11			.02			.51		.32	.04					1.62
Kearneysville	do			.23		.16									.36		.50		.11		.31	.70		.67			.91		.01				3.99
Martinsburg ‖‖	do			.60		.15										T.		.70	.15			.30	.05		.45		.70	.10	.01				3.21
Moorefield	do													.55		.01			.40		.27			.04			.50		.02				1.82
Piedmont	do		.27													.48	.11				.72			.92			1.32	.02	.02				3.86
Romney‖	do			.29		.08													.40			.20			1.42		1.30						3.69
Stony River Dam	do			.10		.05											.05	.10	.79		.05	.32			.38		1.10	.05	.25				3.24
Upper Tract	do																																
Wardensville‖‖	do			.30	T.	.07									.05				.35			.32			.28		.52	.01					1.90
Northern Division																																	
Aberdeen	Monongahela		.14	.47		T.									T.	.27	.27		.11		T.			.42	T.		1.55	.06	.08				3.37
Alma (near)	Ohio		.65	.62		.25										.12	.14	.90			.01	.15	.04	.55			1.61	.06					5.10
Alpena	Monongahela			.32			.12							.05	.72	.25		.06	.11		.15			2.20	.11	1.00	.33	.21					5.93
Benson	do		.30												.05	.08	.23		.13					.06			1.90	.05	.17				2.97
Bens Run	do		.95	.15		.77										.26	.66		.21			.06		.22			1.48	.05					4.81
Brownsville	do		.14	.24		.03										.58	.10		.30					.06			1.45	.07	.12				3.09
Bruceton Mills	do																																
Buckhannon	do		.60	.28												.42	.14	T.	.12		T.			.20	T.		1.77	.13	.18				3.84
Cairo	Little Kanawha		.24	.38													.13				.11			.67			2.72	.06					4.31
Cheat Bridge‖‖	Monongahela			.41				.04					1.25		.05		.24			.35	.03	1.16				.80	.06	1.36	.53				6.28
Clarksburg ‖	Little Kanawha		.03	.58		.06											.11	.10	1.00					1.03	.16	.02	1.62		.02				4.73
Crawford ‖	do		.24	.06												.72	.03		.38		.39			.13	.02		1.43	.12	.14				3.66
Creston‖‖	Monongahela			.36														.19	.17			.58			.17		1.93						3.40
Dam 10, Mon. R.‖‖	Ohio		.04	.66		.47											.13	.91	1.01			.16		.16	.49		1.52						5.55
Dam 12, O. R.‖‖	do		.26	1.24		.42											.17	T.	.69						.58		.89		.36				4.61
Dam 13, O. R.‖‖	Monongahela		.02	.93		.55											.16	.04	1.03		.02	.17			.36		.92		.18				4.38
Dam 15, Mon. R.‖‖	do		.05	.40		.25											.34		1.15			.26		.07	.58		1.66		.05				4.81
Davis ‖	do		.04	.49	.03	.09									T.		.15	.17	1.30			.21		.01	.90	.02	1.13	.03	.55	T.			5.12
Elizabeth (D'm 3 LK)	Little Kanawha		.08	.67	.10													.18			.04			.12	.27		2.95						3.81
Elkins***	Monongahela		.17	.16		T.	.01		.01				.04	T.		1.25	.20		.23		.20			.25	.01	.13	1.02	.14					3.82
Fairmont‖‖	do		.14	.11		.25										T	.15	T.	1.30		.02	.04		.10	.77		1.68		.10				4.66
Glenville ‖	Little Kanawha		T.	.61		T.											.64	.20	.12		.07	.14		.12	.07		2.04	.06	.14				4.21
Grafton ‖‖	Monongahela		.20	.40		.15									T.	.14	.02		.75		.26		.10	.16			1.80	.08					4.06
Horner	do			.70															.90								1.10		.50				3.20
Horton	do		.12	.22			.06					.10				.14	.11		.14		.33			.36	.04		.71	.08	.29				2.73
Janelew (near)	do		.25	.35												.50	.15										1.95	.08					3.28
Lost Creek	do		.22	.30		T.			T.							.07	.11		.40		T.		T.	.06	T.		1.92	.05					3.13
Mannington	do		.48	.43	.01	.32									.04	.33	.01	.03	1.38		.08	.05	.65	.53	.07		1.61	.15	.01				6.18
Morgantown	do		.65	.35	T.	T.									.05	.07	.10		1.70		1.12		.60		T.		1.52						6.16
New Cumberland‖‖	Ohio		.95	1.20	.06	.14											.17		.76						.15		.76	T	.12				4.31
New Martinsville	do		.95	.15		.60									.25	.05	.10	.45						1.15			1.25		.10				5.05
Parkersburg***	do		.78	.02	.02												.27	.03	.03		T		.01	.16		1.47	.47	.01					3.27
Parsons	Monongahela			.50	.50													T.			1.20		.32	.28			1.00		.20				4.00
Parsons No. 2	do		.23	.22	.03	.01										.20	.05		.28		.15			.56	.11		1.22	.11					3.17
Philippi	do			.80													.65	.05	.32						.30				.12				2.24
Pickens	do		.54	.52									.05			.05			.35		.42		.17	1.18	.12		1.50	.34	.18				5.42
Roanoke	do		.24	.11												.45	.15	.36			.20					T.	1.30	.07	.09				2.97
Rowlesburg‖‖	do		.09	.69		.21										.07	.30	.14	2.00			.44		.23	.15		2.05	.05	.28				6.70
Saint Marys‖‖	Ohio		.25	.88		.23												.26	.17					.02	.32		1.95		.03				4.11
Terra Alta	Monongahela	.04	61	T.	.31										.06	.14	.16	1.10		T.	.92		.41	.32	.01	1.67	.03	.39					6.17
Thomas ‖	do		.07	.40	.01	.09									.04		.20	.09	1.43		.04	.08			.51	.03	1.20	.02	.47				4.68
Valley Chapel	do		.21	.30			.04									.48	.15		.06					T.	.01		2.00	.05	.15				3.45
Vandalia	do		.35	.22											.57	.12			.30		.25			.10			1.40	.12	.10				3.53
Wellsburg	Ohio	1.49	.08	T.	.12										.73	.05	T.	.92	.14				T.	.32			.78	.17	.04				4.84
West Milford	Monongahela		.45	.50		.08										.12	.73		.62					.36			1.65						4.51
Weston	do		.03	.71		.01								.06			.22	.07	.03		.02	.06		.32	.04		1.80	.11	.28				3.76
Wheeling‖‖	Ohio		.32	1.23		.52											.05	T.	.71						1.25		.82		.12				5.02
Woodlands‖‖	do	T.	.05	1.00	.72	.76						.02					.50	.03	1.00				.02	.06					.27				4.43
Southern Division																																	
Arbovale	Great Kanawha	.07		.16							.01	.30		.04	.02	.02	.04	.01	.05		.65	T.		.16	.01		1.07	T.					2.91
Bancroft ‖‖	do		.05	.48													.81	.50	.05						.82		1.80						4.51
Beckley	do		.09	.34													.80		.03		T.	.10		.20	T.		1.50	.06	.07				3.19
Bluefield	do		.08	.32													.11					.03		.04			1.10		.35				2.03
Camden-on-Gauley‖‖	do			1.10																		.80			.96		1.11		.34				4.31
Charleston ‖‖	do		.08	.82													.20	1.02	.06		.06				.78		1.12		.02				4.16
Clay‖‖	do		.10	.84	.16												.22	.15				.04			.39		.91		.10				2.91
Dam 6 G. K ‖‖	do			1.42													.30	1.00	.03		.04				.74		1.25		.09				4.87
Dam 19 O. R. ‖‖	Ohio		.05	.82											T.		T.	.25	T.		T.			.11	.12		2.29		.02				3.66
Dam 20 O. R. ‖‖	do		.06	.60													.02	.04			.01	.02		.54	.46		2.04						3.79
Dam 25 O. R. ‖‖	do		.01	.28													.34	.03	.04		.03	.17			.36		.15		.04				1.45
Dam 26 O. R. ‖‖	do			.40													1.06	.26	.12		.02			.18	.29		1.46		.13				3.92
Gary ‖‖	Big Sandy		.02	.75	.32	.01								.01		.02	.01					.03	.25	.01	.13		.67	.21	.06				2.50
Hinton‖‖	do			.55	.21							.02					.10	.20	T.		.20	.03	.22		.13	T.	1.00	.16	.03				2.85
Huntington ‖‖	Ohio		.32	.13													.07				.03			.02			1.10	.02					1.69
Kanawha Falls‖‖	Great Kanawha			.82													.61	.74			.77				1.50		.86		.14				5.44
Kayford‖‖	do			1.38	.09												T.	1.05		.04	.55				.48		1.60	.08	.24				5.51
Kermit ‖	Big Sandy			.33																					.01		1.20						1.54
Kingston	Great Kanawha																																
Lewisburg	do																																
Logan‖	Guyandotte			.70	T.												.06	T.			.07				.43		1.28		.15				2.69
Marlinton	Great Kanawha		.18	.14							T.				.42	T.	.06	T.			.62	.32		.18			.82		.06				2.80
Point Pleasant‖‖	Ohio		.05	.30													.45	.14	.07		.04		.02	.18	.58		1.60		.05				3.48
Rainelle	Meadow Creek		.03	.54				.13					.02			.32	.94	.11	.03		1.75			.40			1.39	.09	.06				5.81
Ravenswood (Dam 22	Ohio‖‖			.26														.15	.02		.03	.12			1.61		2.15		.02				4.36
Richwood	Great Kanawha		.03	.60				.04				1.04		T.		.13	.79				.09			1.28	.02		1.01	.38					5.44
Robertsburg‖‖	do			.30													.80	.07	.09		.02	.16	.31	.02	.84		1.69		.07				4.37
Ryan	do		.24	.11												.12	.26		.06		.43		.01	1.10			1.60	.03	1.00				4.96
Sharples‖	Coal River			1.31													.40										2.10						3.81
Spencer ‖‖	Great Kanawha		.06	.20													.05	.02				.83	.07	T	.69		2.51	T	.04				4.47
Sutton	Gauley		.25	.45													.30		.10		.15			.10			1.20	.10	.10				2.75
Union	do			.44								.63					.52					.15		.21			1.03						2.98
Wayne‖	Big Sandy		.03	1.42													.54				.57						1.58						4.14
White Sulpr. Spgs.‖‖	Great Kanawha		.30								.50	.20					.20	.35	.05		.20	.10			.30		.85	.10					3.15
Williamson‖‖	Big Sandy			.63													.24	.03		.02	.39				.03		1.13		.02				2.49

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.
*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. +++ Probably incomplete

Daily Temperatures for September, 1931

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	82	83	73	74	77	78	74	80	82	88	90	91	88	82	76	78	85	81	75	80	86	86	82	70	72	70	59	59	66	72	....	78.0
	Minimum	46	56	57	44	53	57	39	39	53	53	52	49	48	55	56	60	62	65	45	54	61	56	62	58	36	52	47	43	29	30	....	50.6
Brandywine	Maximum	85	86	75	76	87	89	87	88	87	91	94	95	91	85	89	89	92	78	84	78	91	94	91	75	65	64	60	64	60	65	....	81.8
	Minimum	50	60	60	48	57	51	45	50	48	55	57	55	54	60	58	57	64	65	51	50	62	60	64	60	41	56	52	48	34	33	....	53.6
Kearneysville	Maximum	90	92	83	79	85	88	79	82	91	95	98	97	97	95	89	84	93	89	77	80	98	96	92	76	68	80	72	65	71	74	....	85.2
	Minimum	54	69	65	53	59	65	56	52	54	67	65	64	64	69	67	66	69	68	56	65	68	68	68	64	46	59	51	49	41	42	....	60.1
Martinsburg ‖‖	Maximum	92	92	72	75	74	80	85	85	92	96	100	100	100	97	90	85	95	82	80	81	97	101	92	77	70	82	65	65	72	..	....	85.3
	Minimum	55	61	69	53	55	56	56	53	56	65	66	64	63	67	68	67	68	59	57	57	66	67	71	67	47	49	55	50	42	42	....	59.4
Moorfield	Maximum	94	94	88	85	91	89	87	86	93	97	98	99	97	96	90	86	97	92	83	89	96	99	93	88	78	80	71	66	77	79	....	88.6
	Minimum	56	64	67	52	60	58	57	47	52	61	60	60	58	62	64	65	67	70	54	61	64	65	68	64	42	48	47	41	39	37	....	57.0
Piedmont	Maximum	87	89	75	78	79	82	78	83	87	83	90	94	93	87	82	83	87	88	86	81	89	92	96	71	68	74	60	64	68	72	....	81.6
	Minimum	58	63	63	58	63	58	50	49	53	58	60	60	65	61	62	66	65	64	66	68	68	69	70	55	43	57	54	49	39	42	....	58.5
Romney ‖‖	Maximum	91	91	77	80	86	84	85	..	92	97	98	99	98	93	85	84	94	85	87	..	97	97	89	76	73	79	61	68	73	..	....	85.9
	Minimum	57	60	64	53	58	59	57	45	..	60	62	61	..	59	66	65	69	69	53	57	..	64	68	67	44	49	48	57	36	38	....	57.3
Upper Tract	Maximum	82	79	76	80	81	80		..	85	85	89	..	88	87	87	79	89	88	87	..	89	85	81	75	72	60	59	58	70	74	...	79.4
	Minimum	52	50	49	56	57	57	..	..	46	45	52	..	55	60	62	61	62	61	60	49	48	62	63	60	58	40	39	39	32	35	....	52.2
Wardensville	Maximum	88	89	74	79	86	88	80	83	91	93	95	95	92	92	88	85	93	83	79	86	92	93	91	74	71	80	65	64	69	..	....	69.4
	Minimum	51	61	65	50	58	51	45	43	48	58	60	57	56	59	60	63	63	70	51	64	62	64	63	53	40	57	52	49	34	35	....	54.8
Northern Division																																	
Alpena	Maximum	79	79	67	72	70	76	74	77	80	84	87	86	82	70	75	74	82	78	74	75	83	83	76	68	69	68	58	57	64	72	....	74.6
	Minimum	46	59	56	45	52	53	46	38	42	51	51	50	49	56	60	60	59	60	49	53	59	56	61	56	49	56	46	43	32	30	....	50.8
Bens Run	Maximum	89	78	81	80	81	86	81	82	90	95	94	95	93	91	90	87	93	85	89	91	97	96	82	82	84	79	67	68	71	77	....	85.1
	Minimum	72	67	61	54	61	64	53	55	57	65	65	65	66	68	68	69	70	66	56	67	68	69	70	63	50	64	54	51	42	45	....	61.5
Buckhannon	Maximum	81	83	70	74	78	82	71	76	78	85	86	87	85	83	78	76	85	78	83	79	85	86	83	71	75	72	60	60	65	68	....	77.4
	Minimum	56	67	60	54	58	63	52	49	50	53	62	60	63	60	64	68	65	60	50	62	64	61	67	64	62	60	53	57	37	40	....	58.1
Cairo	Maximum	87	82	78	79	88	84	79	84	..	..	..	..	..	91	86	83	92	89	85	89	93	93	91	77	80	75	65	68	70	76	....	82.6
	Minimum	59	60	52	56	59	50	62	48		..	..	..	...	50	65	67	65	65	50	62	56	61	69	64	47	52	45	49	38	38	....	55.7
Clarksburg ‖‖	Maximum	86	85	81	80	83	83	78	84	89	94	97	99	94	89	85	82	90	82	88	89	93	94	81	73	81	72	57	64	70	78	....	83.4
	Minimum	55	62	60	53	59	62	48	50	51	57	62	61	60	62	64	67	64	64	53	61	63	63	66	64	46	54	53	50	40	40	....	57.1
Creston	Maximum	86	82	79	75	84	86	83	82	89	94	94	94	92	89	87	82	89	86	85	85	92	93	88	88	81	79	66	67	70	67	....	83.8
	Minimum	57	64	61	58	58	58	52	59	51	58	61	60	61	62	64	68	64	51	55	66	63	64	67	63	49	65	50	51	40	40	....	58.1
Elkins	Maximum	83	84	71	75	79	81	73	78	83	87	88	90	87	84	77	79	86	77	79	79	88	87	82	70	73	70	51	58	65	73	...	78.0
	Minimum	52	64	56	52	58	58	50	46	48	57	58	57	57	59	60	66	64	55	50	66	61	62	65	51	44	54	50	41	39	39	....	54.6
Fairmont ‖‖	Maximum	82	83	81	83	86	84	81	82	93	98	98	100	97	88	86	85	93	86	88	92	98	97	81	73	80	71	59	70	75	82	...	85.3
	Minimum	60	67	60	57	59	65	50	52	53	61	63	62	63	66	68	69	69	63	55	65	67	68	67	64	48	53	53	48	42	42	....	59.3
Glenville	Maximum	88	95	88	90	89	88	89	91	91	97	98	99	95	93	91	87	94	93	88	88	95	95	84	83	82	82	68	69	73	80	....	88.1
	Minimum	57	65	61	55	60	62	54	52	54	61	64	63	62	63	65	69	67	64	55	64	65	66	68	63	50	65	54	52	42	42	...	59.5
Grafton	Maximum	86	85	78	79	84	84	84	80	87	94	96	97	94	88	85	83	93	83	86	87	93	88	79	77	81	71	64	61	72	78	....	83.3
	Minimum	56	57	60	55	60	61	51	49	51	60	63	60	61	62	64	66	66	65	52	61	65	65	67	63	45	61	54	46	40	39	....	57.5
Lost Creek	Maximum	84	80	76	75	79	80	80	76	85	90	90	89	89	86	85	79	89	87	85	82	83	88	79	71	70	70	63	62	65	69	....	79.6
	Minimum	64	65	60	50	60	63	46	46	49	58	59	58	57	62	65	65	64	62	51	62	62	61	65	62	42	62	52	49	37	35	....	56.4
Mannington	Maximum	83	78	74	75	79	80	75	75	83	87	87	88	87	83	79	79	87	80	81	84	87	87	79	71	73	71	63	62	65	70	...	78.4
	Minimum	56	64	60	52	58	61	49	48	50	60	60	58	59	62	63	67	64	61	52	62	64	65	64	63	46	63	54	49	38	38	....	56.9
Morgantown	Maximum	84	84	80	77	75	80	72	76	90	90	92	89	89	83	83	68	88	88	89	88	88	85	81	81		..	..	..	..	..	....	84.2
	Minimum	55	56	58	53	59	59	47	48	48	63	62	66	66	70	67	68	68	60	69	69	70	67	60	61	..	..	..	..	..	..	....	61.2
New Cumberland ‖‖	Maximum	87	74	77	79	81	78	77	80	90	93	93	95	92	88	86	86	92	74	83	90	92	91	84	68	65	70	63	66	70	..	....	81.6
	Minimum	56	67	58	54	57	65	50	51	53	63	62	64	64	62	71	70	71	56	58	64	70	71	69	63	46	57	54	47	41	42	...	59.2
New Martinsville	Maximum	88	87	83	83	87	82	81	82	93	98	100	100	95	93	89	90	100	87	92	94	98	97	89	76	83	85	68	71	74	83	....	87.7
	Minimum	58	65	59	53	58	62	52	53	53	61	62	62	63	64	66	67	67	63	58	64	65	67	66	63	47	61	53	50	40	43	....	58.8
Parkersburg	Maximum	87	78	79	79	84	84	75	81	89	93	94	95	92	88	86	87	92	79	84	90	94	94	80	74	80	70	58	65	68	75	..	82.5
	Minimum	66	65	61	55	62	65	56	55	56	64	65	67	68	72	75	72	72	62	58	71	72	75	71	57	52	57	54	53	44	44	....	62.2
Parsons	Maximum	80	88	86	80	85	86	80	84	90	95	96	96	95	96	81	84	91	87	80	84	94	94	86	79	85	75	70	77	76	84	...	85.5
	Minimum	55	53	60	55	57	56	47	48	49	57	59	57	58	58	59	65	65	56	51	51	60	61	56	41	43	42	40	40	35	39	....	52.5
Pickens	Maximum	83	80	66	74	80	76	78	81	83	87	90	90	88	85	74	76	85	71	79	76	86	85	78	69	74	69	55	56	65	72	....	77.2
	Minimum	53	59	57	48	57	43	47	45	47	58	59	58	56	60	60	56	56	55	55	62	63	63	64	55	42	52	46	44	34	38	...	53.1
Terra Alta	Maximum	79	76	71	72	75	76	72	77	81	87	88	89	86	80	72	75	85	78	72	78	85	84	78	66	65	67	50	58	65	72	...	75.3
	Minimum	62	55	46	59	61	40	42	46	57	55	52	52	58	59	64	66	60	50	56	63	58	64	60	38	46	45	42	30	32	40	....	51.9
Wellsburg	Maximum	87	78	80	80	83	83	81	81	92	97	96	96	93	89	87	88	92	85	83	90	94	93	85	75	67	73	64	67	73	78	....	83.7
	Minimum	54	67	58	52	58	59	48	49	52	60	59	60	60	64	64	68	67	55	55	60	55	65	63	62	43	60	54	46	38	39	....	56.5
Weston	Maximum	85	85	87	80	84	85	83	85	89	95	94	98	95	90	87	88	92	90	84	88	93	92	90	79	79	76	70	64	70	75	....	85.1
	Minimum	58	55	61	55	60	62	51	50	51	60	64	61	64	65	66	68	64	64	54	66	69	64	65	64	48	65	54	52	45	40	....	58.9
Wheeling ‖‖	Maximum	90	74	84	79	80	87	84	83	96	100	100	102	96	92	86	90	98	81	90	93	100	97	84	77	71	77	65	73	77	80	....	86.2
	Minimum	70	64	54	52	53	55	46	49	53	61	62	61	61	63	64	66	66	55	56	60	65	66	65	61	42	47	40	45	35	41	....	55.9
Southern Division																																	
Beckley	Maximum	83	82	82	80	80	84	83	83	84	88	92	92	91	91	90	90	91	90	87	86	89	90	89	88	87	86	85	84	83	83	....	86.4
	Minimum	54	54	60	47	52	55	60	45	49	55	57	57	59	58	60	66	62	65	57	62	64	64	62	61	43	59	47	47	32	40	....	55.1
Bluefield	Maximum	83	85	72	76	81	..	..	85	85	87	89	89	..	89	81	81	85	84	87	..	83	88	87	75	77	74	..	73	66	72	....	81.4
	Minimum	58	67	59	50	52	..	..	47	54	57	57	61	..	58	62	65	64	65	63	..	62	65	64	64	47	55	..	46	35	44	....	56.8
Charleston ‖‖	Maximum	93	88	87	89	93	95	88	88	88	98	99	101	102	98	90	99	100	81	90	96	100	102	92	86	88	80	70	76	76	80	....	90.4
	Minimum	60	62	64	57	57	60	59	53	55	56	59	64	66	66	68	68	69	72	63	63	68	70	72	72	57	57	60	56	44	46	....	61.4
Gary ‖‖	Maximum	86	85	72	80	84	87	81	84	87	89	92	92	90	89	85	88	90	82	86	88	89	91	91	78	84	77	57	64	71	76	....	83.1
	Minimum	55	59	63	53	54	57	64	51	52	56	59	60	60	60	61	63	66	66	66	63	66	65	64	63	52	57	52	52	40	39	....	57.9
Hinton ‖‖	Maximum	91	86	78	84	89	91	85	88	91	96	98	97	93	94	87	87	94	85	85	90	87	93	87	79	85	78	59	65	77	80	....	86.1
	Minimum	56	63	63	56	56	57	64	53	54	57	62	62	61	60	64	54	66	67	67	64	64	66	67	65	54	55	53	53	44	44	....	59.4
Huntington	Maximum	88	85	83	84	86	89	85	86	90	95	96	97	93	91	88	92	96	89	92	93	96	96	89	87	85	83	83	71	72	80	....	88.0
	Minimum	62	68	61	58	61	65	58	54	58	63	66	67	66	68	71	73	69	73	57	70	71	71	69	69	54	66	56	52	45	46	....	62.9
Marlinton	Maximum	78	80	78	72	76	80	76	78	82	84	86	84	82	80	76	76	82	80	70	72	82	82	80	70	66	70	58	58	64	66	....	75.6
	Minimum	48	52	52	46	48	50	52	42	44	50	54	52	52	54	54	60	56	58	50	56	60	58	60	56	42	50	46	40	32	34	....	50.3
Point Pleasant	Maximum	89	85	83	82	86	90	85	86	93	95	96	97	96	93	90	90	95	92	90	93	97	90	89	89	88	84	70	68	71	80	....	87.8
	Minimum	60	64	56	53	59	60	53	50	53	60	62	64	63	66	67	69	67	67	53	65	68	69	65	64	50	64	53	48	40	39	....	59.0
Rainelle	Maximum	83	83	69	77	80	84	76	81	84	88	89	90	85	84	78	83	86	78	74	83	89	90	83	71	74	74	60	59	68	70	....	79.1
	Minimum	47	52	61	48	46	50	58	43	45	50	54	53	52	52	53	62	58	61	57	58	61	58	60	57	44	56	47	47	34	34	....	51.9
Ravenswood	Maximum	87	85	79	83	85	87	84	84	90	94	96	95	91	90	91	88	97	93	88	91	95	95	93	80	79	83	69	68	70	76	....	86.2
	Minimum	62	65	60	52	60	61	52	51	53	63	62	64	64	68	68	74	65	68	52	60	69	70	68	66	64	53	55	51	39	41	...	60.0
Richwood	Maximum	83	83	74	76	78	81	79	81	84	87	88	89	87	85	82	82	86	85	78	82	88	88	84	72	77	75	64	58	66	72	..	79.8
	Minimum	51	59	60	56	51	53	51	45	48	55	58	59	56	57	58	64	60	65	56	63	64	62	66	63	45	62	50	48	41	37	....	55.2
Robertsburg ‖‖	Maximum	90	85	82	84	86	87	80	82	87	96	99	97	96	94	93	92	98	84	93	98	99	94	88	80	88	75	57	70	77	76	...	86.9
	Minimum	60	66	60	53	58	60	53	55	56	60	64	64	68	64	70	68	68	70	56	58	68	68	69	66	52	56	55	52	43	41	..	60.0
Ryan	Maximum	83	75	78	80	85	87	85	80	85	95	95	95	95	94	85	88	95	88	90	95	95	95	95	75	80	73	65	70	70	80	...	85.0
	Minimum	57	57	53	54	54	56	56	60	50	55	59	59	59	60	62	64	62	63	62	64	61	63	65	58	48	59	53	44	36	37	....	56.3
Spencer ‖‖	Maximum	87	86	89	81	84	80	84	84	88	93	94	96	94	91	85	88	94	88	82	92	94	93	78	78	82	74	59	67	70	..	....	81.7
	Minimum	60	64	61	54	56	63	50	52	50	54	60	62	63	66	68	70	68	71	61	66	67	68	69	66	51	53	54	52	41	41	...	59.4
Sutton	Maximum	87	87	79	82	83	83	83	79	90	94	95	96	96	93	91	86	89	89	81	89	94	94	88	74	78	78	72	63	70	73	....	84.5
	Minimum	55	61	62	54	57	58	54	51	53	58	62	61	60	61	62	69	65	65	56	62	63	64	65	62	49	64	52	53	42	42	....	58.1
Union	Maximum	85	85	82	80	83	..	85	85	88	92	91	92	..	91	90	83	87	86	84	..	85	91	92	77	78	79	..	75	70	75	...	84.3
	Minimum	50	60	66	48	44	..	52	45	49	54	55	57	..	56	56	64	60	64	63	..	58	61	60	60	44	59	..	49	32	37	....	54.0
White Sulphur Spgs.	Maximum	86	78	77	84	87	83	82	86	90	90	89	88	89	87	86	87	86	79	89	88	87	82	78	76	75	61	61	65	68	..	....	78.8
	Minimum	49	60	49	49	53	59	45	48	54	58	57	54	56	55	60	61	63	60	58	58	64	63	61	56	54	50	50	37	35	38	....	53.8
Williamson ‖‖	Maximum	91	88	82	87	89	93	86	89	93	95	98	96	94	91	91	91	96	85	97	94	97	96	93	80	90	77	60	70	75	81	....	88.2
	Minimum	60	65	66	60	60	60	63	56	57	62	65	68	63	63	65	68	71	71	67	67	70	70	70	69	55	59	56	55	46	46	....	62.4

‖‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.145	.163	.113	.136	.115	.183	.190	.171	.116	.156	.162	.185	.182	.189	.166	.066	.055	.452	.226	.133	.122	.178	.252	.091	.221	.274	.197	.026	.100	.105	...	4.870
	Wind movement	29	45	69	24	25	42	61	42	26	29	27	21	22	27	46	24	18	24	106	38	38	31	45	46	68	41	120	62	47	37	....	1,280

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 10-23-31—900)

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

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WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

VOL. XXXIX PARKERSBURG, W. VA., OCTOBER, 1931 No. 10

GENERAL SUMMARY

October was warm and dry. The average temperature, 57.0°, was as high or higher than for any October for the past ten years. The temperature was above the normal for about twenty days. The highest temperature occurred at the close of the first week and the lowest on the 18-19th, when heavy to killing frosts were general over the State. The rainfall was well distributed throughout the month and over the State. The month was exceptionally pleasant and apple-picking and other farm and general work progressed rapidly. At the close of the month wheat was looking good and pastures and meadows were in fair condition.

TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 57.0°. The departure from the normal for 41 stations having ten or more years of record was +2.7°. Warm weather prevailed from the 1st to the 9th and the 28th to the 29th, with the highest readings occurring generally on the 7th. Cool weather prevailed from the 17th to the 20th and at the close of the month, with the lowest temperature occurring generally on the 18th and 19th.

PRECIPITATION

The average precipitation for the State, determined from 88 stations, was 1.66 inches. The departure from the normal for 58 stations having ten or more years of record was −1.47 inches. The precipitation was below the normal for every station. The precipitation was generally greatest over the northern mountain counties and least over the eastern and southern counties. Practically all the precipitation occurred on the 5-6th, 8-9th, 11-12th, 14-17th, 24-25th, and the 29th-31st, the greatest amounts being measured on the 9th, although about one-half of the month's rainfall was received from the 14th to the 17th, inclusive. Snow flurries occurred at a few of the northern mountain stations on the 17th and light snow or snow flurries on the 31st. There were measurable amounts at Cheat Bridge, Terra Alta and Thomas.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 4th, 7th, 8th, 10th, and 23d; Bancroft, 1st to the 7th, 10th to the 24th, 26th and 27th; Elkins, 1st, 3d to the 7th, 10th, 11th, 19th, 20th, 22d, 23d, and 24th; Fairmont, 10th, 22d, 23d, and 24th; Grafton, 26th; Hinton, 1st, 2d, 3d, 6th, 8th, 10th, 19th, 21st to the 24th, and 29th; Huntington, 10th, 19th, 23d, 26th, and 28th; Marlinton, 1st to the 11th, 22d, 23d, and 24th; New Cumberland, 2d, 3d, and 4th; Parkersburg, 19th, 20th, and 23d; Parsons, 22d and 23d; Pickens, 9th; Pt. Pleasant, 5th, 9th, 18th, 20th, and 21st; Rowlesburg, 4th, 5th, 6th, 8th, and 10th; Terra Alta, 5th and 21st; Thomas, 6th, 9th, 10th, 22d, and 23d; Wellsburg, 10th; Wheeling, 3d, 4th, 6th, 10th, 13th, 19th, 21st to the 24th, and 26th; Williamson, 2d, 18th, 21st, 22d, 23d, 25th, 26th, and 29th.

MISCELLANEOUS PHENOMENA (Continued)

Hail, light: Terra Alta and Wheeling, 16th; Parsons, 17th; Williamson, 31st.

Halo, lunar: Elkins, 27th.

Sleet: Elkins, 16th and 17th.

Thunderstorms (dates and number of stations reporting): 5th, 1; 7th, 1; 8th, 6; 9th, 1; 14th, 1; 15th, 2; 16th, 1; 17th, 3; 24th, 1; 25th, 2.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio	30.12	85	52	64	203.4	59	3,868	5.2	19	sw.	27
Columbus, Ohio	30.10	81	56	65	187.0	54	6,272	8.4	31	w.	16
Elkins	30.17	92	54	80	177.7	51	2,684	3.6	29	nw.	16
Lexington, Ky	30.14	80	60	..	195.8	56	8,137	10.9	26	sw.	13
Parkersburg	30.14	85	63	74	173.2	50	2,917	3.9	29	nw.	16
Pittsburgh, Pa	30.12	84	55	64	190.8	55	5,443	7.3	35	w.	25
Wytheville, Va	30.14	81	47	65	206.0	59	3,502	4.7	22	sw.	25

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	51.5	95	21	1.97	2.91	T.	......	7			
1892	52.6	89	24	0.83	1.45	0.21	......	4	......	......	......
1893	54.1	86	16	4.74	7.22	1.00		5	......	......	......
1894	54.4	88	22	2.32	3.85	1.17	T.	7	21	6	4
1895	**48.1**	89	**8**	1.29	2.25	0.16	T.	5	16	8	7
1896	51.0	82	20	2.08	4.37	0.45	T.	7	22	5	4
1897	58.2	95	22	0.53	2.27	0.07	0	3	14	9	8
1898	55.6	95	19	4.84	8.50	2.48	T.	11	18	7	6
1899	56.8	91	19	1.42	3.81	0.23	0	5	11	10	10
1900	**60.9**	97	24	2.33	4.80	1.15	0	5	15	7	9
1901	54.3	86	19	0.54	1.95	0.12	0	3	16	8	7
1902	56.5	87	17	2.63	5.50	0.90	T.	6	19	6	6
1903	54.2	96	15	2.55	4.75	0.80	T.	6	16	8	7
1904	54.5	92	16	1.59	3.02	0.37	T.	5	17	7	7
1905	54.2	95	19	4.71	8.26	2.46	T.	6	18	8	5
1906	54.5	86	12	3.09	8.15	1.64	1.3	12	13	8	10
1907	50.3	87	19	2.65	5.12	0.54	0.1	7	11	6	14
1908	55.1	91	16	1.60	6.88	0.33	T.	5	15	9	7
1909	50.0	88	14	2.79	5.27	0.60	0.1	7	18	7	6
1910	58.1	95	15	1.85	2.96	0.80	0.7	6	16	7	8
1911	56.3	88	23	5.28	9.65	3.27	0	11	18	7	6
1912	55.5	93	20	1.34	3.10	0.20	T.	4	12	7	12
1913	54.5	92	12	4.50	8.11	1.78	0.3	11	18	7	6
1914	57.3	91	14	2.94	6.72	1.37	T.	9	12	6	13
1915	56.6	89	20	4.11	5.55	0.74	T.	6	12	8	11
1916	54.1	97	16	2.38	4.35	0.91	T.	7	17	7	7
1917	49.2	89	16	4.35	6.49	1.18	5.5	10	19	5	7
1918	58.2	89	24	3.68	7.53	1.59	T.	8	15	6	10
1919	62.3	**102**	28	5.84	11.88	2.13	0	14	15	7	9
1920	57.5	90	21	1.15	2.53	0.10	0.1	4	9	7	15
1921	53.7	88	21	2.48	5.76	0.30	0.1	8	22	4	5
1922	55.4	93	18	2.45	4.81	0.39	T.	6	18	5	8
1923	52.1	93	12	1.39	2.41	0.65	T.	6	19	5	7
1924	54.6	87	14	0.40	1.28	**0**	T.	2	19	5	7
1925	49.3	86	14	7.30	**13.08**	2.19	4.3	16	23	4	4
1926	54.9	92	20	4.79	8.74	1.04	0.3	12	5	7	19
1927	57.0	100	21	4.13	11.10	1.14	0.4	8	10	8	13
1928	56.7	94	12	1.98	3.26	0.58	0.1	7	19	4	8
1929	52.6	89	21	6.17	10.93	3.92	0.1	11	14	7	10
1930	50.5	94	**8**	0.96	1.89	0.08	0.2	6	13	6	12
1931	57.0	98	18	1.66	3.03	0.58	T.	8	17	6	8
1891-1931	54.6	102	8	2.82	13.08	0	0.4	7	16	7	8

Climatological Data for October, 1931

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	30	52.8	+3.8	81	7	22	19	52	2.44	−1.47	0.60	T.	11	20	6	5	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	15	54.1	+4.2	84	4†	21	19	48	0.70	−1.53	0.30	0	5	23	1	7	sw.	Elmer Keister
Circleville	Pendleton	......	0	......	......	......	......	......	......	...	0.76	......	0.24	0	9	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	42	......	......	......	......	......	......	...	1.51	−1.53	0.75	0	5	......	......	......	......	J. C. Newcomer
Kearneysville	Jefferson	548	1	59.1	......	89	7	28	20	47	1.11	......	0.65	0	7	12	13	6	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	39	[a]58.0	+3.5	90[a]	6†	28	20	49[a]	1.01	−1.89	0.50	0	7	21	10	0	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	35	58.7	+3.1	93	6	25	19†	52	0.93	−1.34	0.36	0	5	28	1	2	......	M. S. Henkel
Piedmont	Mineral	1,053	18	55.9	+2.6	87	7	30	19	40	0.79	−1.97	0.34	0	5	17	6	8	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	33	[a]57.4	+2.5	90[a]	7	26	20	52[a]	1.07	−1.49	0.30	0	5	20	4	7	......	George E. Bergdoll
Stony River Dam	Grant	3,300	11	......	......	......	......	......	......	...	1.30	−1.80	0.45	T.	6	10	10	11	w.	A. C. Becker
Upper Tract[c]	Pendleton	1,230	32	51.6	......	78	1†	24	19	45	......	......	......	......	......	......	......	......	......	J. M. Mallow
Wardensville	Hardy	1,200	14	[a]57.6	......	98[a]	7	24	18	53[a]	0.96	......	0.62	0	6	17[a]	10[a]	3[a]	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	7	......	......	......	......	......	......	...	1.66	......	0.27	0	12	12	10	9	w.	L. Else Bond
Alma (near)	Tyler	800	4	......	......	......	......	......	......	...	2.24	......	0.70	0	14	14	8	9	......	D. N. Furbee
Alpena	Randolph	2,571	1	51.6	......	76	4†	21	19	42	1.90	......	0.40	0	9	11	14	6	w.	Christian Hertig
Benson	Harrison	1,080	7	56.4	......	85	7	26	19	44	1.80	......	0.29	0	10	13	14	4	......	John A. Clark
Bens Run	Pleasants	652	29	59.8	+3.3	84	6	34	18†	40	2.49	−0.55	0.83	0	6	19	5	7	......	J. D. Riggs
Brownsville	Lewis	1,032	8	56.0	......	81	7	25	19	41	1.89	......	0.61	0	9	19	2	10	......	George M. Meyers
Buckhannon	Upshur	1,411	34	55.5	+1.8	76	3†	30	19	35	1.59	−1.76	0.35	0	8	20	3	8	......	H. A. Darnall
Cairo	Ritchie	680	30	57.6	+1.9	86	7	28	19	45	1.51	−1.45	0.47	0	8	19	4	8	......	Eureka Pipe Line Co.
Cheat Bridge	Randolph	3,558	5	......	......	......	......	......	......	...	2.37	......	0.46	0.4	11	......	......	......	......	Miss Blanche Cromer
Clarksburg	Harrison	1,015	9	56.4	......	87	7	29	19†	42	1.23	......	0.28	0	9	11	12	8	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	8	......	......	......	......	......	......	...	1.82	......	0.51	0	12	17	5	9	w.	George W. Blair
Creston	Wirt	640	29	56.9	+1.2	88	7	28	19	47	1.15	−2.05	0.46	0	4	13	3	15	......	J. M. Reed
Dam 10 Mon. R	Marion	826	10	......	......	......	......	......	......	...	2.05	......	0.45	0	10	......	......	......	......	Lockmaster
Dam 12 O. R	Ohio	660	15	......	......	......	......	......	......	...	1.41	−1.69	0.55	0	10	......	......	......	......	Lockmaster
Dam 13 O. R	Ohio	655	15	......	......	......	......	......	......	...	1.56	−1.42	0.45	0	11	......	......	......	......	Lockmaster
Dam 15 Mon. R	Monongalia	882	10	......	......	......	......	......	......	...	2.09	......	0.81	0	11	......	......	......	......	Lockmaster
Davis	Tucker	3,093	22	......	......	......	......	......	......	...	2.24	−1.86	0.58	T.	9	......	......	......	......	Albert B. Williams
Elizabeth (Dam 3 L. K)	Wirt	615	19	......	......	......	......	......	......	...	1.65	−1.83	0.65	0	9	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	30	53.8	+1.5	82	7	26	19	41	1.50	−1.41	0.34	T.	13	6	14	11	w.	U. S. Weather Bureau
Fairmont	Marion	883	25	59.2	+4.3	92	6	30	19†	46	2.00	−0.93	0.92	0	10	17	5	9	w.	J. C. Robinson
Glenville	Gilmer	738	37	60.0	+4.0	86	4†	31	19	46	1.39	−1.76	0.26	0	9	16	8	7	w.	Howard R. Brannon
Grafton	Taylor	1,000	38	58.0	+2.9	86	6	28	19	43	1.94	−1.23	0.82	0	10	18	1	12	......	W. E. Clayton
Horner	Lewis	1,044	8	......	......	......	......	......	......	...	2.17	......	0.60	0	8	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	6	......	......	......	......	......	......	...	2.55	......	0.99	0	11	16	1	14	nw.	J. W. White
Janelew (near)	Lewis	1,020	8	58.5	......	86	7	27	19	43	1.55	......	0.45	0	8	17	3	11	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	33	53.8	0	78	2	25	19	41	1.28	−1.61	0.50	0	8	11	10	10	w.	Allen Smith
Mannington	Marion	985	28	55.2	+1.6	81	7	28	19	37	2.41	−0.73	0.50	0	16	11	12	8	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	38	......	......	......	......	......	......	...	......	......	......	......	......	......	......	......	......	Prof. E. L. Andrews
New Cumberland	Hancock	671	33	[a]56.8	+2.9	86[a]	7	32	19	38[a]	1.16	−1.62	0.24	0	13	13	7	11	s.	C. H. Hesse
New Martinsville	Wetzel	634	37	60.2	+3.5	90	6	30	18	45	2.00	−0.97	0.80	0	7	17	4	10	s.	Wm. Ankrom
Parkersburg	Wood	638	44	58.4	+2.3	86	7	31	19	36	2.04	−0.44	0.96	0	9	10	7	14	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	31	......	......	......	......	......	......	...	......	......	......	......	......	......	......	......	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	5	......	......	......	......	......	......	...	2.22	−1.07	0.35	0	12	13	9	9	......	Robert T. Deem
Philippi	Barbour	1,550	34	......	......	......	......	......	......	...	1.56	−1.51	0.40	0	8	......	......	......	......	Prof. W. W. Thomson
Pickens	Randolph	2,697	28	53.4	+1.8	81	7	24	18	40	2.72	−1.72	0.63	T.	9	19	2	10	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	8	......	......	......	......	......	......	...	1.28	......	0.24	0	13	20	2	9	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	......	......	......	......	......	......	...	2.02	−1.18	0.46	0	10	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	22	......	......	......	......	......	......	...	1.94	−1.26	0.82	0	11	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	30	51.2	+2.0	80	7	23	18	39	3.03	−0.90	0.60	0.6	13	6	13	12	w.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	2	......	......	......	......	......	......	...	2.47	......	0.54	0.6	10	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	8	58.6	......	87	8	30	18†	42	1.20	......	0.29	0	10	15	5	11	w.	J. C. Campbell
Vandalia	Lewis	1,120	8	......	......	......	......	......	......	...	1.80	......	0.33	0	10	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	24	55.8	+2.4	87	4†	25	19	44	1.79	−1.10	0.40	0	10	16	8	7	w.	George P. Pfister
West Milford	Harrison	979	6	......	......	......	......	......	......	...	1.64	......	0.35	0	9	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	36	58.6	+3.2	85	7	30	19	38	1.75	−1.27	0.26	0	11	7	18	6	......	Weston State Hospital
Wheeling	Ohio	645	44	58.2	+3.4	92	7	29	18	47	1.70	−0.93	0.55	0	13	14	11	6	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	4	......	......	......	......	......	......	...	2.82	......	1.69	0	11	14	10	7	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	5	......	......	......	......	......	......	...	1.11	......	0.32	T.	9	15	8	8	w.	H. S. Sutton
Bancroft	Putnam	574	27	[a]59.0	+2.4	87[a]	7	33	19	43	1.75	−1.30	0.55	0	8	17	0	14	ne.	R. E. Dent
Beckley	Raleigh	2,440	28	59.0	+3.3	82	1	24	19	46	1.77	−1.17	0.77	T.	9	12	12	7	......	L. A. Mauck
Bluefield[d]	Mercer	2,558	36	57.1	+1.4	82	7	27	19	43	0.94	−2.00	0.50	0	6	15	4	8	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	16	......	......	......	......	......	......	...	1.50	−1.62	0.60	0	4	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	28	63.6	+4.8	94	7	36	18†	46	1.22	−1.70	0.40	0	5	22	0	9	......	R. O. Fields
Clay	Clay	706	15	......	......	......	......	......	......	...	1.27	−2.02	0.35	0	8	......	......	......	......	Chilton Wilson
Dam 6 G. K	Kanawha	598	5	......	......	......	......	......	......	...	......	......	......	......	......	......	......	......	......	Lockmaster
Dam 19 O. R	Wood	600	15	......	......	......	......	......	......	...	2.26	−1.06	1.17	0	10	......	......	......	......	Lockmaster
Dam 20 O. R	Wood	600	15	......	......	......	......	......	......	...	2.37	−0.97	1.20	0	7	......	......	......	......	Lockmaster
Dam 25 O. R	Mason	565	4	......	......	......	......	......	......	...	1.86	......	0.78	0	5	......	......	......	......	Lockmaster
Dam 26 O. R††	Mason	564	15	......	......	......	......	......	......	...	1.87	−0.84	0.85	0	5	......	......	......	......	U. S. Engineers Office
Gary	McDowell	1,426	15	57.0	+1.5	86	7	28	18	50	1.11	−2.15	0.65	0	9	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	34	58.4	+1.4	86	4	33	18†	49	0.61	−2.04	0.39	0	6	24	2	5	......	Mrs. M. L. McClung
Huntington	Cabell	538	34	61.5	+5.5	89	7	35	18†	44	1.48	−1.14	0.67	0	9	11	11	9	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	12	......	......	......	......	......	......	...	1.44	−1.88	0.41	0	6	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	15	......	......	......	......	......	......	...	1.96	−1.85	0.43	0	10	......	......	......	......	Cabin Creek. Con Coal Co
Kermit	Mingo	579	5	......	......	......	......	......	......	...	1.00	......	0.28	0	6	......	......	......	......	E. B. Kirk
Kingston	Fayette	1,481	1	......	......	......	......	......	......	...	1.55	......	0.50	0	5	16	0	15	......	Claud J Wriston
Logan	Logan	700	28	......	......	......	......	......	......	...	1.74	−1.11	0.49	0	8	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	32	49.6	0	76	4	18	19	46	1.46	−1.65	0.42	0	6	8	20	3	sw.	S. L. Brown
Point Pleasant	Mason	595	38	59.7	+2.5	89	7	30	19	44	1.73	−1.01	0.50	0	8	15	10	6	w.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	1	53.2	......	81	7	20	19	49	1.63	......	0.45	T.	10	17	3	11	......	H. M. Word. Jr.
Ravenswood (Dam 22)	Jackson	584	8	59.6	+4.0	87	7	29	19	42	1.52	−1.70	0.45	0	5	12	0	19	nw.	Lockmaster
Richwood	Nicholas	2,193	1	55.4	......	81	7	28	18	43	2.59	......	0.55	T.	12	18	2	11	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	31	59.0	+2.4	85	7†	29	19	48	1.66	−1.12	0.56	0	8	17	0	14	......	M. Frazier
Ryan	Roane	700	28	56.6	+4.2	85	23	25	19	49	1.33	−2.04	0.53	0	9	15	8	8	......	Wm E. Ryan
Sharples	Logan	889	11	......	......	......	......	......	......	...	1.97	−0.77	0.72	0	4	......	......	......	......	R. W. Howard
Spencer	Roane	789	27	58.8	+4.0	88	7	29	19	46	1.42	−1.75	0.55	0	6	14	12	5	......	A. M. McKown
Sutton	Braxton	850	25	58.6	+2.0	83	4†	29	19	46	1.25	−2.05	0.30	0	8	23	0	8	......	C. B. Eakle
Union[d]	Monroe	2,250	27	[d]56.6	+2.4	89[d]	3	22[d]	19	48[d]	0.58	−2.39	0.30	0	3	17[c]	6[c]	5[c]	......	W. M. H. Young
Wayne	Wayne	598	4	......	......	......	......	......	......	...	1.92	......	0.43	0	8	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	21	[a]54.0	+1.7	79[a]	6	22	18	47[a]	1.10	−1.76	0.80	0	5	28	1	2	......	A. P. Spence
Williamson	Mingo	673	31	60.4	+2.7	87	7	36	18	44	1.72	−1.09	0.57	0	9	16	8	7	se.	J. E. Dotson
State averages and	extremes	......	....	57.0	+2.7	98	7	18	19	53	1.66	−1.47	1.69	T.	8	16	6	9	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for October, 1931

Stations	Drainage-basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac								.08	.20		.07	.25		.18		.39	.60											.10	.25	.03	.29	2.41
Brandywine	do						.20	.05							.05			.10							T.	T.			T.	.30			0.70
Circleville	do								.02	.12	.01		.13		.11	.05			.02							.03				.24			0.73
Harpers Ferry ‖	do														.17	.02	.26	.01												[illegible]			1.51
Kearneysville	do									.04					.21	.12	.01	.02												.65		.03	1.11
Martinsburg ‖	do								.02	.12			T.		.25	.05	.05										.02			.50			1.01
Moorefield	do							.05		.20					.15			.17												.36			0.93
Piedmont	do							.05				.04			.31		.18												.18		T.		0.79
Romney‖	do								.16	.22					.11			.30												.28			1.07
Stony River Dam	do									.25			.10			.08	.02	.45														.40	1.30
Upper Tract	do																																.....
Wardensville‖	do									.05		T.			.05	.05	.05	.11												.62			0.96
Northern Division																																	
Aberdeen	Monongahela					.14			T	.27		.01	.10		.23	.18		.18								.08			.15	.09	.05	.18	1.66
Alma (near)	Ohio					.18	.01		.70	.04		.04			.57	.02	.14	.09							.07				.15	.01	.02	.20	2.24
Alpena	Monongahela									.23	.17	T.			.40	.17	.04	.22											.25	.29		.13	1.90
Benson	do								.26	.25			.12	.27	.20	.05										.07			.21	.05		.29	1.80
Bens Run	do					.36			.70			T.			.83		.15	.15							T				T		T.	.30	2.49
Brownsville	do					.15	T.		.05						.61	.15	.10	.29							.29	T.			.13	.12			1.89
Bruceton Mills	do																																.....
Buckhannon	do					.15			.21						.35	.21	.20	.12							T.	.08			.27		T.		1.59
Cairo	Little Kanawha					.05	.06		.29	.21					.47			.18							.07				.18				1.51
Cheat Bridge‖	Monongahela								.12	.24			.40		.21	.15	.11	.13								.33				.46	.08	.14	2.37
Clarksburg ‖	Little Kanawha						.06			.25					.08	.22	.04	.24								.03				.28	T	.03	1.23
Crawford ‖	do								.51			.01	.09		.36	.27	.09	.07							.03				.12	.22	.06	.05	1.82
Creston‖	Monongahela									.30						.46	.23													.16			1.15
Dam 10, Mon. R.‖	Ohio						.07			.45			.07		.19	.41	.22	.26								.06				.23		.09	2.05
Dam 12, O. R.‖	do						.12			.19			.07		.12	.55	.16	.05	.02											T.	.01	.12	1.41
Dam 13, O. R.‖	Monongahela						.09		T	.45			.09		.25		.05	.42								.05			.02	.03	.03	.08	1.56
Dam 15, Mon. R.‖	do						.11	.06		.81			.80		.28	.30	.05	.18								.04				.14		.04	2.09
Davis ‖	do							.01		.58			.31		.03	.20		.53										.01		.47		.10	2.24
Elizabeth(D'm 3 LK)	Little Kanawha					.12				.65			.05		.08	.34	.10	.05							.13					.15			1.67
Elkins***	Monongahela					T.	T.		.34			.12	.02		.07	.13	.16	.04							.08	.07			.33	.02	.08	.04	1.50
Fairmont‖	do						.12	.08		.92			.08			.29	.02	.12								.04				.19	T.	.14	2.00
Glenville‖	Little Kanawha						T.			.21			.10		.14	.26	.22	.08								.05				.26		.07	1.39
Grafton ‖	Monongahela					.05			.82			.10			.10	.13		.30							.03				.13		.13	.15	1.94
Horner	do					.42				.15			.08		.22			.30												.60	.25	.15	2.17
Horton	do						.99	.09	.08	T			.16		.20	.08		.28								.20			.05	.33		.09	2.55
Janelew (near)	do					.15				.15			.20		.45	.10									.15						.20	.15	1.55
Lost Creek	do					.10			.09	T		T	.17		.50	T.	.03	T.							.02	T			.07	T.	T.	.30	1.28
Mannington	do					.17	.16	.01	.41	.09		.02	.09		.48	.07	.15	.20							.03				.17	.05	.01	.30	2.41
Morgantown	do																																.....
New Cumberland‖	Ohio					.20		.22	.02	.11			.10		.08	.04		.24								.07			.02	.02	.02	.02	1.16
New Martinsville	do					.20			.80	.05					.65		.10								.10							.10	2.00
Parkersburg***	do					.07		T.	.96			.03		T.	.68	.02	.04								.10				T.	T.	.02	.12	2.04
Parsons	Monongahela																																.....
Parsons No. 2	do						.25		.10				.25		.15	.14	.18	.35							T.	.12			.23	.14	.06	.25	2.22
Philippi	do														.40	.29	.06	.10								.18				.28	.05	.20	1.56
Pickens	do								.20				.42		.40	.33	.19	.27							T.				.58	.05		.28	2.72
Roanoke	do								.09	.11			.07		.20	.10	.08	.12							.07	.04		.13	.11		.07	.09	1.28
Rowlesburg‖	do						T	.18		.46			.36		.06	.18	.06	.32								.02				.26	.04	.08	2.02
Saint Marys‖	Ohio						.07			.82			.05		.07	.61	.07	.02								.05			T.	.01	.02	.15	1.94
Terra Alta	Monongahela	T.				T.	.26			.25			.28		.34	.07	.17	.60	.02						.01				.28	.06	.20	.49	3.03
Thomas ‖	do									.54			.33		.03	.21	.07	.52	.10	T.										.50	.04	.13	2.47
Valley Chapel	do					.12			.13	.17		T.	.09		.29	T.	T.	.10							.02	T.			.12	.09	T.	.07	1.20
Vandalia	do									.30		.10			.25	.16	.33	.09								.10				.32	.07	.08	1.80
Wellsburg	Ohio					.16		.22	.30			T.	.08		.15	.06	.25	.40							.16	T.			T.	T.	T.	.01	1.79
West Milford	Monongahela					.10			.12	.28					.35	.09		.08											.20	.12		.30	1.64
Weston	do						.22			.21			.12		.18	.21	.07	.26								.11				.18	.03	.16	1.75
Wheeling‖	Ohio					.05	.07		.02	.25			.06		.26	.55	.20	.05	.02							.05				T.	.02	.10	1.70
Woodlands‖	do				.02	.01	.20	.02	.04	1.69					.24	.30		.21													.04	.05	2.82
Southern Division																																	
Arbovale	Great Kanawha						.08	T	T	.07					.20	.09	.01	.13							T.	.10			.11	.32		T.	1.11
Bancroft ‖	do									.28			.07		.34	.16	.55	.02								.14				.19			1.75
Beckley	do									.01			.21		.77	.11	T.								.08	T.			.14	.56	.04	.05	1.77
Bluefield	do									.09					.14	.12									.04				.05	.50			0.94
Camden-on-Gauley‖	do												.60			.22			.24											.41			1.50
Charleston ‖	do														.24	.26	.40													.26		.06	1.22
Clay‖	do						T.			.12			.07		.12	.22	.22	.11								.06			T.	.35	T		1.27
Dam 6 G. K ‖	do																																......
Dam 19 O. R. ‖	Ohio					.03	.02		.09	1.17			.04		.24	.37	T.	.02								.20			T.	T.		.08	2.26
Dam 20 O. R. ‖	do									1.20			.04		.26	.72	.06												.01			.08	2.37
Dam 25 O. R. ‖	do									.78			T.		.23	.30	.25									.30							1.86
Dam 26 O. R. ‖	do									.53			.02		.29	.85										.18							1.87
Gary ‖	Big Sandy							.01						.01	.31	.05	.02	.01								.02				.65		.03	1.11
Hinton‖	do						T.			T			.08		.09	.02										.01				.39		.02	0.61
Huntington	Ohio								.07	.03		T.	.04		.67		.33								.18				.08		.01	.07	1.48
Kanawha Falls‖	Great Kanawha														.40	.30	.09									.13				.41		.11	1.44
Kayford‖	do								.43	.05			.42		.36	.16	.03	.01								.10				.39		.01	1.96
Kermit‖	Big Sandy									.12					.18	.08										.26			.08	.28			1.00
Kingston	Great Kanawha											.27			.49											.25			.50		.04		1.55
Lewisburg	do																																.....
Logan‖	Guyandotte									.22			.16		.49	.17	.15									.20			.18	.37			1.94
Marlinton	Great Kanawha						.12								.38	.06									.24				.42			.24	1.46
Point Pleasant‖	Ohio									.50			.02		.25	.30	.25									.32				.05		.04	1.73
Rainelle	Meadow Creek									.02			.19		.37	.05									.10	.08			.09	.45	.13	.15	1.63
Ravenswood(Dam 22	Ohio‖									.40					.15	.45	.25									.27							1.52
Richwood	Great Kanawha									.20			.38		.55	.30	.05	.17							.08	.20			.17	.32	.07	.10	2.59
Robertsburg‖	do									.40			.02		.03	.40	.56									.18			.02	.05			1.66
Ryan	do									.17					.53	.05	.26								.01				.28	.01	.01	.01	1.33
Sharples‖	Coal River									T.					.72										.40				.32	.53	T.		1.97
Spencer ‖	Great Kanawha									.08			T.			.55	.40	.04								.05				.30			1.42
Sutton	Gauley								.10	.10			.10		.15	.30													.15	.25	.10		1.25
Union	do														T	.12									T.				.13	.33		T.	0.58
Wayne ‖	Big Sandy									.13			.12		.17	.43	.37									.31				.19		.02	1.92
White Sulpr. Spgs.‖	Great Kanawha											.05			.10										.05				.80			.10	1.10
Williamson‖	Big Sandy									.11			.23		.24	.22	.03									.26			.17	.40		.06	1.72

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for October, 1931

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	69	73	75	89	75	80	81	76	63	66	70	65	65	69	67	62	50	50	65	68	69	72	77	68	63	57	72	63	60	45	43	66.7
	Minimum	35	46	41	37	40	46	49	60	45	30	32	49	50	45	55	38	34	30	22	24	38	34	30	32	55	39	29	40	40	30	33	39.0
Brandywine	Maximum	78	82	80	84	82	80	82	84	70	60	75	70	65	65	75	70	52	52	56	72	75	76	78	74	67	65	65	60	61	60	55	70.0
	Minimum	42	45	50	45	46	45	52	50	49	34	35	45	28	46	42	45	39	23	21	24	32	33	34	39	40	35	28	40	39	27	32	38.2
Kearneysville	Maximum	78	81	81	85	83	88	89	85	73	70	70	62	62	68	78	66	59	67	65	75	76	71	73	74	72	73	72	69	67	59	57	72.5
	Minimum	49	49	53	54	52	56	62	66	49	37	42	42	30	47	56	51	45	41	30	28	43	37	33	40	52	47	40	54	53	39	40	45.7
Martinsburg‖	Maximum	81	80	82	83	83	90	90	85	64	74	78	45	63	70	75	67	55	55	70	77	73	73	73	73	75	63	75	70	68	60	..	72.3
	Minimum	43	14	53	55	59	59	59	64	49	37	39	43	30	37	47	50	46	40	29	28	22	34	34	43	43	48	48	45	51	38	40	43.8
Moorfield	Maximum	79	85	86	87	87	93	91	86	72	70	88	77	67	66	77	70	58	58	66	77	82	75	77	75	76	69	76	78	72	65	61	75.7
	Minimum	39	52	48	48	49	51	52	58	52	40	38	40	32	47	53	46	39	34	25	25	35	38	34	41	53	42	34	45	35	30	38	41.7
Piedmont	Maximum	73	77	79	80	79	84	87	79	63	65	75	63	57	57	71	58	46	53	62	71	73	68	71	70	75	66	77	66	64	51	47	68.0
	Minimum	43	48	50	51	50	54	59	58	45	40	40	37	31	44	54	44	41	37	30	31	42	40	37	41	56	44	39	45	48	38	40	43.8
Romney‖	Maximum	80	83	84	87	83	88	90	84	66	70	75	65	65	58	74	64	53	58	68	77	78	74	76	72	73	66	78	67	69	58	..	72.8
	Minimum	38	48	49	49	48	53	59	63	50	39	39	38	30	34	49	46	42	39	28	26	28	39	32	36	42	46	37	46	51	36	38	41.9
Upper Tract	Maximum	78	78	77	75	73	74	73	71	71	70	70	70	..	..	..	54	57	50	65	70	71	75	78	78	69	61	63	64	61	50	51	67.8
	Minimum	40	39	39	36	44	45	45	41	35	36	35	42	..	..	..	28	27	27	24	25	26	36	38	36	43	43	40	32	31	29	28	35.4
Wardensville	Maximum	79	81	84	83	83	88	98	82	65	85	78	65	65	71	77	64	58	65	77	78	75	80	81	71	71	64	74	70	81	59	..	75.1
	Minimum	37	47	46	46	42	42	56	60	51	32	34	39	28	39	50	46	40	24	25	33	36	29	31	42	49	49	30	40	51	35	30	40.0
Northern Division																																	
Alpena	Maximum	67	71	72	76	72	72	76	71	62	68	69	61	66	66	64	62	47	49	62	65	61	71	75	64	60	55	70	66	63	50	40	64.3
	Minimum	36	43	41	39	43	45	53	54	48	34	37	42	29	49	52	41	33	28	21	23	35	32	34	38	49	39	28	50	42	30	34	38.8
Bens Run	Maximum	79	82	81	81	75	84	87	77	66	70	74	69	75	66	72	65	59	60	68	72	77	79	81	68	70	66	78	68	65	57	47	71.5
	Minimum	48	58	51	54	56	59	61	59	51	43	48	43	44	55	60	51	40	34	34	36	42	46	48	48	59	37	38	53	45	42	41	48.0
Buckhannon	Maximum	64	66	76	74	73	76	74	75	65	65	71	66	68	65	67	67	54	57	59	64	65	70	73	66	66	57	72	64	61	55	48	65.9
	Minimum	44	46	51	48	52	54	58	61	53	28	43	45	38	55	55	53	42	31	30	31	37	46	43	44	54	35	37	49	47	46	42	45.1
Cairo	Maximum	79	79	80	82	84	82	86	71	67	71	74	72	71	72	74	76	65	58	66	73	76	79	81	69	71	72	78	69	66	59	49	72.6
	Minimum	41	51	46	46	44	50	57	60	52	38	43	45	37	53	51	48	41	31	28	29	35	49	41	40	30	30	33	48	45	37	42	42.6
Clarksburg ‖	Maximum	76	77	79	84	79	84	87	74	64	74	74	60	74	66	71	53	47	57	69	71	75	78	81	68	67	63	78	63	67	50	47	69.6
	Minimum	41	43	50	48	49	53	56	60	50	40	41	42	39	49	58	49	42	30	29	29	35	39	43	41	46	32	34	38	47	43	41	43.1
Creston	Maximum	78	80	75	81	79	83	88	73	67	70	75	74	74	66	73	70	60	58	68	70	76	79	80	71	70	63	79	72	65	60	50	71.8
	Minimum	41	47	50	11	50	56	55	58	52	39	43	46	37	33	37	53	40	31	28	29	34	37	40	38	52	30	32	47	44	37	41	42.0
Elkins	Maximum	72	74	76	78	75	80	82	76	61	70	72	60	69	66	67	53	43	50	62	67	69	71	78	68	64	57	74	64	61	47	44	61.1
	Minimum	39	49	47	47	48	52	57	54	44	40	39	40	35	52	47	43	38	29	26	29	33	36	42	39	46	34	33	52	43	37	38	41.5
Fairmont‖	Maximum	75	80	78	88	77	92	90	70	69	75	78	68	77	67	74	59	50	60	70	76	79	80	85	68	69	67	77	61	72	53	46	71.9
	Minimum	48	62	53	55	60	62	62	63	19	41	43	41	41	46	58	53	42	33	30	30	41	43	44	46	51	36	38	45	48	40	41	46.6
Glenville	Maximum	81	83	83	86	83	85	86	78	70	74	78	74	74	78	74	72	62	64	70	75	78	80	84	83	79	77	80	67	74	70	50	75.9
	Minimum	44	50	52	50	51	56	57	61	53	42	45	45	39	42	54	46	38	32	31	32	35	40	45	41	46	33	34	46	41	39	43	44.0
Grafton	Maximum	76	78	79	84	79	86	85	77	69	74	74	65	72	66	72	72	54	57	69	65	76	78	71	72	71	65	79	67	68	51	50	71.1
	Minimum	42	58	50	50	50	53	59	60	50	39	40	40	40	53	60	19	43	32	28	30	57	41	43	44	37	32	36	48	46	38	41	44.8
Lost Creek	Maximum	70	78	72	71	71	73	74	74	65	61	70	69	66	65	61	60	55	53	51	66	69	72	71	68	66	60	72	70	60	56	48	65.7
	Minimum	40	54	49	45	48	50	35	60	50	36	40	40	35	54	59	48	41	26	25	26	34	36	41	40	58	30	31	48	43	38	39	41.9
Mannington	Maximum	71	74	74	77	72	79	81	73	61	65	71	65	67	65	68	61	55	52	60	66	70	71	75	65	67	60	71	65	63	49	47	66.5
	Minimum	41	55	49	48	49	54	58	59	49	37	41	41	37	53	59	51	42	30	28	29	36	42	43	42	55	31	35	46	46	35	40	43.9
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Cumberland‖	Maximum	72	78	82	84	82	84	86	69	65	67	71	59	68	66	71	61	47	55	65	71	72	75	79	64	65	62	72	64	67	48	..	69.0
	Minimum	48	52	53	52	53	59	60	65	48	39	40	37	37	46	51	46	42	35	32	35	37	40	41	45	50	35	38	44	42	37	43	44.6
New Martinsville	Maximum	78	85	86	89	83	96	89	80	69	76	75	75	75	67	76	68	57	62	73	76	81	83	85	73	72	70	79	75	70	61	47	75.0
	Minimum	43	55	51	51	52	56	60	57	48	40	44	39	41	54	58	49	40	30	31	31	38	14	46	43	57	37	36	51	44	37	41	45.3
Parkersburg	Maximum	80	80	79	83	78	80	86	74	64	70	73	60	71	65	71	61	50	57	65	70	76	77	80	64	67	64	77	65	64	50	48	69.3
	Minimum	49	57	55	53	58	59	64	56	49	41	50	44	45	58	57	47	38	34	31	34	42	46	47	50	50	40	41	48	46	44	43	47.6
Parsons	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Pickens	Maximum	72	75	74	75	76	80	81	76	60	69	68	66	69	62	65	51	47	50	64	68	70	73	77	67	64	70	75	54	61	41	43	65.9
	Minimum	42	46	43	47	52	53	55	55	49	37	42	40	40	48	45	45	34	24	26	32	37	40	44	45	30	30	41	50	32	34	30	40.9
Terra Alta	Maximum	67	71	75	77	73	77	80	68	64	65	67	30	62	60	55	59	40	49	62	64	69	71	75	67	63	56	71	58	59	42	50	63.7
	Minimum	53	43	39	44	47	51	58	45	30	34	36	33	42	55	40	34	30	23	25	41	36	33	36	38	37	30	41	44	33	33	32	38.6
Wellsburg	Maximum	72	80	82	87	83	83	87	74	67	71	71	63	67	66	71	64	52	60	65	70	73	74	77	65	66	63	71	63	65	56	49	69.6
	Minimum	41	50	47	45	52	55	57	57	47	38	41	33	32	54	56	43	41	31	25	26	38	35	39	39	50	30	36	50	38	36	42	42.1
Weston	Maximum	78	78	79	81	83	82	85	84	72	72	75	72	71	70	72	70	58	60	68	69	75	76	75	74	69	65	74	70	69	65	49	72.3
	Minimum	44	54	52	48	52	56	58	60	54	34	44	45	38	37	60	50	45	31	30	32	38	40	44	45	60	34	36	40	48	39	41	44.8
Wheeling‖	Maximum	79	85	82	90	85	90	92	70	72	77	71	64	74	74	73	62	54	63	69	79	79	84	65	73	71	69	74	64	72	60	55	73.3
	Minimum	48	45	36	52	50	55	58	60	45	45	46	44	43	42	55	43	42	29	39	36	38	43	43	42	32	32	35	40	41	36	42	43.1
Southern Division																																	
Beckley	Maximum	82	81	80	80	79	76	81	80	79	77	76	75	75	74	72	75	74	74	70	70	72	74	79	77	76	75	75	73	72	71	70	75.6
	Minimum	39	42	47	47	51	56	56	55	47	35	43	39	45	46	55	46	37	45	24	30	31	36	38	42	54	34	34	47	41	33	33	42.3
Bluefield	Maximum	75	77	78	..	79	75	82	76	72	66	..	76	60	70	67	63	51	..	68	70	75	80	81	74	..	71	77	70	62	55	54	70.6
	Minimum	44	44	49	..	49	56	57	56	57	43	..	46	46	48	54	45	38	..	27	33	38	39	42	31	..	35	35	51	44	38	33	43.6
Charleston ‖	Maximum	82	88	87	88	91	84	94	92	72	80	80	74	78	67	82	64	74	72	78	80	83	85	86	70	78	74	81	64	74	64	64	78.5
	Minimum	48	50	50	56	60	60	64	64	57	49	49	55	50	53	60	54	46	36	36	36	39	43	47	48	48	38	38	40	46	46	44	48.7
Gary ‖	Maximum	75	80	81	82	83	77	86	80	62	72	81	67	69	69	71	59	52	57	71	72	75	82	81	68	72	68	81	62	66	52	47	71.1
	Minimum	41	43	46	47	51	53	57	59	60	47	42	57	48	52	53	48	42	28	29	30	32	34	36	38	41	32	31	33	45	37	39	42.9
Hinton ‖	Maximum	81	83	85	86	83	80	85	82	66	79	78	70	63	62	74	58	55	60	75	78	79	81	85	64	72	69	82	57	68	55	49	72.4
	Minimum	44	45	49	50	51	53	60	61	61	47	15	46	47	49	50	48	43	33	33	33	31	39	42	42	42	37	33	34	45	39	39	44.3
Huntington	Maximum	83	84	86	87	84	79	89	78	77	72	80	75	76	70	76	63	63	63	68	76	79	80	82	67	73	65	82	73	73	57	57	74.7
	Minimum	48	52	53	53	56	61	59	61	54	44	49	50	49	60	56	53	42	35	35	35	41	44	44	46	57	38	38	53	45	44	42	48.3
Marlinton	Maximum	70	72	70	76	74	74	74	70	66	62	72	68	58	52	64	52	50	48	60	66	68	72	72	60	62	58	68	54	52	46	44	63.0
	Minimum	36	40	44	44	44	48	52	48	50	40	48	46	30	42	46	40	34	24	18	20	26	30	36	30	44	26	22	30	30	28	30	36.3
Point Pleasant	Maximum	82	84	82	86	83	81	89	75	74	73	75	75	68	70	74	68	64	63	70	75	78	80	84	73	73	68	80	69	68	65	51	74.2
	Minimum	45	47	50	50	54	56	59	58	48	40	47	43	43	55	52	49	48	32	30	33	38	40	41	45	56	34	36	50	40	40	41	45.2
Rainelle	Maximum	74	75	77	79	77	78	81	76	65	69	76	66	60	60	69	57	50	51	69	69	72	76	78	63	66	60	74	59	60	49	44	67.1
	Minimum	35	39	44	42	43	53	55	53	52	40	35	50	42	44	54	43	37	28	20	24	29	32	37	34	50	31	27	36	41	33	35	39.3
Ravenswood	Maximum	80	82	81	84	82	81	87	79	69	72	74	78	72	70	73	70	60	58	67	71	76	79	81	76	69	67	79	76	65	65	49	73.3
	Minimum	45	50	52	50	54	56	59	61	53	41	43	46	43	56	59	51	41	31	29	31	39	12	40	46	55	35	37	51	12	39	43	45.8
Richwood	Maximum	72	75	76	77	78	76	81	76	70	72	73	69	65	65	67	66	51	51	66	67	70	74	78	72	75	68	74	74	60	57	47	69.1
	Minimum	39	42	44	45	48	50	52	57	53	40	42	47	45	51	55	47	37	28	29	30	33	31	49	40	38	34	33	43	47	34	37	41.6
Robertsburg‖	Maximum	83	81	78	73	80	84	85	77	70	75	72	70	72	75	78	65	58	62	74	78	70	82	85	74	72	71	83	60	70	54	56	73.1
	Minimum	46	50	52	50	55	54	57	60	53	40	45	47	47	45	50	50	40	31	29	33	38	40	42	44	57	34	35	45	42	36	44	44.9
Ryan	Maximum	80	80	82	83	82	80	80	78	80	73	70	70	75	65	70	60	54	55	55	60	75	80	85	65	72	80	65	70	65	50	50	70.6
	Minimum	39	44	48	54	62	53	65	58	48	38	38	41	39	52	55	50	38	27	25	27	32	36	36	38	44	32	40	45	39	35	39	42.5
Spencer ‖	Maximum	80	81	83	85	82	84	88	75	66	75	60	76	76	76	74	60	53	60	70	74	77	80	82	80	72	66	80	63	64	53	48	72.4
	Minimum	42	47	51	49	52	57	58	60	53	41	42	50	53	41	53	53	40	31	29	30	34	39	40	41	50	43	34	58	45	41	43	45.2
Sutton	Maximum	79	79	82	83	83	79	80	80	71	70	72	72	71	71	70	70	60	56	68	71	76	79	80	80	66	65	79	79	62	62	50	72.4
	Minimum	43	46	49	48	50	55	57	50	53	45	44	49	41	58	58	53	41	31	29	30	34	37	42	56	57	32	33	46	47	38	40	44.9
Union	Maximum	77	79	89	..	82	81	84	84	77	72	..	78	66	64	71	69	53	..	68	73	75	78	79	80	..	69	77	76	62	62	52	73.2
	Minimum	36	39	45	..	43	54	64	54	58	35	..	38	40	42	53	43	38	..	22	25	29	35	37	36	..	35	29	40	43	30	37	40.0
White Sulphur Spgs.	Maximum	75	74	76	76	76	79	76	71	72	75	70	60	61	69	58	50	56	66	69	73	71	75	73	70	70	74	67	66	56	46	..	68.3
	Minimum	40	45	49	45	51	55	55	58	41	38	45	39	43	50	45	40	26	22	24	29	33	37	38	48	33	27	35	41	31	33	32	39.6
Williamson‖	Maximum	83	85	82	86	85	83	87	85	64	75	82	61	71	66	77	62	60	62	72	71	79	81	83	62	73	69	81	69	66	55	49	73.1
	Minimum	47	51	53	54	56	58	61	62	57	51	46	49	50	55	59	55	44	36	37	37	37	43	43	43	46	40	37	38	46	43	42	47.6

‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.115	.092	.148	.052	.112	.047	.057	.132	.019	.101	.090	.042	.113	.060	.001	.109	.105	.038	.078	.077	.089	.089	.045	.098	.031	.178	.089	.079	.013	.098	.030	2.427
	Wind movement	22	29	28	12	36	4	18	24	77	45	22	91	68	17	21	43	30	63	35	27	17	20	13	13	57	67	29	22	29	30	84	1,093

(WBO, Cleveland, 11-23-31—900)

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

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WEST VIRGINIA SECTION

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HENRY C. HOWE, Meteorologist

Vol. XXXIX Parkersburg, W. Va., November, 1931 No. 11

GENERAL SUMMARY

The past month was the warmest November of State record, the average temperature, 51.3°, being 1° higher than for the warm November in 1902, and more than 8° higher than the November normal. The highest temperature of November record, 88°, was noted. For nearly three consecutive weeks the temperature was generally much above the normal. The precipitation was about 1 inch below the normal, but it was well distributed over the State and throughout the month, except over most of the extreme northeastern counties, where conditions were reported as droughty as for the fall of 1930. The snowfall was exceptionally light and fell mostly in the northern counties. During most of the month the fields and pastures were green and stock remained in the pastures until near the end of the month.

TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 51.3°. The departure from the normal for 42 stations having ten or more years of record was +8.6°. The temperature was somewhat below the normal until the 8th, when an exceptionally long and warm weather period set in and continued until the end of the month, excepting the 26-27th, when the temperature was considerably below the normal. The lowest temperatures occurred on the 7th and 26th and the highest generally from the 17th to the 20th

PRECIPITATION

The average precipitation for the State, determined from 89 stations, was 1.81 inches. The departure from the normal for 61 stations having ten or more years of record was −1.08 inches. Practically all the rainfall occurred on the 1st, 8th, 11-14th, 18th, 27th and the 29-30th, the greatest amounts being measured on the 13th, 18th, 27th, and 30th. Light snow or snow flurries were noted on the 1st, 7th, 26th and 27th, but measureable amounts were recorded at only fourteen northern stations. The greatest amount recorded, 4 inches, was at Wellsburg.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 15th, 22d, 24th, and 28th; Bancroft, 5th, 10th, 15th, and 19th; Clay, 15th; Elkins, 9th, 10th, 16th, 17th, 19th, 22d, 23d and 24th; Fairmont, 19th; Glenville, 12th and 19th; Grafton, 12th; Hinton, 3d, 5th, 9th, 10th, 13th, 17th, 23d, 24th, 29th and 30th; Huntington, 10th and 27th; Marlinton, 8th to the 11th, 15th, 17th, and from the 22d to the 24th; Martinsburg, 18th; New Cumberland, 14th, 22d and 23d; Parkersburg, 22d; Parsons, 20th and 21st; Pickens, 27th; Pt. Pleasant, 5th, 19th, and 22d; Terra Alta, 1st, 13th, 14th, and 27th; Wellsburg, 16th, 17th, and 23d; Wheeling, 4th, 5th, 7th, 9th, 10th, 14th, 15th, 17th, 19th, 23d and 24th; Williamson, 2d, 3d, 5th, 10th, 12th, 15th,

MISCELLANEOUS PHENOMENA (Continued)

19th, 24th, and 26th.

Halo, lunar: Parkersburg, 17th.

Sleet: Richwood, 1st; Elkins and Huntington, 26th; Arbovale, Bayard, Elkins, Kearneysville, Martinsburg, Moorfield, and Parkersburg, 27th.

Thunderstorms: Bens Run, 8th; New Cumberland, 13th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio	30.18	80	61	70	152.9	51	4,525	6.3	26	se.	20
Columbus, Ohio	30.17	82	65	71	121.8	41	7,149	9.9	32	w.	5
Elkins	30.25	88	60	72	140.6	46	3,406	4.7	22	s.	20
Lexington, Ky	30.22	81	66	..	126.6	42	8,416	11.7	38	..	20
Parkersburg	30.22	79	61	68	121.3	40	3,250	4.5	21	nw.	5
Pittsburgh, Pa	30.20	81	60	66	145.9	49	6,509	9.0	36	w.	5
Wytheville, Va	30.23	79	57	67	170.0	55	4,186	5.8	27	nw.	5

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly cloudy	Cloudy
1891	42.5	80	8	3.04	......	......	......	8	......	......	......
1892	41.7	81	3	3.10	......	......	......	......	......	......	......
1893	41.4	74	3	2.12	3.22	0.47	......	8	13	6	11
1894	39.8	82	5	2.11	3.47	0.25	......	8	12	6	12
1895	44.6	87	12	2.35	4.00	0.20	......	9	12	8	10
1896	48.1	80	10	3.50	5.07	1.56	......	8	10	8	12
1897	45.0	76	13	4.45	7.15	0.30	......	13	9	9	12
1898	41.4	75	−3	2.84	4.74	1.00	......	10	9	11	10
1899	45.6	76	14	1.93	3.49	0.20	T.	8	11	9	10
1900	45.5	86	9	5.20	8.88	2.71	2.8	10	8	8	14
1901	38.0	79	7	2.51	5.35	1.23	4.3	7	8	6	16
1902	50.3	83	12	3.27	4.56	1.23	0.7	7	11	6	13
1903	38.0	80	4	2.46	4.98	0.67	4.6	9	11	8	11
1904	41.2	75	9	0.64	3.05	0.07	1.4	4	12	7	11
1905	41.8	74	10	2.44	5.67	0.67	T	9	13	7	10
1906	44.2	84	13	2.39	5.50	0.35	2.2	6	15	5	10
1907	41.8	74	13	3.40	7.05	1.41	1.0	9	10	8	12
1908	43.3	81	0	1.14	2.73	0.48	5.2	5	15	8	7
1909	49.1	81	12	1.34	3.85	0.23	0.2	7	14	7	9
1910	37.3	75	5	1.95	4.41	0.66	1.8	9	8	7	15
1911	40.5	83	7	2.74	5.51	1.27	2.0	8	10	7	13
1912	42.8	78	2	1.69	4.08	0.40	0.9	6	14	7	9
1913	44.5	82	−1	4.49	7.50	0.61	13.4	10	12	5	13
1914	42.6	84	[illegible]	1.32	2.27	0.50	2.9	5	16	6	8
1915	45.2	85	11	3.06	5.99	1.15	1.1	9	13	8	9
1916	43.8	81	8	1.77	3.07	0.75	0.3	6	16	5	9
1917	39.6	73	0	0.89	3.65	**0.05**	1.5	10	16	4	10
1918	42.9	79	12	1.89	4.60	0.64	0.2	6	13	5	12
1919	44.4	80	10	4.51	7.53	0.85	0.3	10	12	6	12
1920	41.6	80	5	3.21	5.69	1.47	4.1	10	9	4	17
1921	46.1	85	11	5.99	8.81	2.52	0.8	13	7	6	17
1922	43.8	80	2	1.15	2.49	0.17	1.3	6	12	4	14
1923	42.3	73	10	3.49	5.35	1.70	0.7	11	13	3	14
1924	42.9	87	9	2.05	4.11	0.45	4.1	9	16	6	14
1925	40.6	78	6	3.66	6.62	0.65	0.9	9	11	5	14
1926	40.7	82	4	3.59	6.67	1.59	0.6	9	10	5	15
1927	48.1	82	7	4.35	7.61	0.91	1.6	12	7	7	16
1928	41.0	81	9	3.31	**9.41**	0.65	2.9	12	6	6	18
1929	42.9	83	−9	4.52	8.10	1.74	3.6	13	7	5	18
1930	42.3	80	**−14**	1.42	4.45	0.46	4.8	9	11	6	13
1931	**51.3**	**88**	11	1.81	2.96	0.25	0.2	9	13	6	11
1891 1931	43.2	88	−14	2.76	9.41	0.05	2.2	9	12	6	12

Climatological Data for November, 1931

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	30	47.4	+ 8.6	73	17†	15	7	40	2.27	−1.04	0.79	T.	7	17	3	10	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	15	47.0	+ 6.2	75	16	14	7†	38	0.55	−1.36	0.25	0	4	19	0	11	s.	Elmer Keister
Circleville	Pendleton	...	0	...	...	...	...	...	...	...	0.69	...	0.29	0	11	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	42	...	...	...	...	...	...	...	0.40	−1.65	0.22	0	4	...	...	...	...	J. C. Newcomer
Kearneysville	Jefferson	548	1	52.0	...	79	12	24	7	41	0.56	...	0.25	0	4	7	16	7	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	39	[a]51.2	+ 8.1	80[a]	12†	28	7	45[a]	0.62	−1.65	0.25	0.2	6	23	6	1	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	35	53.1	+ 9.1	81	12	11	7	45	0.25	−1.38	0.25	T.	1	26	1	3	...	M. S. Henkel
Piedmont	Mineral	1,053	18	50.1	+ 8.2	75	12†	20	7	39	0.76	−1.31	0.28	1.0	7	9	11	10	nw.	C. A. Suter, Jr.
Romney[a]	Hampshire	824	33	50.4	+ 7.4	81	12	19	7†	47	0.32	−1.54	0.20	0	2	15	5	9	...	George E. Bergdoll
Stony River Dam	Grant	3,300	11	...	...	...	...	...	...	...	0.98	−2.11	0.35	0.5	9	7	4	19	w.	A. C. Becker
Upper Tract[b]	Pendleton	1,230	32	49.8	+ 6.0	75	15	15	7	47	...	...	...	...	...	...	...	...	...	J. M. Mallow
Wardensville	Hardy	1,200	14	[c]50.0	...	80[c]	12	16[b]	7	50[d]	0.26	...	0.20	T.	3	12[a]	13[a]	4[a]	...	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	7	...	...	...	...	...	...	...	2.23	...	0.67	T.	11	10	10	10	w.	L. Else Bond
Alma (near)	Tyler	800	4	...	...	...	...	...	...	...	2.72	...	0.96	T.	14	12	4	14	...	D. N. Furbee
Alpena	Randolph	2,571	1	47.0	...	70	19	15	7	37	1.93	...	0.49	1.0	8	12	11	7	w.	Christian Hertig
Benson	Harrison	1,080	7	50.2	...	76	17	17	26	39	1.95	...	0.55	0	9	10	12	8	...	John A. Clark
Bens Run	Pleasants	652	29	52.6	+ 8.8	77	12†	24	26	33	2.64	−0.26	1.16	1.0	9	8	12	10	...	J. D. Riggs
Brownsville	Lewis	1,032	8	50.3	...	78	9	17	26	47	1.84	...	0.55	T.	11	15	4	11	...	George M. Meyers
Bruceton Mills	Preston	1,549	14	...	...	...	...	...	...	...	2.60	−0.58	1.43	T.	6	12	0	18	...	Mrs. H. R. Muldoon
Buckhannon	Upshur	1,411	34	51.8	+ 9.9	74	18†	23	27	36	2.33	−1.16	0.70	T.	7	18	3	9	...	H. A. Darnall
Cairo	Ritchie	680	30	52.6	+ 7.2	79	17	17	6	49	2.76	−0.08	1.20	T.	7	11	7	12	...	Eureka Pipe Line Co.
Cheat Bridge	Randolph	3,558	5	...	...	...	...	...	...	...	1.67	...	0.33	T.	11	...	...	...	...	Miss Blanche Cromer
Clarksburg	Harrison	1,015	9	50.2	...	79	17†	18	7†	42	1.90	...	0.52	0	14	8	8	14	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	8	...	...	...	...	...	...	...	1.76	...	0.53	T.	11	17	6	7	sw.	George W. Blair
Creston	Wirt	640	29	52.0	+ 8.0	79	22	19	7	43	1.41	−1.38	0.46	0	7	9	0	21	...	J. M. Reed
Dam 10 Mon. R.	Marion	826	10	...	...	...	...	...	...	...	2.29	...	0.83	0	11	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	15	...	...	...	...	...	...	...	1.96	−0.98	0.55	0	11	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	15	...	...	...	...	...	...	...	2.61	−0.20	0.41	0	15	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	10	...	...	...	...	...	...	...	2.18	...	0.70	T.	15	...	...	...	...	Lockmaster
Davis	Tucker	3,093	22	...	...	...	...	...	...	...	2.60	−0.72	0.64	0.5	15	...	...	...	...	Albert B. Williams
Elizabeth (Dam 3 L. K.)	Wirt	615	19	...	...	...	...	...	...	...	1.58	−1.29	0.78	0	12	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	30	49.8	+ 9.5	73	19	19	7	38	1.87	−0.91	0.48	T.	11	6	10	14	w.	U. S. Weather Bureau
Fairmont[b]	Marion	883	25	53.0	+10.4	81	19	23	26	43[c]	2.01	−0.87	0.76	0.8	11	8	6	14	w.	J. C. Robinson
Glenville	Gilmer	738	37	57.0	+13.0	86	23	20	7†	52	1.45	−1.76	0.45	0	10	11	9	10	w.	Howard R. Brannon
Grafton	Taylor	1,000	38	53.0	+10.2	80	17†	21	7	39	2.43	−0.56	0.75	0	9	17	1	12	...	W. E. Clayton
Hornert††	Lewis	1,044	8	...	...	...	...	...	...	...	2.31	...	0.95	0	7	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	6	...	...	...	...	...	...	...	1.51	...	0.43	T.	9	11	2	17	w.	J. W. White
Janelew (near)	Lewis	1,020	8	52.4	...	78	17	18	26	39	2.65	...	0.75	T.	7	13	8	9	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	33	51.9	+ 9.5	80	19†	16	26	42	2.09	−0.73	0.68	T.	7	9	7	14	w.	Allen Smith
Mannington	Marion	985	28	50.4	+ 9.7	75	20	20	7†	38	2.29	−0.65	0.98	1.5	12	12	6	12	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	38	51.4	+ 7.8	75	18†	24	7†	39	2.48	−0.43	0.96	T.	7	12	8	10	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	33	[a]49.4	+ 8.0	76[a]	20	26	7†	37[a]	2.11	−0.17	0.55	1.0	17	8	4	18	s.	C. H. Hesse
New Martinsville	Wetzel	634	37	52.4	+ 7.8	79	20	20	26	39	2.96	+0.08	1.06	1.0	9	7	11	12	s.	Wm. Ankrom
Parkersburg	Wood	638	44	53.2	+ 9.4	78	20	24	26	29	1.97	−0.60	0.86	T.	15	7	7	16	se.	U. S. Weather Bureau
Parsons No. 2	Tucker	1,649	5	...	...	...	...	...	...	...	2.52	−0.44	0.67	T.	12	9	9	12	...	Robert T. Deem
Philippi	Barbour	1,550	34	...	...	...	...	...	...	...	2.73	−0.32	0.55	0	11	...	...	...	...	Prof. W. W. Thomson
Pickens	Randolph	2,697	28	49.5	+ 9.3	73	23	18	7	37	2.33	−1.92	0.86	T.	7	17	5	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	8	...	...	...	...	...	...	...	1.36	...	0.51	0	8	15	3	12	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	41	...	...	...	...	...	...	...	2.51	−0.73	0.70	T.	16	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	22	...	...	...	...	...	...	...	2.38	−0.63	1.00	0	16	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	30	46.4	+ 5.8	71	22	16	6	35	2.49	−0.74	0.47	1.6	14	5	12	13	w.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	2	...	...	...	...	...	...	...	2.49	...	0.52	T.	14	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	8	52.4	...	76	17†	21	26	36	2.31	...	0.81	0	8	10	9	11	w.	J. C. Campbell
Vandalia	Lewis	1,120	8	...	...	...	...	...	...	...	1.86	...	0.54	0	7	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	24	49.3	+ 7.7	77	20	19	7	39	1.79	−0.73	0.43	4.0	7	11	7	12	w.	George P. Pfister
West Milford	Harrison	979	6	...	...	...	...	...	...	...	1.39	...	0.43	0	7	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	36	52.6	+ 8.8	78	17†	21	26	36	1.67	−1.64	0.75	0	14	8	18	4	...	Weston State Hospital
Wheeling	Ohio	645	44	[a]49.6	+ 7.6	81[a]	20	19	7	45[a]	2.74	+0.15	0.65	2.0	13	14	6	10	w.	Miss M. B. Forsyth
Woodlands	Marshall	637	4	...	...	...	...	...	...	...	2.69	...	0.53	1.5	16	10	11	9	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	5	...	...	...	...	...	...	...	1.39	...	0.75	T.	8	13	9	8	sw.	H. S. Sutton
Bancroft	Putnam	574	27	[a]51.2	+ 6.7	81[a]	17	26	26	42[a]	2.01	−0.67	0.75	0	8	14	0	16	ne.	R. E. Dent
Beckley	Raleigh	2,440	28	54.4	+11.5	77	3	17	7†	54	1.39	−1.00	0.51	T.	6	14	8	8	...	L. A. Mauck
Bluefield[g]	Mercer	2,558	36	53.1	+ 8.4	76	16	23	7	31	1.64	−0.67	0.80	0	4	14	1	8	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	16	...	...	...	...	...	...	...	1.01	−2.81	0.55	0	3	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	28	57.4	+ 9.7	87	17†	28	7	54	1.71	−1.42	0.72	0	8	15	0	15	...	R. O. Fields
Clay	Clay	706	15	...	...	...	...	...	...	...	1.68	−1.49	0.53	T.	12	...	...	...	...	Chilton Wilson
Dam 19 O. R.	Wood	600	15	...	...	...	...	...	...	...	2.47	−0.97	0.98	0	15	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	15	...	...	...	...	...	...	...	1.77	−1.49	0.67	0	13	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	4	...	...	...	...	...	...	...	2.04	...	0.83	0	11	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	15	...	...	...	...	...	...	...	2.09	−0.67	0.87	0	10	...	...	...	...	U. S. Engineers Office
Gary	McDowell	1,426	15	51.6	+ 7.0	80	16	21	7	48	1.15	−1.87	0.55	0	8	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	34	52.5	+ 8.7	81	16	23	7	49	0.69	−1.65	0.31	0	5	19	4	7	...	Mrs. M. L. McClung
Huntington	Cabell	538	34	56.2	+12.5	81	16†	26	7†	37	2.09	−0.72	0.63	0	9	9	7	14	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	12	...	...	...	...	...	...	...	1.58	−1.73	0.73	0	5	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	15	...	...	...	...	...	...	...	1.47	−2.12	0.54	0	10	...	...	...	...	Cabin Creek. Con Coal Co
Kermit	Mingo	579	5	...	...	...	...	...	...	...	2.21	...	0.90	0	7	...	...	...	...	E. B. Kirk
Kingston	Fayette	1,481	1	...	...	...	...	...	...	...	2.17	...	0.89	0	4	23	0	7	...	Claud J Wriston
Lewisburg	Greenbrier	2,250	31	50.8	+ 9.1	73	15†	16	7	45	0.97	−1.49	0.97	0	1	...	...	...	...	Geo. T. Argabrite
Logan	Logan	700	28	...	...	...	...	...	...	...	1.71	−1.39	0.77	0	9	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	32	44.8	+ 7.3	68	12†	12	7	42	1.24	−1.81	0.71	0	5	7	19	4	sw.	S. L. Brown
Point Pleasant	Mason	595	38	53.8	+ 8.5	82	20	20	26	40	1.74	−1.20	0.60	0	12	9	7	14	sw.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	1	48.2	...	73	16	16	7	40	1.25	...	0.47	0	10	21	1	8	...	H M. Word, Jr.
Ravenswood (Dam 22)	Jackson	584	8	53.2	+ 8.0	79	20†	21	26	35	1.50	−1.44	0.68	0	11	11	0	19	ne.	Lockmaster
Richwood	Nicholas	2,193	1	50.2	...	72	16	21	7	34	2.25	...	0.67	T.	7	15	5	10	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	31	53.3	+ 9.9	88	24	20	26	49	1.69	−0.92	0.58	0	10	14	0	16	...	M. Frazier
Ryan	Roane	700	28	...	...	..	..	..	..	..	...	...	...	.	..	..	.	.	...	Wm E. Ryan
Sharples	Logan	889	11	...	...	...	...	...	...	...	2.52	−0.95	0.82	0	7	...	...	...	...	R. W. Howard
Spencer	Roane	789	27	52.9	+ 9.1	80	22	21	26	37	1.60	−1.08	0.53	0	10	7	9	14	...	A. M. McKown
Sutton	Braxton	850	25	52.7	+ 8.9	77	16†	20	7	41	2.15	−1.36	0.60	0	9	21	0	9	...	C. B. Eakle
Union[e]††	Monroe	2,250	27	49.8	+ 7.6	73	16†	15	7	41	0.78	−1.58	0.54	0	3	16	2	7	...	W. M. H. Young
Wayne	Wayne	598	4	...	...	...	...	...	...	...	1.79	...	0.87	0	10	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	21	[a]47.4	+ 5.4	72[a]	15	15	6	41[a]	1.25	−1.09	0.35	0	5	25	0	5	...	A. P. Spence
Williamson	Mingo	673	31	53.4	+ 7.9	80	14	26	7	41	1.57	−1.36	0.70	0	7	16	5	9	sw.	J. E. Dotson
State averages and	extremes	...	...	51.3	+ 8.6	88	24	11	7	54	1.81	−1.09	1.20	0.2	9	13	6	11	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for November, 1931

Stations	Drainage-basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖‖	Potomac	.22												.79	.08				.10							.03		.18			.87		2.27
Brandywine	do													T					.10		.05							.15			.25		0.55
Circleville	do								.02					.06	.01				.02		.03	.01				.01		.03	.20		.12		0.69
Harpers Ferry‖‖	do		.03										T	.02						T.	T								.22	.02	.11		0.40
Kearneysville	do												.07						.01									.25			.20		0.56
Martinsburg‖	do	T.						T.					.10	.01			T			.01								.16	.15		.25		0.62
Moorefield	do																											.25					0.25
Piedmont	do	.09					.04	.13				T.			T							.10				T		.28	T	.01	.11		0.76
Romney‖	do								.12																				.20				0.32
Stony River Dam	do	.04	.15						.04				.11	.35	.10						.02							.02			.15		0.98
Upper Tract	do																																
Wardensville‖‖	do	T.						T.					.04	T.							T							.20			.02		0.26
Northern Division																																	
Aberdeen	Monongahela	.28	.02						.11			.02		.67	.02		T		.06							.10		.32	.02	T	.61		2.23
Alma (near)	Ohio	.06							.20			.01	.05	.49	.04	.03			.08		.02	.20	.29			.06		.23			.96		2.72
Alpena	Monongahela	.34							.08					.43		.02			.06							T		.45		.06	.49		1.93
Benson	do	.15							.16			.02		.55			.02		.10							.16		.30			.09		1.55
Bens Run	do	.06							.20				.10	.35					.18		.07	.06						.46			1.16		2.64
Brownsville	do	.14	.07						.15			.03		.40	.02				.05							.02		.38		.02	.55		1.84
Bruceton Mills	do							T.				.31	.30		.40		.04		.12									T.	T	T	1.43		2.60
Buckhannon	do	.30	T.										.70		.45	T.		T.		.06							.15			.05	.62		2.33
Cairo	Little Kanawha											.23		.40			.04		.07				.40					.42			1.20		2.76
Cheat Bridge‖‖	Monongahela	.10	.21						.20					.10	.17		T		.05	.02						.05	T		.12	.32	.33		1.67
Clarksburg‖	Little Kanawha	.14	.02						.22			.03	.02	.42	.04	.01		.01	.11							.03		.22	.11		.52		1.90
Crawford‖	do	.05	.02						.12				.02	.43					.07							.08		.33	.01	.10	.53		1.76
Creston‖	Monongahela													.25					.18				.05			.12		.23	.09		.46		1.41
Dam 10, Mon. R.‖‖	Ohio	.18							.20					.25	.20		.03		.16	.02				.08		.13	.09	T	.12		.83		2.29
Dam 12, O. R.‖‖	do	.06	T.									.20	.10	.55			.11		.11				.11			.04		.03	.25		.46		1.96
Dam 13, O. R.‖	Monongahela	.07							.33			.11	.06	.37	.20	.10	.06		.15	.05			.35			.07		.14	.14		.41		2.61
Dam 15, Mon. R.‖‖	do	.28	.06						.12			T.	.03	.30	.12	.06	.03		.12	T.			.06		.05		.03	.22			.70		2.18
Davis‖	do	.23	.20				.03		.15				.03	.64	.23	.03		.01	.07	.01	T.				.06			.13	.33		.42		2.60
Elizabeth (D'm 3 LK)	Little Kanawha								.04				.02	.16	.02	.05	.06				.02		.19			.09		.13	.02		.75		1.58
Elkins***	Monongahela	.29				T.		.15	T.			.02		.33	.01		T		.05							.06	.01	.47		.04	.14		1.87
Fairmont‖‖	do	.17							.10			T.		.37	.12	.04	.07		.15				.04			T.		*	.19		.76		2.01
Glenville‖‖	Little Kanawha	.06	.04						.07				T.	.26	.05	T.			.10			T				.07		.19	.16		.45		1.45
Grafton‖‖	Monongahela	.14					T.		.20			.08		.75	.03				.10							.08		.35			.70		2.43
Horner	do	.23							.25					.07			.13								.35			.95		.33			2.31
Horton	do	.35	.05										.05	.16	.04				.04							T.		.35		.04	.43		1.51
Janelew (near)	do	.20							.20					.75					.05									.70		.10	.65		2.65
Lost Creek	do	.09					T.		.22			.04	T	.68	T.	T.	T.		.11							T		.40	T.	T.	.55		2.09
Mannington	do	.03					T		.13				.03	.54	.02	.01	T.		.12				.03	.10		.07		.23			.98		2.29
Morgantown	do	T.					T.		.38			T	T.	.51	.10		.10						.33			.10	T.			T.	.96		2.48
New Cumberland‖‖	Ohio		.02				T.	T.				.08	.02	.55		.05	.03	.02	.26	.02	.09		.08	.02		.18		.10	.15	.01	.43		2.11
New Martinsville	do								.35					.50	.10				.19		.21	.08	.18					.29			1.06		2.96
Parkersburg***	do	T.				T.		.04				.08	.06	.31	.05	.01	.03	T.	.13	T.		.16	.02		.01	.02	T	.19		.06	.80		1.97
Parsons	Monongahela																																
Parsons No. 2	do	.30					.03		.23			.02		.60	.02	T.	T		.05							.07		.47	.02	.04	.67		2.52
Philippi	do	.25	.45						.28			.04	T	.55	.18				.04									.32	.20	.02	.40		2.73
Pickens	do	.32							.07					*											.10			.72		.26	.86		2.33
Roanoke	do	.07							.10		T.	T.		.25	.01											.09		.29		.04	.51		1.36
Rowlesburg‖‖	do	.28	.10				.02		.03				.03	.70	.43	.04			.02	.04						.21	.02	.04	.32	.01	.22		2.51
Saint Marys‖‖	Ohio	.07	.03						.11				.02	.25	.08	.07	.01	.02	.15		.05			.16		.08		.23	.05		1.00		2.38
Terra Alta	Monongahela	.11	T.			.06		.16			T.	*	.47	.37	.08	.01		.04	.05						.14	T.	.10	.25		.30	.35		2.49
Thomas‖	do	.52	.18						.04				.04	.52	.19	.04			.03	.02						.06	.02	.20	.32		.31		2.49
Valley Chapel	do	.26	.06				T.		.20			.02		.84	T.	T.			.10									.29		T	.54		2.31
Vandalia	do		.15						.13				.38						.10									.46		.10	.54		1.86
Wellsburg	Ohio	.11										.23	.21		T.	T.			.30			T.	T.			.14		.37	T.		.43		1.79
West Milford	Monongahela	.13						.13				.05		.43					.20						.10		.35						1.39
Weston	do	.12	.04						.17			.02	.03	.24	.12		.06		.11	.10						.06		.14	.21		.25		1.67
Wheeling‖‖	Ohio	.06							.30			.30	.05	.65	T	.10	.04	T.	.17				.20			.06		.15	.20		.46		2.74
Woodlands‖‖	do	.06							.28			.05		.52	.16	.30	.03	.02	.16	.04	.04		.30	.02				.14	.04		.53		2.69
Southern Division																																	
Arbovale	Great Kanawha	.06							.14					.12	.01		T.		.04				.01			T.		.26			.75		1.39
Bancroft‖‖	do													.31	.05				.10		.09					.20		.37	.14		.75		2.01
Beckley	do	.15						T						T					T.							.04		.51	.06	.12	.51		1.39
Bluefield	do		.29																									.35	.20		.80		1.64
Camden-on-Gauley‖‖	do		.55											.23															.23				1.01
Charleston‖‖	do		.16										.10						.01		.14					.10		.28	.20		.72		1.71
Clay‖‖	do	.15	.10						.02			T.		.17	.05				.02	T.						.07		.18	.31	.08	.53		1.68
Dam 6 G. K.‖‖	do																																
Dam 19 O. R.‖‖	Ohio	.11							.07			.03	.04	.30	.12	.02		.02	.14	T	.04	T.	.23			.06		.25	.06	T.	.98		2.47
Dam 20 O. R.‖‖	do								.04			.03	.03	.14	.06		.02		.16		.04		.22			.04		.24	.08	T	.67		1.77
Dam 25 O. R.‖‖	do	.04							.02			.01	.01	.16					.14				.53			.05		.16	.09		.83		2.04
Dam 26 O. R.‖‖	do	.08													.05				.08			.01	.38			.11		.37	.12	.02	.87		2.09
Gary‖‖	Big Sandy	.06	.05						.01										T.							.01		.02	.55	.01	.44		1.15
Hinton‖‖	do	.03	.03						T										T.									.02	.31		.30		0.69
Huntington	Ohio											.04		.24					.08			.13	.05			.10	T	.63		.30	.52		2.09
Kanawha Falls‖‖	Great Kanawha	.10																								.10		.30	.35		.73		1.58
Kayford‖‖	do	.22												.08	.05				.01							.06	.02	.10	.54	.05	.34		1.47
Kermit‖‖	Big Sandy	.28												.01												.02		.56	.32	.90	.12		2.21
Kingston	Great Kanawha													.28											.25		.75				.89		2.17
Lewisburg	do							T.	T.					T.															T.	T.	.97		0.97
Logan‖‖	Guyandotte	.11	.02											.02					.01							.07		.34	.35	.02	.77		1.71
Marlinton	Great Kanawha	T.	T.						.22					.03	T.				.04									T	T	.24	.71		1.24
Point Pleasant‖‖	Ohio	.04	.02						T.			T.	.06	.20	.02	T.			.14		.02	T.	.24			.04		.26	.10	T	.60		1.74
Rainelle	Meadow Creek	.38	.05	.03					.04					.12					.02							.03		.47	.02	.09	T.		1.25
Ravenswood (Dam 22	Ohio‖‖	.02							.03			.02		.13					.05		.03		.21			.05		.21	.07		.68		1.50
Richwood	Great Kanawha	.29	T.			T.							.15	T			T.									.04		.62	.03	.45	.67		2.25
Robertsburg‖‖	do											T.		.44	.03				.05		.02		.05			.06		.34	.10	.02	.58		1.69
Ryan	do																																
Sharples‖‖	Coal River								T					.05						.68						.05		.52	.20	.20	.82		2.52
Spencer‖‖	Great Kanawha	.02							.12			T.		.25	.05				.10	.02			T			.13		.27	.11		.53		1.60
Sutton	Gauley	.15							.10					.25	.10				.15							.10		.40		.30	.60		2.15
Union	do		T.																			T.						.12	.12		.54		0.78
Wayne‖‖	Big Sandy	.05											.02	.05					.05				.03			.10		.51	.10	.01	.87		1.79
White Sulpr. Spgs.‖‖	Great Kanawha	.15																	T.		T.							.35	.10	.30	.35		1.25
Williamson‖‖	Big Sandy	.21	.07																							.07		.17	.33	.02	.70		1.57

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for November, 1931

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	43	47	56	54	51	45	47	63	68	67	60	70	63	53	69	69	73	67	70	73	69	72	70	67	61	34	40	42	50	58	....	59.0
	Minimum	35	35	34	38	31	30	15	30	29	30	40	48	48	30	34	48	35	55	45	40	57	40	30	30	32	20	26	31	38	43	....	35.8
Brandywine	Maximum	48	50	51	55	52	50	49	60	62	64	62	67	65	64	70	75	70	66	68	64	76	68	65	64	61	44	45	47	57	60	....	59.8
	Minimum	32	38	35	41	24	27	14	27	27	29	30	34	36	40	41	42	32	40	41	50	51	40	32	33	34	14	30	32	39	40	....	34.2
Kearneysville	Maximum	54	52	61	63	60	55	49	56	68	75	71	79	69	61	66	77	69	74	66	75	73	77	73	74	64	44	38	40	49	65	....	63.2
	Minimum	36	37	39	46	34	38	24	34	30	34	42	44	59	35	39	44	44	51	48	53	60	49	41	45	43	31	31	34	38	45	....	40.9
Martinsburg‖	Maximum	57	45	65	67	64	48	60	62	68	78	62	80	75	65	65	75	65	73	62	76	65	80	75	65	57	46	36	40	50	..	....	63.0
	Minimum	45	36	38	40	32	37	28	30	30	33	35	50	50	35	38	40	45	48	50	52	56	48	41	41	40	32	31	32	32	38	....	39.4
Moorfield	Maximum	56	54	67	56	64	57	53	64	74	76	69	87	77	65	79	80	77	77	75	79	80	80	76	78	73	51	52	50	56	66	....	68.3
	Minimum	38	35	35	38	25	37	11	43	29	31	34	42	55	35	34	36	36	65	41	40	63	46	36	36	48	25	32	34	38	36	....	37.9
Piedmont	Maximum	48	49	61	59	55	43	46	57	72	69	64	75	66	55	71	72	67	69	64	73	75	74	73	71	54	37	33	34	52	58	....	60.0
	Minimum	42	40	34	38	30	36	20	35	33	37	45	49	50	39	42	39	45	54	48	54	57	48	45	38	36	26	30	32	34	48	....	40.2
Romney‖	Maximum	57	50	66	64	60	50	50	62	76	77	62	81	69	58	77	78	71	75	71	75	77	79	75	76	54	41	35	39	57	..	....	64.2
	Minimum	..	37	34	42	29	38	19	19	29	34	35	45	52	35	34	35	41	42	45	48	58	48	36	36	36	27	25	31	34	37	....	36.6
Upper Tract	Maximum	.	48	64	60	58	46	48	..	70	71	67	63	62	59	75	70	70	69	70	70	70	70	69	66	62	46	67	68	61	60	....	63.5
	Minimum	..	30	32	47	40	27	15	..	30	35	36	46	45	45	40	54	51	37	40	41	42	45	37	36	43	19	20	21	25	30	....	36.0
Wardensville	Maximum	51	51	64	64	61	48	66	49	78	75	64	80	..	..	78	78	71	73	71	76	76	72	75	71	57	41	39	46	58	..	....	64.2
	Minimum	33	31	33	38	27	39	16	20	29	32	33	41	51	..	..	32	38	41	41	50	63	44	33	35	45	26	29	32	35	39	....	35.9
Northern Division																																	
Alpena	Maximum	39	40	56	53	48	44	50	61	65	64	59	68	63	61	67	67	68	63	70	68	65	68	68	66	59	35	49	44	49	56	....	57.5
	Minimum	33	35	31	39	23	28	15	30	29	31	32	45	47	45	42	56	33	53	37	56	52	42	31	55	32	20	28	36	36	44	....	36.6
Bens Run	Maximum	50	52	63	61	59	54	51	67	71	71	66	77	68	61	70	75	77	70	70	77	71	71	71	70	68	37	37	43	59	58	....	62.9
	Minimum	41	36	35	37	29	32	25	34	39	47	47	48	56	45	44	51	45	60	45	56	62	55	46	44	36	24	32	36	42	36	....	42.2
Buckhannon	Maximum	48	44	38	57	54	51	60	50	62	66	66	66	71	65	71	70	72	74	68	74	74	73	72	65	69	64	55	44	50	60	....	61.9
	Minimum	41	38	34	36	38	34	24	24	38	36	38	42	46	53	50	45	52	42	60	45	54	60	45	41	43	41	23	33	44	50	....	41.8
Cairo	Maximum	58	56	58	72	63	64	66	69	74	74	69	75	74	74	74	76	79	78	72	72	75	78	75	73	70	42	38	44	50	59	....	66.8
	Minimum	33	31	33	34	23	17	18	26	31	31	40	43	50	41	41	50	52	55	51	54	45	57	41	46	38	16	32	38	42	47	....	38.3
Clarksburg	Maximum	51	49	61	59	55	47	51	68	73	71	57	74	63	63	75	75	79	65	78	77	75	79	76	73	41	38	38	46	59	59	....	62.6
	Minimum	40	35	32	31	24	26	18	26	32	33	35	45	53	44	42	41	40	42	47	49	61	52	40	41	42	18	20	33	37	46	....	37.7
Creston	Maximum	54	50	62	60	58	55	54	69	70	73	64	75	70	74	73	76	78	73	73	76	73	79	72	75	69	49	40	46	50	55	....	64.8
	Minimum	42	32	29	30	23	24	19	31	31	30	39	41	52	51	40	49	59	60	46	59	65	50	40	39	37	20	32	37	42	46	....	39.2
Elkins	Maximum	46	44	58	55	52	44	51	64	69	68	63	72	66	66	72	71	73	67	73	70	70	73	72	69	64	35	43	45	52	60	....	60.9
	Minimum	37	38	34	34	27	27	19	36	31	34	39	47	51	51	48	47	40	44	42	62	56	45	38	37	29	24	30	37	40	41	....	38.8
Fairmont‖	Maximum	51	53	67	..	..	64	57	71	75	77	57	77	60	60	72	71	76	68	81	79	77	77	77	71	44	41	37	45	58	58	....	64.4
	Minimum	40	38	36	36	..	..	24	28	37	41	44	52	57	42	42	51	43	45	46	47	64	56	47	46	44	23	25	34	37	37	....	41.5
Glenville	Maximum	53	58	73	82	75	72	64	84	83	83	72	84	84	83	83	81	82	84	77	81	85	82	86	78	75	42	43	48	60	62		73.3
	Minimum	43	33	30	34	25	28	20	32	38	32	39	43	54	53	43	50	43	60	48	56	64	49	40	41	40	20	34	38	43	48	....	40.7
Grafton	Maximum	51	54	61	63	59	53	55	68	73	73	63	75	70	67	74	75	80	69	80	79	80	79	77	74	61	45	38	45	50	61	....	65.1
	Minimum	41	39	32	34	24	43	21	35	34	35	44	47	55	41	44	52	44	59	47	51	50	49	42	40	40	23	33	35	43	47		40.8
Lost Creek	Maximum	45	47	57	56	55	52	46	68	73	72	72	74	70	71	74	75	79	74	80	79	75	80	78	73	68	38	40	44	50	60	....	64.2
	Minimum	39	33	32	30	22	30	18	36	31	32	42	47	56	45	48	50	39	59	45	49	60	61	38	41	38	16	30	34	41	45	....	39.6
Mannington	Maximum	50	52	60	60	55	52	50	64	69	70	59	73	66	61	71	70	74	71	73	75	73	73	70	70	67	38	36	43	49	58	....	61.7
	Minimum	42	35	31	30	23	34	20	31	31	32	41	45	52	44	41	47	39	58	45	50	60	54	41	38	35	20	30	35	42	46	....	39.2
Morgantown	Maximum	50	48	58	56	57	51	51	63	69	69	69	72	66	65	65	71	74	75	75	75	75	75	72	71	69	40	36	59	57	57	....	63.0
	Minimum	39	39	39	38	33	32	24	24	40	43	43	43	51	41	41	43	52	53	46	46	47	40	62	55	39	29	29	29	29	29	....	39.9
New Cumberland‖	Maximum	49	51	61	57	56	45	49	65	71	71	62	72	58	53	69	68	74	63	69	76	70	69	71	70	38	37	38	41	43	..	....	59.3
	Minimum	41	39	32	34	29	33	26	30	34	40	45	51	52	34	36	48	49	46	42	42	60	55	49	44	57	26	28	30	34	39	....	39.4
New Martinsville	Maximum	52	52	65	63	62	55	54	69	74	75	68	73	70	62	74	74	77	73	76	79	74	76	75	73	69	49	39	44	49	55	....	65.0
	Minimum	42	35	32	32	24	25	21	31	35	36	48	48	53	44	43	49	43	55	44	52	60	53	44	42	36	20	29	33	39	44	....	39.7
Parkersburg	Maximum	50	50	62	59	57	46	52	67	72	72	58	73	68	71	73	75	77	69	69	78	70	75	72	72	52	36	37	44	49	57	....	62.1
	Minimum	43	39	38	36	29	29	26	35	44	45	51	53	53	51	55	55	50	53	56	65	61	56	51	52	32	24	31	36	43	42	....	44.4
Parsons	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Pickens	Maximum	41	43	55	58	53	41	54	63	67	66	63	70	50	65	68	70	72	70	72	72	71	72	[illegible]	68	67	61	44	46	50	56	....	61.0
	Minimum	34	33	28	29	26	22	18	37	37	29	38	48	50	50	49	50	43	46	44	50	42	47	33	42	35	24	24	37	40	42	....	38.0
Terra Alta	Maximum	43	42	53	51	49	39	41	61	67	66	58	69	55	58	68	66	70	61	67	69	68	71	70	67	41	35	36	46	57	57	....	56.7
	Minimum	35	34	36	31	29	16	24	31	34	47	49	50	35	41	55	35	37	45	43	55	41	34	35	35	19	20	27	32	42	32	....	36.2
Wellsburg	Maximum	49	51	63	58	56	58	46	67	70	71	60	72	65	56	69	69	75	69	72	77	71	73	70	73	66	37	40	37	45	48	....	61.0
	Minimum	43	33	30	28	22	28	19	27	31	33	49	48	53	30	40	42	41	54	41	56	55	53	42	41	34	22	29	32	35	35	....	37.6
Weston	Maximum	50	49	60	59	57	55	48	65	70	68	62	71	70	70	72	73	78	75	76	78	75	77	75	74	71	42	41	46	52	56	....	63.8
	Minimum	41	35	34	36	24	35	22	36	35	36	41	45	56	50	48	50	42	60	49	50	64	50	42	45	41	21	31	35	40	45	....	41.4
Wheeling‖	Maximum	51	55	64	64	63	50	50	60	72	77	62	75	61	60	70	74	74	65	75	81	71	70	73	73	43	45	40	45	52	..	....	62.6
	Minimum	34	32	37	29	22	35	19	29	3	32	36	50	56	55	41	42	43	42	42	50	57	50	44	43	52	20	25	25	30	38	....	35.5
Southern Division																																	
Beckley	Maximum	68	68	77	76	74	62	61	64	68	68	68	71	70	70	71	75	78	72	71	70	68	72	72	71	69	66	65	64	63	60	....	68.9
	Minimum	34	33	23	46	23	27	17	39	37	36	34	42	51	47	42	52	42	58	46	57	58	51	43	43	36	17	32	38	43	49	....	39.9
Bluefield	Maximum	..	45	58	62	59	53	51	..	68	70	..	70	67	72	..	76	70	67	67	66	71	..	72	71	65	.	48	49	..	60	....	63.3
	Minimum	..	33	29	46	28	29	23	..	41	39	..	45	54	47	..	45	48	61	51	52	59	..	52	51	40	..	26	41	..	47	....	42.7
Charleston ‖	Maximum	64	56	76	72	70	65	70	84	79	81	70	86	63	81	86	86	87	80	72	83	78	86	87	83	55	54	45	52	60	60	....	72.6
	Minimum	42	42	36	36	33	32	28	30	42	41	42	46	49	55	49	55	48	48	48	46	48	44	44	48	45	29	34	37	42	49	....	42.3
Gary‖	Maximum	48	49	63	63	59	48	63	70	71	71	71	75	70	78	77	80	78	75	79	73	74	77	77	75	54	51	56	54	57	60	....	66.5
	Minimum	38	35	26	27	25	26	21	22	35	32	31	33	38	46	42	41	38	39	46	46	58	47	39	40	40	23	27	41	47	50	....	35.6
Hinton‖	Maximum	53	49	68	68	64	51	63	73	75	74	70	77	68	75	79	81	75	74	76	75	72	76	75	76	57	55	43	49	53	59	....	66.8
	Minimum	38	37	30	31	29	30	23	24	35	35	33	34	40	50	44	41	39	40	48	50	63	48	42	42	43	24	25	36	42	47	....	38.2
Huntington	Maximum	56	55	65	67	62	56	62	72	74	74	68	77	72	77	77	81	81	73	73	80	74	79	75	76	72	72	42	48	50	61	....	68.5
	Minimum	45	37	30	41	30	32	26	40	39	37	45	48	57	56	48	58	47	61	49	56	63	53	47	47	41	26	34	38	41	47	....	44.0
Lewisburg	Maximum	52	59	56	61	64	62	52	64	62	69	68	70	72	71	73	68	72	72	73	69	67	70	69	69	70	69	64	66	65	60	....	65.9
	Minimum	36	34	33	34	29	25	16	35	30	31	29	31	43	49	37	39	34	32	46	43	41	53	58	42	34	37	31	25	20	48	....	35.8
Marlinton	Maximum	44	42	54	56	50	44	48	60	64	64	60	68	58	66	64	65	66	66	64	66	64	64	62	60	52	42	40	44	50	50	....	56.6
	Minimum	32	34	22	32	18	26	12	28	22	30	22	30	40	50	38	36	34	46	40	54	48	40	31	32	30	14	28	32	38	48	....	33.2
Point Pleasant	Maximum	55	54	66	65	63	60	59	69	75	75	70	76	73	77	77	80	80	77	66	82	77	80	78	76	70	44	43	45	49	57	....	67.3
	Minimum	41	35	28	34	26	26	23	34	36	35	44	45	57	51	43	49	45	57	44	51	58	51	45	45	35	20	30	35	35	45	....	40.2
Rainelle	Maximum	46	43	57	59	54	45	51	64	68	67	65	70	58	70	72	73	68	65	67	66	67	69	68	68	68	45	40	48	51	56	....	60.4
	Minimum	33	37	24	34	20	30	16	36	28	29	26	33	40	50	38	46	31	54	41	57	59	41	34	35	37	18	31	34	39	48	....	36.0
Ravenswood	Maximum	52	59	63	63	59	58	54	67	67	69	69	76	76	75	75	75	78	74	70	79	75	79	77	74	73	44	33	45	54	48	....	65.5
	Minimum	44	34	31	34	26	25	22	33	37	37	45	46	50	52	46	53	44	57	46	60	62	52	46	51	38	21	33	25	43	45	....	40.9
Richwood	Maximum	45	44	57	58	54	51	52	64	66	68	71	68	67	67	70	72	70	68	70	70	68	70	69	69	64	43	42	45	60	60	....	61.4
	Minimum	35	36	29	38	26	31	21	31	32	40	44	42	41	40	42	47	39	58	43	60	52	41	42	40	38	23	34	40	43	45	....	39.1
Robertsburg‖	Maximum	57	56	67	67	58	50	63	75	75	76	75	78	67	80	80	84	85	73	70	81	76	74	80	88	50	40	40	45	61	57	....	67.6
	Minimum	43	32	30	35	27	25	21	26	37	36	36	46	46	52	44	49	44	46	47	53	61	50	43	43	38	20	23	34	37	45	....	39.0
Ryan	Maximum	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	.	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	....	....
Spencer ‖	Maximum	50	51	55	64	62	51	54	70	73	73	66	78	63	74	75	78	79	68	74	79	73	80	76	75	45	40	41	48	60	56	....	64.4
	Minimum	43	35	32	31	26	28	23	40	36	36	40	50	55	52	49	51	45	46	48	52	65	54	46	42	44	21	33	34	38	48	....	41.4
Sutton	Maximum	49	49	63	63	58	58	57	65	71	74	74	73	73	72	74	77	77	72	74	74	74	75	75	73	72	45	41	47	50	52	....	65.1
	Minimum	41	34	30	40	25	31	20	40	33	33	36	41	54	52	43	50	40	57	44	58	62	47	40	40	38	22	33	39	40	45	....	40.3
Union	Maximum	..	48	58	60	61	56	52	..	68	68	68	71	72	70	..	73	73	73	72	69	68	..	69	68	68	50	45	47	..	58	....	63.4
	Minimum	..	34	21	41	21	29	15	..	30	29	27	34	49	43	..	37	35	62	44	58	59	..	38	35	43	16	32	34	..	40	....	36.2
White Sulphur Spgs.	Maximum	44	60	60	60	45	56	66	68	70	60	58	69	70	70	72	71	70	70	69	68	67	63	61	52	52	49	46	55	56	..	....	61.3
	Minimum	37	23	28	21	29	15	25	28	29	25	31	30	40	39	36	32	38	43	53	54	45	38	38	35	16	21	33	38	40	38	....	33.4
Williamson‖	Maximum	51	53	65	67	60	52	62	70	69	72	69	76	72	80	78	77	79	75	69	78	75	77	73	76	51	50	46	51	59	58	....	66.3
	Minimum	43	39	35	35	33	29	26	29	36	37	35	37	44	52	45	47	45	45	49	49	60	49	44	42	42	28	30	40	45	49	....	40.6

‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 12-22-31—900)

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

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HENRY C. HOWE, Meteorologist

Vol. XXXIX Parkersburg, W. Va., December, 1931 No. 12

GENERAL SUMMARY

The past month, with an average temperature of 42°, was the warmest December of State record, except in 1923, when the December average temperature was 43.1°. After the 8th the temperature was continuously above the normal, except the 26-27th, and for about ten days of that period the averages were from about 15° to 20° above the normal. The precipitation was considerably above the normal and was well distributed throughout the month and fairly well distributed over the State, keeping the smaller streams well filled and the soil thoroughly soaked. The snowfall was the least of December State record, and was unimportant except at five or six stations. No snow was observed at fifty-eight stations. In the better agricultural regions stock remained in the open, making a great saving of feed.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 42.0°. The departure from the normal for 43 stations having ten or more years of record was +8.2°. The first eight days averaged below the normal and the temperature was also slightly below the normal on the 26-27th. The temperature averaged generally much above the normal for the rest of the month. The lowest temperature recorded was 8°. In all other Decembers of State record the temperature was lower. The highest temperature was 75°.

PRECIPITATION

The average precipitation for the State, determined from 90 stations, was 3.91 inches. The departure from the normal for 60 stations having ten or more years of record was +0.42 inch. The precipitation was heaviest over the mountain counties and was lightest over the extreme northeastern counties. Practically all the precipitation was measured on the 4-5th, 9-14th, 19-25th, 28-29th and the 31st, the greatest amounts being received on the 9th, 12th and 22d. There were snow flurries or light snow in the mountain counties on the 4th, 9th, 25th and the 28th. The monthly average was 0.3 inch. The greatest amount of snow, 7 inches, fell at Cheat Bridge.

MISCELLANEOUS PHENOMENA

Fogs, dense: Aberdeen, 21st; Bancroft, 6th; Charleston, 19th; Clay, 2d, 12th, and 22d; Elkins, 10th, 11th, 20th, 21st, 29th and 30th; Glenville, 30th; Hinton, 13th, 14th, 16th, 18th, 23d, 24th, 29th and 30th; Huntington, 3d, 9th, 10th, and 21st; Kearneysville, 22d; Marlinton, 4th and 31st; New Cumberland, 21st and 28th; Pickens, 19th; Pt. Pleasant, 18th; Terra Alta, 4th, 5th, 9th, 10th, 19th and 20th; Thomas, 10th, 19th and 20th; Wheeling, 3d, 8th, 17th, 18th, 21st, and 28th; Williamson, 16th and 19th.

Halos, lunar: Huntington, Pickens, and Ryan, 20th.

Halo, solar: Terra Alta, 3d.

MISCELLANEOUS PHENOMENA (Continued)

Sleet: Elkins and Terra Alta, 8th; Beckley, Brandywine, Horton, Marlinton, Moorefield, Rainelle, Richwood, Terra Alta, and Union, 9th; Elkins, 25th; Richwood, 29th; Bayard, 31st.

Thunderstorms (dates and number of stations reporting): 11th, 3; 12th, 1; 13th, 10; 14th, 1; 15th, 1; 22d, 16; 23d, 1; 24th, 8.

ERRATA

The following changes should be made in the published precipitation reports for DAVIS for 1931:

January: On the 15th .20 and total for month 2.32.
March: On the 11th and 15th both .20 and total for month 2.01.
May: On the 17th .20 and total for month 7.84.
July: On the 10th 1.03 and total for month 5.97.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio	30.16	88	69	75	76.5	26	4,803	6.5	24	w.	14
Columbus, Ohio	30.14	84	72	74	83.8	29	7,209	9.7	37	w.	14
Elkins	30.20	88	71	77	75.1	26	4,070	5.5	27	w.	14
Lexington, Ky	30.18	90	79	...	60.3	20	8,718	11.7	35	sw.	14
Parkersburg	30.18	80	70	70	76.5	26	3,767	5.1	27	nw.	14
Pittsburgh, Pa	30.15	81	70	69	107.3	37	7,386	9.9	36	w.	14
Wytheville, Va	30.18	85	67	77	150.0	35	5,216	7.0	27	e.	31

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	40.9	75	6	3.27	......	......	......	......	......	......	......
1892	34.1	72	−10	2.91	......	......		8	......	......	......
1893	37.1	76	7	2.05	3.73	0.56	......	9	10	8	13
1894	36.3	80	−29	4.04	6.56	1.71	......	9	11	7	13
1895	36.9	72	− 6	2.87	4.14	1.85	7.1	9	8	9	14
1896	35.3	67	2	1.68	2.88	0.57	......	6	12	9	10
1897	37.3	72	− 4	4.00	6.79	2.05	......	13	6	9	16
1898	33.4	69	−12	2.66	4.23	0.71	7.0	10	12	8	11
1899	33.3	77	−17	2.81	4.46	1.22	3.9	10	11	8	12
1900	34.6	66	3	2.26	3.45	1.32	1.0	7	11	7	13
1901	32.3	75	− 9	5.84	8.97	3.57	3.8	11	7	8	16
1902	33.9	70	− 2	5.33	9.95	2.01	9.4	14	5	7	19
1903	26.5	59	−11	2.00	4.43	**0.30**	7.8	8	12	8	11
1904	32.8	71	−20	3.12	5.91	1.63	9.8	10	8	7	16
1905	35.6	70	3	3.11	5.24	1.30	3.4	9	11	6	14
1906	35.9	70	− 1	4.73	**11.15**	1.83	6.2	14	5	6	20
1907	35.5	70	− 2	3.36	9.31	0.70	5.2	12	9	8	14
1908	36.4	73	5	3.03	7.36	1.06	6.0	10	9	8	14
1909	28.8	78	−10	2.55	6.00	1.16	10.9	10	9	8	14
1910	28.4	72	− 8	2.72	6.90	1.00	14.6	12	7	7	17
1911	39.3	74	4	3.27	5.58	1.25	1.6	12	9	5	17
1912	35.8	76	− 6	2.88	5.55	1.45	7.1	10	12	7	12
1913	36.4	68	3	2.82	3.81	1.10	2.9	8	9	8	14
1914	30.3	70	−20	5.46	8.04	2.58	12.5	16	7	4	20
1915	32.8	68	0	4.35	7.19	1.35	7.6	11	5	7	19
1916	32.8	77	−18	3.33	6.38	0.85	10.6	10	13	7	11
1917	**24.3**	67	**−37**	1.51	3.32	0.47	11.8	8	11	6	14
1918	41.0	74	0	4.41	8.14	2.70	3.2	12	8	6	17
1919	30.4	72	−15	4.07	7.35	1.17	7.8	9	10	6	15
1920	35.6	70	0	2.55	5.13	1.32	3.7	10	6	7	18
1921	37.0	79	0	4.25	7.51	1.11	7.5	11	7	7	17
1922	36.6	75	2	4.71	7.27	1.03	3.6	11	10	5	16
1923	**43.1**	78	0	5.82	10.96	1.00	2.4	14	11	5	15
1924	33.1	**83**	− 8	2.58	5.69	0.58	1.7	10	10	6	15
1925	32.5	75	− 8	1.20	3.42	0.38	2.7	7	10	6	15
1926	33.9	72	−14	5.10	10.57	1.65	2.5	15	6	4	21
1927	34.4	78	− 6	3.72	6.78	0.42	3.8	12	9	5	17
1928	35.4	70	1	2.08	5.50	0.50	0.9	7	13	5	13
1929	36.6	73	−13	2.51	5.59	0.59	12.2	12	9	5	17
1930	30.9	66	−14	2.81	6.59	0.76	8.6	12	7	5	19
1931	42.0	75	8	3.91	6.10	1.35	0.3	13	8	4	19
1891–1931	33.9	83	−37	3.36	11.15	0.30	6.0	10	9	7	15

Climatological Data for December, 1931

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	30	39.6	+ 9.9	63	24	8	27	43	4.46	+0.10	1.16	T.	12	4	7	20	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	15	40.2	+ 6.7	65	12†	9	27	36	1.35	−0.42	0.65	0	6	17	0	14	s.	Elmer Keister
Circleville	Pendleton		0								2.84		0.54	0	17					Moses R. Bennett
Harpers Ferry	Jefferson	244	42								1.72	−0.79	0.70	0	7					J. C. Newcomer
Kearneysville	Jefferson	548	1	41.8		62	14†	18	8	31	2.27		1.07	0	8	9	9	13	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	39	^{a}42.2	+10.6	65^{a}	13	18	3	35^{a}	2.32	−0.38	1.00	0.2	10	22	7	2	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	35	43.8	+ 9.6	71	12	10	8	44	2.06	−0.04	1.15	0	8	23	3	5		M. S. Henkel
Piedmont	Mineral	1,053	18	39.5	+ 7.0	65	12	16	8	31	3.02	+0.75	1.41	0	7	7	7	17	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	33	^{a}41.8	+ 8.8	71^{a}	10	15	3†	40^{a}	2.70	+0.40	1.20	0	6	13	2	16		George E. Bergdoll
Stony River Dam	Grant	3,300	11								3.34	0	0.58	0.5	13	3	4	24	w.	A. C. Becker
Upper Tract^{e}	Pendleton	1,230	32	42.2	+ 8.5	70	10†	10	8	37										J. M. Mallow
Wardensville	Hardy	1,200	14	^{b}41.0		65^{b}	19	12^{a}	8	45^{c}	2.09		0.75	2.5	7	11^{f}	6^{f}	8^{f}		Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	7								3.84		1.03	T.	17	6	5	20	w.	L. Else Bond
Alma (near)	Tyler	800	4								4.02		0.95	0	14	6	4	21		D. N. Furbee
Alpena	Randolph	2,571	1	38.4		62	12	8	8	37	4.62		1.80	2.0	15	1	10	20	w.	Christian Hertig
Benson	Harrison	1,080	7	41.8		69	11	12	8	37	4.76		0.98	0	15	9	8	14		John A. Clark
Bens Run	Pleasants	652	29	44.0	+ 9.6	64	14	20	8	27	4.76	+1.14	0.84	0	9	7	5	19		J. D. Riggs
Brownsville	Lewis	1,032	8	40.8		68	11	13	8	35	4.15		1.10	T.	14	10	2	19		George M. Meyers
Bruceton Mills	Preston	1,549	14								4.94	+1.75	1.22	T.	9	7	4	20		Mrs. H. R. Muldoon
Buckhannon	Upshur	1,411	34	45.2	+11.4	66	21	17	8	33	4.29	+0.21	1.08	0	13	10	1	20		H. A. Darnall
Cairo	Ritchie	680	30	42.8	+ 8.4	65	11†	15	8	38	4.38	+0.64	0.78	0	13	7	4	20		Eureka Pipe Line Co.
Cheat Bridge	Randolph	3,558	5								4.08		1.05	7.0	15					Miss Blanche Cromer
Clarksburg	Harrison	1,015	9	40.4	+ 5.8	66	11	14	8	38	3.80		1.00	0	13	5	5	21	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	8								3.91		1.00	T.	14	5	6	20	w.	George W. Blair
Creston	Wirt	640	29	42.2	+ 7.1	68	11	17	3†	35	3.92	+0.49	0.78	0	12	4	2	25		J. M. Reed
Dam 10 Mon. R.	Marion	826	10								5.26		1.49	0	14					Lockmaster
Dam 12 O. R.	Ohio	660	15								3.25	+0.31	0.75	0	13					Lockmaster
Dam 13 O. R.	Ohio	655	15								3.36	+0.51	0.90	0	10					Lockmaster
Dam 15 Mon. R.	Monongalia	882	10								4.93		1.08	0	17					Lockmaster
Davis	Tucker	3,093	22								6.10	+1.15	0.82		18					Albert B. Williams
Elizabeth (Dam 3 L. K.)	Wirt	615	19								4.70	+1.46	0.90	0	13					Lockmaster
Elkins	Randolph	1,947	30	40.6	+ 7.9	67	11	13	8	34	3.81	+0.35	0.93	0.3	16	3	4	24	w.	U. S. Weather Bureau
Fairmont	Marion	883	25	41.0	+ 7.4	65	12	17	8	31	4.35	+0.97	1.15	T.	14	4	5	22	w.	J. C. Robinson
Glenville^{a}	Gilmer	738	37	45.4	+ 9.8	74	12	18	8	41	3.75	0	1.32	0	15	7	7	16	w.	Howard R. Brannon
Grafton	Taylor	1,000	38	43.8	+10.0	68	11	15	8	34	5.85	+2.42	2.00	0	16	12	0	19		W. E. Clayton
Horner	Lewis	1,044	8								3.80		0.95	0	9					Foster R. Hardman
Horton	Randolph	2,840	6								3.64		1.05	1.9	14	5	1	25	w.	J. W. White
Janelew (near)	Lewis	1,020	8	43.2		68	11	14	8	36	3.30		1.10	0	10	10	2	19	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	33	41.8	+ 7.6	67	11	11	8	37	4.19	+0.67	1.09	T.	11	7	3	21	w.	Allen Smith
Mannington	Marion	985	28	41.6	+ 8.3	63	13†	15	8	32	4.96	+1.45	0.99	0	17	6	5	20	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	38	42.2	+ 8.1	69	19	13	7	34	7.05	+4.01	2.00	0	12	3	5	23	sw.	Prof. E. L. Andrews
New Cumberland	Hancock	671	33	^{a}39.6	+ 8.2	63^{a}	13	13	8	31^{a}	3.29	+0.54	0.98	0	13	5	6	20	s.	C. H. Hesse
New Martinsville	Wetzel	634	37	42.4	+ 7.3	63	12†	16	8	33	4.03	+0.52	0.78	0	10	5	4	22	s.	Wm. Ankrom
Parkersburg	Wood	638	44	43.1	+ 7.9	66	11	21	8	28	3.54	+0.51	1.06	0	15	4	4	23	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	31	42.2	+10.1	65	11	15	27	35						11	0	20		J. W. Swisher
Parsons No. 2	Tucker	1,649	5								4.24	+0.21	1.10	T.	16	5	4	22		Robert T. Deem
Philippi	Barbour	1,550	34								4.42	+0.61	0.85	T.	14					Prof. W. W. Thomson
Pickens^{a}	Randolph	2,697	28	39.0	+ 8.1	64	13	11	8	36	5.69	+0.21	1.40	2.0	14	7	3	20	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	8								4.25		1.00	0	16	8	2	21		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44								5.18	+1.19	1.59	0	15					Walter H. Bolyard
Saint Marys	Pleasants	577	22								4.21	+0.69	0.95	0	16					Wm. Hughes
Terra Alta	Preston	2,559	30	36.1	+ 5.7	60	11†	8	7	33	5.44	+0.68	1.26	T.	16	3	2	26	w.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	2								4.94		0.75	0.8	18					H. L. Stiles
Valley Chapel	Lewis	1,011	8	43.2		67	12	16	8	32	4.22		1.05	0	15	11	0	20	w.	J. C. Campbell
Vandalia	Lewis	1,120	8								4.34		1.09	0	12					James B. Kelley
Wellsburg	Brooke	668	24	40.8	+ 8.9	62	11†	14	8	35	2.99	−0.06	0.65	0	9	7	4	20	w.	George P. Pfister
West Milford	Harrison	979	6								4.27		1.05	0	12					Miss Dicie E. Wagner
Weston	Lewis	1,026	36	42.1	+ 6.5	62	24	18	8	30	4.10	+0.37	0.62	0	16	6	7	18		Weston State Hospital
Wheeling	Ohio	645	44	^{a}37.8	+ 5.5	62^{a}	13†	9	28	41^{a}	3.27	+0.26	0.82	T.	12	5	7	19	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	4								3.43		0.88	0	17	9	3	19	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	5								3.11		1.12	4.8	14	10	5	16	w.	H. S. Sutton
Bancroft	Putnam	574	27	^{a}41.4	+ 6.2	64^{a}	13	21	8†	29^{a}	3.12	−0.41	0.66	0	13	7	0	24	ne.	R. E. Dent
Beckley	Raleigh	2,440	28	45.0	+11.3	65	13	18	8†	44	5.25	+2.04	1.58	T.	16	6	9	16		L. A. Mauck
Bluefield^{e}	Mercer	2,558	36	44.3	+ 7.8	63	11†	20	28	38	4.53	+1.57	1.40	0	13	7	5	14		Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	16								5.04		0.80	T.	11					Miss Katie Jarvis
Charleston	Kanawha	600	28	45.2	+ 5.8	75	11	25	8†	31	2.83	−0.58	0.62	0	15	10	0	21		Dr. J. M. Cook
Clay	Clay	706	15								3.17	−0.65	0.62	0	17					Chilton Wilson
Dam 19 O. R.	Wood	600	15								3.08	−0.18	0.66	0	14					Lockmaster
Dam 20 O. R.	Wood	600	15								2.35	−0.96	0.77	0	8					Lockmaster
Dam 25 O. R.††	Mason	565	4								3.04		0.84	0	11					Lockmaster
Dam 26 O. R.	Mason	564	15								2.71	−0.42	0.76	0	14					U. S. Engineers Office
Gary	McDowell	1,426	15	44.7	+ 7.7	70	11	20	27	34	4.48	+1.08	0.82	0	20					U. S. Coal & Coke Co.
Hinton	Summers	1,431	34	42.5	+ 7.0	69	11	20	27†	35	4.51	+1.58	1.12	0.5	17	13	3	15		Mrs. M. L. McClung
Huntington	Cabell	538	34	46.6	+11.5	72	11	24	2†	32	3.30	−0.23	1.01	0	13	3	5	23	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	12								3.32	−0.11	0.47	0	15					J. O. Brown
Kayford	Kanawha	1,335	15								4.07	+0.09	0.56	0	18					Cabin Creek. Con Coal Co
Kermit	Mingo	579	5								3.99		1.08	0	15					E. B. Kirk
Kingston	Fayette	1,481	1								4.77		0.99	0	9	10	0	21		Claud J Wriston
Logan	Logan	700	28								4.35	+0.18	0.97	0	15					J. R. Wampler
Marlinton	Pocahontas	2,131	32	35.8	+ 6.6	68	11	8	7†	52	3.69	0.11	0.76	1.0	14	7	11	13	nw.	S. L. Brown
Point Pleasant	Mason	595	38	44.0	+ 8.5	69	11	17	8	33	3.22	−0.14	0.83	0	12	5	1	25	w.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	1	38.8		64	11	13	27	32	5.01		1.20	T.	17	10	0	21		H. M. Word, Jr.
Ravenswood (Dam 22)	Jackson	584	8	43.8	+ 6.3	69	12	20	2†	29	4.07	+0.79	0.74	0	16	6	0	25	sw.	Lockmaster
Richwood	Nicholas	2,193	1	42.4		66	20†	20	8	47	4.01		0.85	T.	14	5	2	24	ne.	Cherry River Paper Co.
Robertsburg	Putnam	570	31	42.8	+ 8.4	75	11	19	3	36	2.84	−0.60	0.78	0	15	10	0	21		M. Frazier
Ryan	Roane	700	28	40.9	+ 6.7	70	11†	11	27	39	3.47	0	0.78	0	13	7	5	19		Wm E. Ryan
Sharples	Logan	889	11								4.20	+0.58	0.83	0	11					R. W. Howard
Spencer	Roane	789	27	44.5	+ 8.2	70	11	20	3†	35	3.58	+0.25	0.67	0	14	6	3	22		A. M. McKown
Sutton	Braxton	850	25	44.1	+ 9.4	71	11†	17	27	35	4.35	+0.32	0.95	T.	13	17	0	14		C. B. Eakle
Union	Monroe	2,250	27	^{d}41.6	+ 8.0	66^{d}	14	16^{d}	8†	40^{d}	3.46	+0.67	1.01	T.	7	6^{e}	7^{e}	15^{e}		W. M. H. Young
Wayne	Wayne	598	4								3.56		1.12	0	13					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	21	^{a}37.4	+ 7.1	60^{a}	19	10	15	36^{a}	4.45	+1.37	0.80	T.	14	15	0	16		A. P. Spence
Williamson	Mingo	673	31	46.5	+ 9.3	73	11	25	27	32	5.08	+1.27	0.97	0	16	8	3	20	sw.	J. E. Dotson
State averages and	extremes			42.0	+ 8.2	75	11	8	7†	52	3.91	+0.42	2.00	0.3	13	8	4	19	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for December, 1931

Stations	Drainage-basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Panhandle Division																																	
Bayard‖	Potomac				.19	.11				1.16		.69	.17	.62	.50						.01		.25		.32	.12				.09		T	4.16
Brandywine	do				.05					.65			.05	.05	.05								.50		T								1.35
Circleville	do	.10			.02	.18				.54	.19		.13	.15	.24	.22				.02	.04		.05	.20		.21	.02		.08	.02			2.41
Harpers Ferry	do				.06	T				.70	.42		.12	.17	.06								.19			T							1.72
Kearneysville	do				.06					1.07		.13	.25	.30									.40		.05							.01	2.27
Martinsburg	do	.05			T	.01				.10	1.00			.30	.25	.05							.08	.13		.05							2.02
Moorefield	do				.03					1.15		.16	.04	.30	.05								.30	.03									2.06
Piedmont	do				.08					1.41	T	.61		.48	.11					T			.19		.24				T			T	3.12
Romney	do									.20	1.20		.50	.20		.50							.10										2.70
Stony River Dam	do	.35				.26																											
Upper Tract	do									.25	.40		.48	.25	.58					.03	.03		.19	.11		.31				.61			3.34
Wardensville‖	do				T.	.02				.75	.30		.21	.24									.25	.32						T			2.09
Northern Division																																	
Aberdeen	Monongahela				.29	.03				1.03	.06	.37	.13	.51	.32					.01	.01	.02	.37	T	.26	.22			.15	.02		.67	3.84
Alma (near)	Ohio	.01			.25					.95	.05	.75	.12	.70	.18						.05		.33		.42	.05			.04			.12	4.02
Alpena	Monongahela				.33	.05				1.80	.04	.29		.57	.46					.03	.01	T	.32	T	.38	.04			.26	.06		.04	4.62
Benson	do				.51	.03				.98	.10	.43	.46	.55	.20	.02				.04			.65		.50	.18			.21			.14	4.76
Bens Run	do				.25					.79		.81	.51	.74	.21					T			.56		.69							.20	4.76
Brownsville	do				.27	T			1.10		.11	.33	.11	.57	.30	T.				.08		.01	.52		.37	.12			.16			.10	4.15
Bruceton Mills	do				.43			T		1.22		.81		.86	T.							.12	.37		.77	.10			T			.26	4.94
Buckhannon	do				.30					1.08	.08	.52		.77	.55					.06		.05	.42		.25	.15			.20			.06	4.29
Cairo	Little Kanawha				.16	.04				.78		.52	.76	.77	.13					.03		.01	.18		.19	.10						.21	4.38
Cheat Bridge	Monongahela	.10						.23		1.05	.10	.03				.75				.05	.10		.45		.55	.05	T.		.19	.35	.04	.04	4.08
Clarksburg	Little Kanawha	.04				.30				.82	.14	T	1.00	.13	.46	T.					.03		.23	.20	.02	.26			.17				3.80
Crawford	do				.36					1.00	.05	.14	.23	.52	.39					.05			.45	T	.33	.08			.18	.03		.10	3.94
Creston	Monongahela				.21	.15				.72	.07		.47	.20	.78								.66	.06	.33	.11			.16				3.92
Dam 10, Mon. R	Ohio	.13			T	.14				.84	.20		1.49	.20	.37	.15					.11		.12	.52		.71			.11	.08			5.26
Dam 12, O. R.	do	.20			.03	.16				.22	.05	T	.45	.45	.47	.08					.08		.22	.11		.75							3.25
Dam 13, O. R.	Monongahela					.07				.40	.10		.90	.65	.50	.10				.02				.10		.52							3.36
Dam 15, Mon. R‖	do	.11			.02	.26				.88	.28		1.08	.21	.48	.15				.02	.06		.18	.44		.59	.02		.12	.05			4.93
Davis	do	.43			.02	.46	T.			.82	.72	.01	.79	.23	.56	.40			T.	.02	.11	T	.22	.31		.69	.01		.25	.05			6.10
Elizabeth (D'm 3 L.K)	Little Kanawha				.15	.07				.66	.05		.83	.32	.55					.03			.50		.25	.33			.06			.90	4.70
Elkins***	Monongahela				.35				.02	.91	.05	.26	.26	.34	.46	T				.04		.08	.20		.43	.11			.27	.01		.05	3.81
Fairmont	do	.05			.02	T				.90	.22		.97	.18	.45	.12					.05		.29	.46		.56	T.		.14	.03			4.35
Glenville‖	Little Kanawha	.67			.04	.06				1.32	.10	T.	.26	.14	.57	.12				.04	.03		.31	.27	T.	.30	T.		.12				3.75
Grafton‖	Monongahela			.04	.30	.10	T			1.01	T.	2.06	.03	.50	.18					.03	.05	.03	.48		.58	.10			.14			.28	5.85
Horner	do				.45					.95		.55		.53	.47					.17						.22					.66	.46	3.80
Horton	do				.08	.15				1.05	.04	.15		.48	.57					.06		.05	.45	.04	.06	.23			.23			T.	3.64
Janelew (near)	do				.20					1.10	.10	.30	.15	.65	.15								.40		.15	.10							3.30
Lost Creek	do				.30					1.09	T.	.52	.45	.62	.19					T.	T	T	.56		.25	.06			.10			.05	4.19
Mannington	do				.21	.01				.99	.06	.70	.73	.51	.23					.02	.02		.69	.01	.46	.15			.10	.01		.06	4.96
Morgantown	do	T.	T.		.15					.60	.50	2.06	.68	.25	.50					.40	.54	.50		.43	T.			.50	T.				7.05
New Cumberland‖	Ohio				.09	.33				.14	.03	.31	.38	.34	.98	.11				T			.07	.06	T.	.43				.02			3.29
New Martinsville	do				.22					.66	.04	.78	.28	.73	.26								.38		.48							.20	4.03
Parkersburg***	do			.01	.21				.06	.65	T	.59	.27	.49	.18				T.	.02		.65	.09		.21	.02			.03			.66	3.54
Parsons	Monongahela																																
Parsons No. 2	do				.33	.05				1.10	.08	.38	.16	.41	.48					.04	.03		.32	.04	.33	.35			.09	.05			4.24
Philippi	do	.25				.35				.86	.35		.85	.15	.28	.15				.05	.06		.15	.28		.35	T.		.35				4.42
Pickens	do				.40	.02				1.40	.22	.10	.30	.31	.94							.15	.79		.45	.16			.35	.10			5.69
Roanoke	do				.35	.02				1.00	.04	.11	.15	.34	.88					.10	.01	T.	.60		.24	.10			.17	.06		.08	4.25
Rowlesburg‖	do	.27				.45				.65	.59		1.59	.29	.46	.22				.02	.03		.12	.04		.31			.02	.09			5.18
Saint Marys‖	Ohio	.02			.07	.26				.63	.05	.02	.95	.40	.57	.02				.01			.11	.42	.35	.37			.02				4.21
Terra Alta	Monongahela			.01	.42				1.64	.48	.02	1.23	.29	.64	.32				.04	.05		.08	.33	.31		T.		T.	.06			.06	5.14
Thomas	do	.33				.39	.02			.75	.40	.07	.63	.22	.57	.34				.02	.07		.15	.27		.45	.19		.02	.07			4.94
Valley Chapel	do				.32					1.65	.05	.38	.27	.60	.33					.05	.03		.48		.23	.10			.15			.20	4.22
Vandalia	do				.35				1.09		.07		.55	.66	.41				.09				.42		.29	.10			.18			.13	4.34
Wellsburg	Ohio				.18	.10	T			.20	T.	.65	T	.60	.55	T.							.20	T.	.46	T.				.05		T.	2.99
West Milford	Monongahela				.28	.05				1.05	.08	.17	.50	.48	.20								.55		.36				.23			.08	4.27
Weston	do	.26			.02	.33				.62	.51		.41	.15	.58	.10				.03	.11		.21	.23	.02	.33			.19				4.10
Wheeling‖	Ohio	T			.02	.07		T.		.22	.12	T.	.82	.44	.50	.08				T.	.63		.11	.11	T.	.75				T.			3.27
Woodlands‖	do				.03	.13				.32	.10	.01	.88	.47	.63	.03				.02	.01		.03	.15		.55	.03		.03	.01			3.43
Southern Division																																	
Arbovale	Great Kanawha				.17	.01				1.12	.01	T.	.21	.22	.25							T.	.71	.08		.04			*	.22	.03	.04	3.11
Bancroft‖	do				.15	.09				.66	.02		.20	.47	.45								.60	.06	.17	.12			.06			.07	3.12
Beckley	do			.02	.16	.02				.68		T	1.58	.37	.41				.02	.09	.28	.13	.54		.44	.07			.24			.20	5.25
Bluefield	do	.05		.10	.04					.65			1.40			.60			.04	.10		.30	.65		.15				.25			.20	4.53
Camden-on-Gauley‖	do	.36				.56				.63	.30		.42	.33	.80						.26			.60	.34	T				.44			5.04
Charleston‖	do	.10			.18	.10				.62	.06		.04	.25	.45					.03			.53		.01	.25			.15	.01		.05	2.83
Clay‖	do	.29			.02	.22		T		.62	.12	.01	.02	.23	.52	.06				.12	.05		.25	.32		.10			.21			.01	3.17
Dam 6 G. K‖	do				.10	.12				.73	.07		.05	.25	.50					.05			.62	.05	.02	.22			.14			.03	2.95
Dam 19 O. R.‖	Ohio	T.			.10	.12				.66	.14	T.	.62	.34	.60					.02	.02		.14	.03	.14	.03			.12	T.			3.08
Dam 20 O. R.‖	do			.08	.14				.77	.08	T.	.68		.32	T	T.	T.			T.	T.		.10	T.	.18	T.			T.	T.			2.35
Dam 25 O. R.‖	do				.12	.10				.84	.08		.71	.28	.66				.03	T.		.16			.01			T.			.02		3.04
Dam 26 O. R.‖	do				.12	.06				.76	.09	.04	.20	.30	.71								.19	.02	.10	.05			.02			.05	2.71
Gary‖	Big Sandy	.53			.06	.02				.60	.01		.60	.28	.82	.10			.01	.05	.15	.01	.50	.06		.20	.01		.24	.02		.21	4.18
Hinton‖	do	.25			.01	.10				.69	.19		1.12	.48	.32	.05				T.	.13	.10	.52	.06		.18			.16	.01		.14	4.51
Huntington	Ohio			.02	.28					1.01		.08	.17	.57	.21					.04		.07	.15		.21				.07			.44	3.30
Kanawha Falls‖	Great Kanawha	.30			.10	.16				.47	.07		.35	.23	.44					.10	.10		.25	.13		.42			.10			.10	3.32
Kayford‖	do	.56			.02	.28				.43	.09	.02	.31	.40	.37	.21				.12	.28	T.	.20	.27		.24	T.		.16	.06		.05	4.07
Kermit‖	Big Sandy				.12	.02				1.08	.05		.35	.22	.65					.02	.10	.02	.63		.18	.05			.25			.25	3.99
Kingston	Great Kanawha			.30					.39				.99	.45	.45							.66	.48		.29							.76	4.77
Lewisburg	do																																
Logan‖	Guyandotte	.19	T.		.10	.12				.75	.02		.97	.30	.53					.04	.07	.03	.48	.08					.45	T.		.22	4.35
Marlinton	Great Kanawha			.12	.16					.28		.42	.34	.23	.30							.22	.54		.24	.04			.10	.36		.34	3.69
Point Pleasant‖	Ohio				.15	.12				.80	.10		.34	.44	.83								.16	.04	.10	.10						.04	3.22
Rainelle	Meadow Creek		.02		.15		.02			1.02	.02		1.20	.31	.44						.35	.17	.45	.05	.26	.05			.25	.03		.16	5.01
Ravenswood(Dam 22	Ohio‖	.02		.55	.13	.11				.69	.08		.56	.36	.74					.02			.20	.05	.40	.09			.05			.62	4.07
Richwood	Great Kanawha	T		T.	.27	.02				.52	.04	T.	.85	.40	.56				.15	.10		.60				.20			.10	.05		.15	4.01
Robertsburg‖	do	.02			.18	.10				.78	.07		.10	.22	.41					.02			.37	.03	.28	.13			.08			.05	2.84
Ryan	do				.28					.75	.01	.13		.57	.32					.06		.03	.75		.25	.01			.10			.15	3.47
harples‖	Coal River	.32			.12			.10		.83	.11	.62	.61	.08	.46						T.								.62			.33	4.20
pencer‖	Great Kanawha	.07			.04	.29				.67	.05		.44	.31	.45					T.	.06		.38	.40	.08	.37			.09			T.	3.58
utton	Gauley				.30					.95	.10	.10	.10	.50	.50					.15	T.		.55		.50	.20			.25			.15	4.35
nion	do				.06					.77	.16		.78		.40			T.		T.		T.	1.01		T.	T.			.28			T.	3.46
ayne‖	Big Sandy				.27					1.12	.08		.02	.13	.50					.07	.01	.26	.46		.19				.18			.27	3.56
hite Sulpr. Spgs.‖	Great Kanawha				.05				.10	.60		.50	.40	.40	.35					.05		.80	.20		.10				.20		.10	.60	4.45
illiamson‖	Big Sandy	.30			.13	.06				.87	.04		.79	.35	.74					.02	.07	T.	.97	.09	.03	.28			.14			.20	5.08

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for December, 1931

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	45	38	56	57	43	41	42	32	48	48	62	60	61	60	35	41	52	52	61	55	52	61	62	63	57	34	49	44	40	49	38	49.6
	Minimum	32	21	13	38	32	20	24	17	25	36	31	53	43	34	25	25	18	32	40	39	25	44	41	50	26	18	8	24	32	25	29	29.7
Brandywine	Maximum	55	54	42	50	51	55	50	39	40	52	59	65	60	58	42	48	52	60	65	57	51	57	62	60	59	48	45	47	46	45	42	52.1
	Minimum	34	30	15	34	27	30	27	11	24	30	31	40	45	42	27	17	20	30	37	42	27	35	30	42	40	12	9	15	28	21	25	28.3
Kearneysville	Maximum	48	42	50	50	53	53	48	36	33	49	48	60	58	62	46	51	55	56	62	60	49	48	58	59	58	42	42	40	46	46	40	49.9
	Minimum	41	30	19	41	43	33	28	18	25	31	33	44	44	45	34	26	25	36	40	48	33	42	47	46	37	26	19	22	31	28	28	33.6
Martinsburg|||	Maximum	55	45	50	55	48	55	47	55	55	48	49	50	65	55	58	45	55	55	57	62	62	57	60	60	45	42	42	40	46	43	..	52.0
	Minimum	42	32	18	20	45	25	26	20	20	28	31	40	41	45	44	36	26	24	27	37	50	41	41	45	45	28	20	22	27	30	29	32.4
Moorfield	Maximum	62	47	51	59	59	57	53	41	40	60	54	71	66	63	49	53	63	60	68	64	55	54	66	67	67	47	42	41	49	48	47	55.6
	Minimum	41	36	12	33	40	29	28	10	32	33	34	44	46	44	30	29	19	36	31	32	29	44	41	51	39	26	14	24	31	23	27	31.9
Piedmont	Maximum	47	41	45	54	43	46	37	29	34	46	43	65	46	57	40	45	55	54	56	58	46	57	55	62	51	35	39	36	43	46	37	46.7
	Minimum	36	28	19	36	25	23	26	16	25	33	37	43	45	40	30	26	24	32	37	46	34	44	49	51	31	26	18	26	36	30	30	32.3
Romney|||	Maximum	45	46	50	55	66	54	47	43	48	71	47	69	49	59	44	50	61	62	63	59	52	55	61	64	44	43	41	43	51	48	..	53.0
	Minimum	40	29	15	17	40	22	24	16	19	31	35	38	44	45	34	23	21	22	37	54	33	42	43	49	40	27	15	16	26	25	25	30.5
Upper Tract	Maximum	43	48	50	55	54	50	10	35	43	70	70	68	60	59	56	48	..	58	61	62	64	..	65	66	..	..	45	46	46	45	..	54.1
	Minimum	38	38	16	42	42	35	35	10	24	33	34	42	43	43	29	20	..	22	35	35	36	..	30	30	..	..	11	22	23	23	..	30.4
Wardensville	Maximum	49	45	56	62	58	45	48	35	49	57	50	65	50	64	55	50	64	64	65	60	49	60	61	..	46	45	44	47	49	50	..	53.2
	Minimum	40	28	13	21	28	25	31	12	19	31	29	39	39	44	34	28	19	22	28	44	28	40	45	45	..	25	13	20	27	21	30	28.9
Northern Division																																	
Alpena	Maximum	45	37	49	51	42	42	40	32	40	46	61	62	61	58	35	38	51	53	51	53	45	53	52	60	54	46	45	37	38	49	48	47.5
	Minimum	30	21	16	39	30	25	23	8	26	36	31	53	50	33	25	20	19	28	34	42	23	41	41	47	24	16	9	27	32	25	30	29.2
Bens Run	Maximum	62	48	45	50	50	45	45	35	50	50	63	62	63	64	43	48	54	54	54	57	54	55	56	62	58	40	45	49	49	58	59	52.5
	Minimum	39	26	24	41	39	29	31	20	33	43	41	51	48	41	30	29	27	28	43	46	34	45	37	48	36	25	25	34	38	32	38	35.6
Buckhannon	Maximum	50	43	50	54	47	46	46	38	51	50	65	65	64	62	42	42	47	51	54	56	66	56	55	64	57	37	50	48	47	46	55	56.7
	Minimum	35	23	21	43	37	26	31	17	35	43	38	46	47	41	31	26	26	23	35	45	33	50	37	33	36	25	19	33	38	31	39	33.6
Cairo	Maximum	48	45	49	51	51	47	43	41	50	51	65	65	65	64	58	58	55	55	56	62	61	58	63	63	62	42	52	49	49	52	49	54.2
	Minimum	40	19	17	41	39	23	28	15	32	41	37	49	49	42	24	20	19	21	39	33	31	49	32	32	35	21	16	36	28	30	39	31.5
Clarksburg |||	Maximum	41	44	50	51	40	46	40	43	50	45	66	65	63	60	41	47	54	56	58	51	60	53	55	61	38	44	56	45	43	47	55	50.6
	Minimum	40	21	17	19	38	23	24	14	20	41	36	41	50	50	30	26	20	22	24	50	30	33	34	39	37	23	18	19	36	31	33	30.3
Creston	Maximum	45	44	49	48	42	48	44	38	51	50	68	65	64	62	42	44	50	55	58	56	60	55	57	62	61	40	44	48	45	46	52	51.4
	Minimum	38	19	17	39	37	26	30	17	33	40	37	50	51	41	27	22	20	22	41	48	32	50	32	48	35	20	17	31	38	24	37	32.9
Elkins	Maximum	41	40	47	54	38	45	38	38	51	45	67	62	65	61	37	43	54	56	57	58	53	59	60	64	49	36	44	42	42	48	50	49.8
	Minimum	30	23	18	37	26	24	18	13	32	35	35	52	50	35	28	25	20	26	49	36	32	46	45	49	26	18	15	30	35	29	34	31.3
Fairmont|||	Maximum	40	50	47	50	38	42	37	43	48	46	62	65	62	60	42	49	56	57	56	51	59	55	56	60	37	48	48	46	41	49	51	50.0
	Minimum	39	25	20	22	38	26	30	17	19	42	39	43	49	52	30	27	25	26	28	49	29	33	39	40	36	25	20	21	38	31	31	31.9
Glenville	Maximum	51	47	49	55	53	50	49	36	66	69	66	74	69	68	48	61	59	60	65	56	58	67	61	66	59	53	54	68	51	48	..	57.9
	Minimum	39	21	19	42	39	27	32	18	34	37	38	48	54	43	37	20	20	22	34	35	37	34	36	38	35	28	19	33	40	29	..	32.9
Grafton	Maximum	40	44	53	52	50	47	46	42	53	53	68	66	65	64	55	48	56	57	55	57	61	55	57	63	61	42	54	44	45	54	54	53.6
	Minimum	37	26	20	41	37	25	30	15	33	41	38	54	51	44	30	23	22	23	35	43	31	50	36	50	34	28	19	32	37	31	36	33.9
Lost Creek	Maximum	48	45	50	49	48	47	45	36	50	50	67	66	60	62	42	46	55	56	55	58	60	59	62	61	60	40	51	48	44	49	54	52.4
	Minimum	37	18	15	40	36	21	30	11	30	40	33	51	50	40	28	25	18	20	33	45	29	49	36	40	33	19	14	29	38	26	35	31.3
Mannington	Maximum	47	40	49	51	47	45	43	35	50	49	62	61	63	63	41	45	52	54	54	57	59	58	55	61	60	37	46	47	46	45	51	50.7
	Minimum	37	22	18	39	37	24	32	15	31	42	39	49	47	41	30	24	20	22	32	45	29	50	34	48	34	24	18	29	36	29	35	32.6
Morgantown	Maximum	57	57	51	51	51	51	40	37	50	50	61	61	66	62	46	46	52	54	69	55	61	61	53	59	58	47	43	43	43	44	45	52.4
	Minimum	29	29	21	34	33	19	13	14	33	34	40	50	45	38	28	14	28	29	42	36	43	49	41	53	24	19	35	32	37	27	27	32.1
New Cumberland|||	Maximum	40	45	53	49	38	42	38	37	48	44	64	60	63	51	40	48	54	51	55	46	57	58	54	62	37	41	44	48	41	42	..	48.3
	Minimum	36	27	22	22	33	29	31	15	17	36	40	37	36	42	31	31	28	27	29	45	30	33	44	44	37	27	21	24	34	24	25	30.9
New Martinsville	Maximum	47	46	51	50	47	44	42	35	50	50	62	63	63	63	45	49	55	57	55	57	58	57	55	62	61	42	45	50	49	48	49	51.8
	Minimum	36	22	19	39	37	35	30	16	30	40	40	47	45	39	28	25	23	24	39	44	29	49	35	47	32	22	21	32	34	30	36	33.1
Parkersburg	Maximum	42	43	46	50	41	45	40	38	50	48	66	64	63	62	44	49	53	51	57	57	58	55	57	62	46	40	52	50	44	47	52	50.7
	Minimum	32	27	22	40	37	26	24	21	34	43	42	49	49	40	32	31	27	28	49	40	38	51	43	46	33	26	24	40	36	33	39	35.5
Parsons	Maximum	46	53	60	45	46	58	48	47	50	47	65	62	60	62	42	46	58	49	55	58	55	62	56	64	52	46	45	41	42	57	47	52.4
	Minimum	37	40	45	31	31	30	25	18	21	32	35	44	53	36	26	22	20	24	24	34	32	47	44	51	30	20	15	29	36	29	35	32.1
Pickens	Maximum	44	38	55	55	39	44	39	44	48	45	62	61	64	59	42	44	52	47	56	54	56	55	53	59	52	40	48	40	39	52	..	49.5
	Minimum	30	29	19	36	28	24	24	11	26	34	36	46	48	32	24	20	23	28	34	24	20	43	36	27	26	14	15	30	33	27	..	28.6
Terra Alta	Maximum	31	37	49	52	36	39	33	32	46	40	60	60	59	57	34	40	50	50	52	45	54	57	55	59	32	34	44	38	38	46	41	45.2
	Minimum	21	14	19	31	22	25	8	14	34	35	36	46	51	24	22	19	18	30	31	29	36	40	41	30	18	11	16	33	26	29	26	27.0
Wellsburg	Maximum	46	44	51	49	47	43	41	32	48	48	62	62	62	62	41	48	52	52	54	56	55	57	52	62	60	39	46	48	44	43	46	50.1
	Minimum	35	24	16	33	33	32	28	14	29	40	41	38	40	40	39	22	20	22	31	44	28	49	41	46	32	26	17	28	33	29	30	31.6
Weston	Maximum	42	41	50	50	48	39	41	40	50	48	55	60	60	58	52	42	50	55	55	53	60	58	55	62	60	42	40	44	42	49	45	50.0
	Minimum	40	35	34	36	28	35	22	18	29	34	36	50	50	45	30	28	24	25	35	45	33	49	39	51	31	20	19	33	39	30	38	34.2
Wheeling|||	Maximum	44	49	52	52	43	42	41	38	50	48	60	60	62	55	44	56	55	50	55	50	55	58	50	62	40	35	30	50	46	40	..	49.1
	Minimum	30	20	15	20	31	20	26	10	15	38	40	40	41	35	25	23	21	20	31	45	25	35	35	40	32	20	15	9	15	24	29	26.6
Southern Division																																	
Beckley	Maximum	57	56	53	53	52	52	51	50	49	56	61	64	65	64	63	62	62	61	60	59	57	53	57	58	57	55	53	52	52	51	49	56.4
	Minimum	33	20	24	39	31	28	25	18	25	43	40	54	52	36	27	18	25	35	46	46	39	44	33	50	32	21	19	32	38	29	39	33.6
Bluefield	Maximum	41	46	48	59	53	..	52	43	51	58	63	63	..	44	45	45	51	59	58	..	62	54	59	62	..	62	..	51	49	54	49	53.2
	Minimum	36	23	32	44	33	..	27	22	24	43	49	56	..	38	29	25	29	42	43	..	42	41	40	52	..	24	..	20	38	30	38	35.0
Charleston |||	Maximum	46	50	46	54	50	54	55	46	54	54	75	59	62	58	55	50	55	56	59	59	60	61	57	59	45	52	55	48	53	47	57	54.5
	Minimum	42	27	26	28	40	30	30	25	25	44	44	45	50	53	34	26	26	29	38	47	42	47	39	42	42	29	25	27	40	35	37	35.9
Gary |||	Maximum	43	50	46	59	47	56	46	49	58	63	70	64	67	60	46	46	48	61	64	65	57	59	63	62	42	49	53	45	52	59	52	54.9
	Minimum	41	25	23	25	39	27	28	25	27	44	40	41	50	52	34	21	21	31	46	51	45	49	34	38	40	25	20	25	38	33	33	34.5
Hinton |||	Maximum	44	51	43	58	50	55	48	39	40	62	69	62	58	58	47	48	44	62	63	60	57	60	54	62	45	48	44	40	51	50	47	52.2
	Minimum	41	28	23	25	38	27	27	24	25	33	37	37	50	50	34	25	25	27	34	46	40	44	35	36	40	27	20	20	34	32	32	32.8
Huntington	Maximum	47	47	43	52	46	52	49	45	52	50	72	70	70	63	63	45	54	51	61	59	65	59	64	65	62	58	50	51	49	49	55	55.4
	Minimum	41	24	25	42	39	28	31	28	34	45	43	46	53	44	32	25	26	32	48	50	42	52	39	52	42	26	21	37	43	33	42	37.7
Lewisburg	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Marlinton	Maximum	52	32	48	48	52	58	50	42	42	56	68	60	58	54	36	40	46	54	58	56	42	46	52	56	54	40	38	34	40	44	54	48.7
	Minimum	20	10	10	24	14	9	8	10	10	22	16	46	48	36	20	12	14	18	30	32	32	38	32	42	30	16	8	22	28	22	34	23.0
Point Pleasant	Maximum	48	45	45	52	46	52	47	42	50	51	69	68	64	64	48	50	56	52	62	64	62	59	61	63	62	45	52	54	53	48	51	54.4
	Minimum	38	19	20	38	37	25	27	17	31	39	38	50	48	40	28	24	23	25	44	48	35	49	34	48	38	22	20	34	37	29	37	33.6
Rainelle	Maximum	50	41	43	51	45	49	41	35	34	53	64	60	61	55	37	41	51	57	56	56	45	51	55	58	56	36	40	44	43	46	40	48.2
	Minimum	32	17	21	29	30	25	27	15	23	32	32	52	45	35	27	14	19	25	34	35	33	44	28	42	36	20	13	30	32	26	34	29.3
Ravenswood	Maximum	48	48	48	47	44	50	45	39	50	57	47	69	68	63	44	48	53	52	59	59	53	58	58	67	66	42	52	51	50	52	52	52.9
	Minimum	26	20	20	43	38	26	31	22	34	43	39	52	43	41	31	26	24	25	47	49	35	51	39	51	38	23	22	35	38	30	35	34.7
Richwood	Maximum	52	41	50	57	47	48	44	38	44	50	65	59	65	62	47	44	58	60	58	66	57	54	58	66	48	42	40	54	42	51	58	52.4
	Minimum	34	24	25	44	34	32	28	20	27	41	36	38	48	39	21	23	33	21	48	35	10	35	45	42	30	21	25	37	40	31	38	32.4
Robertsburg|||	Maximum	46	50	46	55	40	55	38	40	55	48	75	63	65	65	47	48	58	54	64	58	63	58	63	69	46	48	55	48	48	50	57	54.0
	Minimum	40	20	19	25	38	26	26	21	26	38	39	45	49	54	30	22	22	24	30	49	37	42	34	44	39	22	20	22	34	32	31	32.3
Ryan	Maximum	43	45	50	50	45	50	40	35	47	45	70	70	60	60	45	44	50	60	60	52	65	53	55	62	55	40	50	44	43	44	55	51.2
	Minimum	35	16	17	38	36	21	27	17	31	37	36	51	49	40	24	17	18	21	33	47	32	46	29	45	34	19	11	29	35	26	32	30.6
Spencer |||	Maximum	56	45	52	52	44	50	45	45	51	57	70	61	65	60	45	48	55	57	60	54	59	56	60	63	48	42	55	49	43	46	53	53.1
	Minimum	40	22	20	41	39	26	27	22	40	42	42	53	54	43	30	24	23	25	48	52	37	49	37	47	48	22	20	39	39	30	31	35.9
Sutton	Maximum	52	45	50	50	49	49	49	43	52	52	71	71	64	64	50	46	54	58	68	68	58	58	59	59	58	42	51	51	45	47	55	54.5
	Minimum	40	22	19	41	38	26	31	19	34	41	37	58	50	45	31	20	21	23	36	42	35	47	33	48	34	22	17	32	39	31	34	33.7
Union	Maximum	55	40	41	57	56	..	51	43	37	54	65	65	..	66	46	42	43	56	63	..	60	53	59	60	60	61	..	42	45	49	48	52.5
	Minimum	36	21	19	34	34	..	22	16	24	31	34	55	..	43	29	16	22	30	38	..	38	42	30	41	42	21	..	17	35	27	35	30.8
White Sulphur Spgs.	Maximum	43	40	55	42	41	43	34	42	50	56	56	57	54	43	43	43	56	58	60	52	53	53	56	40	42	40	40	45	44	42	..	47.4
	Minimum	19	15	19	36	20	24	18	21	28	33	35	48	48	30	10	11	22	32	48	34	42	29	33	32	18	12	15	33	25	27	35	27.5
Williamson|||	Maximum	45	46	53	56	45	54	50	51	54	59	73	63	63	58	47	45	50	63	64	62	61	60	65	65	47	47	55	50	53	53	58	55.3
	Minimum	42	27	27	29	41	31	27	28	30	47	44	46	53	55	37	28	28	31	46	52	45	50	40	44	43	29	25	27	42	37	37	37.7

||| Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 1-27-32—900)

UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

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HENRY C. HOWE, Meteorologist

Vol. XXXIX PARKERSBURG, W. VA., YEAR, 1931 No. 13

GENERAL SUMMARY

The year 1931 was exceptionally warm. The precipitation averaged slightly below the normal. The average temperature, 51.7°, was the highest average of State record, except for 1898 and 1921, when the averages were 54.8° and 55.6°, respectively. The average snowfall was the lowest of State record, except for 1919. There was some damage by hail and wind-rushes during thunderstorms in July. The rivers were low nearly all the year. There were no floods.

January, February and March were dry, but there was ample rain during April and May. The conditions were droughty at the close of June, but the rainfall during July, August and September was considerably above the normal. The late fall months were dry but December was wet.

The temperature for January and February was considerably above the normal, the spring months were cool and the summer months warm. The temperature was also considerably above the normal for the last four months.

The conditions were favorable for nearly all crops and fruits. The apple crop was exceptionally large, so large that much of the yield rotted in the fields.

The season of growth extended from early May to about October 18, being near the normal.

Cloudiness was near the normal. The sunshine at Parkersburg averaged 44 per cent. of the normal, or 2 per cent. below the normal. For Elkins the average was 46 per cent., or 1 per cent. above the normal.

The wind movement for Parkersburg was 39,537 miles, and at Elkins 38,466 miles.

THE WEATHER BY MONTHS

January.—Following the driest year of State record, the past month, with an average precipitation of 1.37 inches, was the driest January of State record. Streams were low and water was scarce for all purposes. The snowfall was less than one-half the normal and the ground was practically bare in most of the agricultural regions during the cold period of the month, or from the 1st-2d, 14-16th and the 22-23d. The temperature averaged considerably above the normal.

February.—February was considerably warmer than usual. The temperature fluctuations were slight, the highest reading for the month being 68° and the lowest 5°. The precipitation was below normal, making the fifteenth consecutive month with deficient precipitation. There was practically no snow during the first and last weeks. Good rains on the 17-18th relieved the drought considerably. The conditions were favorable for winter grains.

March.—March was exceptionally cloudy and cold. While the temperature averaged more than 5° below the normal, the lowest temperature was only 10°. The precipitation was slightly below the normal but the snowfall was much above the average, being heavy in most of the mountain regions. The falls were moderate over the eastern and western counties, where the snow melted nearly as fast as it fell. The following monthly amounts were noted: Pickens, 46 inches; Alpena, 33 inches; Horton, 29.4 inches; Richwood, 21.2 inches.

April.—The temperature averaged somewhat below the normal and the precipitation considerably above. There were three marked periods of temperature, two of cool weather and one of warm weather. The temperature was continuously below the normal from the 22d to the close of the month, the lowest temperature of the month occurring at about one-half the stations on the 30th. The highest readings were on the 14th and 19th. Heavy to killing frosts occurred at the close of the month, causing some damage to tender plants.

May.—This month was characterized by frequent showers, thunderstorms and hail. The month was cool, with light to killing frosts early in the month and on the 24th, causing considerable damage to potatoes and beans. Not withstanding unfavorable weather conditions, crops made fair to good growth and were in satisfactory condition at the close of the month. The precipitation averaged slightly more than one inch above the normal.

June.—June was warm and dry. No frost damage of consequence was reported. The temperature was high from the 20th to the close of the month. Hail fell at many stations but damaging hail fell at only a few places. The wind was moderately high on the 26th but practically no damage resulted. Plant growth was rapid during the last two decades.

July.—July was exceptionally warm. The precipitation was slightly above the normal but was unfavorably distributed. There were several local excessive rains and heavy hail storms, attended by wind-rushes, causing considerable damage. In Mason County a silo was blown over and lightning struck a garage, causing considerable damage. Heavy hail and excessive rain, attended by a wind-rush, blew over two barns in Putnam County. Heavy hail and excessive rain, attended by a wind-rush, caused considerable damage between Lewisburg and Ronceverte. A heavy hail storm swept over the Cherry Run Orchard in Morgan County, on the 16th, destroying nearly all the crop of Transparent apples.

August.—The rainfall for August averaged 2.22 inches above the normal. Considerable damage resulted from soil washing and there were many reports of grain sprouting in the fields. The wheat and corn crops were good at the close of the month and a large fruit crop was indicated.

September.—This month was warm and wet. The temperature was above the normal for two thirds of the month, but light frosts occurred in the northern agricultural districts and killing frosts in the northern mountain region on the last two days. One third of the month's rainfall was received on the 25-26th. The month was favorable for ripening crops. The fruit crop was abundant.

October.—October was warm and dry. The average temperature was as high or higher than for any other October of State record for the past ten years. The precipitation was much below the normal. Heavy to killing frosts were general over the State on the 18-19th. The conditions were especially favorable for apple-picking and other farm work.

November.—This month was the warmest November of State record. A maximum temperature of 88° was noted, also a State record for November. The precipitation was considerably below normal, especially in the northeastern counties, where droughty conditions prevailed. The snowfall was generally unimportant. Stock remained in the open nearly the entire month.

December.—This month was also the warmest of December State record, except in 192[illegible]. After the 8th the temperature was continuously above the normal, except on the 26-27th. The precipitation was considerably above the normal, filling the smaller streams and thoroughly soaking the soil. The snowfall was unimportant, except at five or six stations. No snow was observed at 58 stations. Stock remained in the open, making a great saving of feed.

ERRATA.—Correct Monthly Climatological Data for 1930, to read: November.—Alpena, make monthly precipitation 2.14 inches, Rainelle, make total snowfall 13.4 inches. December.—Bancroft, make total snowfall 3.6 inches, Bayard, make total snowfall 18.5 inches. Fairmont, make mean maximum temperature 37.4° and mean monthly temperature 30.8°.

EVAPORATION

Monthly evaporation (inches); wind movement (miles)

Name of Station		Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.
Clarksburg	Evaporation		3.630	4.864	5.873	6.843	5.019	4.870	2.427	......
	Wind Movement		2,000	1,426	1,114	870	950	1,280	1,093	......

Station established June 1, 1923.

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Precipitation			Number of days			
	State mean	Highest	Lowest	State average	Greatest local amount	Average snowfall	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	......	......	45.96	......	......	......	......	......	......
1892	52.1	99	−12	38.33	7.20	......	......	......	......	......
1893	52.0	99	−25	39.82	7.85	......	116	......	......	......
1894	53.5	103	−29	34.52	7.48	......	102	155	114	96
1895	51.5	107	−21	32.82	7.69	......	100	150	111	104
1896	53.6	97	−10	43.49	15.70	.	111	132	128	106
1897	53.5	103	−18	41.59	8.42		116	141	113	111
1898	54.8	103	−13	47.61	11.57	20.6	117	133	129	103
1899	53.2	100	−35	40.97	8.64	36.1	108	142	107	116
1900	54.1	104	−11	37.62	9.00	30.6	114	135	116	114
1901	52.1	104	−11	44.78	11.10	28.2	116	128	95	142
1902	52.8	104	−14	42.19	9.95	49.1	112	128	118	119
1903	52.0	105	−19	40.55	12.30	29.3	112	151	102	112
1904	50.9	98	−20	33.33	8.29	31.7	111	148	110	108
1905	52.3	100	−22	45.53	10.64	35.3	117	144	102	119
1906	54.0	101	−11	44.36	11.15	40.2	130	134	101	130
1907	51.7	98	−23	52.15	13.36	35.0	138	128	102	135
1908	53.7	101	−16	40.47	11.45	38.0	116	155	110	101
1909	53.0	101	−10	43.02	10.50	30.3	126	143	109	113
1910	52.3	98	−11	38.60	13.16	47.4	118	140	103	122
1911	54.6	106	− 5	47.13	12.63	23.2	131	140	97	128
1912	51.7	100	−34	43.78	14.02	33.9	124	159	81	126
1913	53.9	103	− 4	49.02	10.53	31.6	122	162	79	124
1914	52.3	106	−22	39.71	10.05	67.7	116	153	81	131
1915	52.8	101	− 8	43.76	11.38	29.4	125	146	84	135
1916	52.6	104	−18	44.63	10.79	43.9	121	157	92	117
1917	49.9	104	−37	44.33	14.20	54.6	123	163	74	128
1918	53.2	110	−27	44.77	10.28	37.7	122	160	83	122
1919	54.0	104	−16	47.27	13.08	16.8	118	164	78	123
1920	52.0	99	−11	41.62	9.70	25.7	120	147	75	144
1921	55.6	101	−10	45.45	10.67	22.4	122	145	93	127
1922	54.1	100	−15	41.57	8.19	25.8	117	164	68	133
1923	52.7	102	−20	46.03	12.42	23.9	125	161	73	131
1924	50.5	104	−16	47.84	10.88	36.1	129	154	79	133
1925	53.2	104	−27	41.20	13.08	31.1	124	147	85	133
1926	51.6	107	−23	49.60	15.36	49.4	139	126	81	158
1927	53.8	100	−14	48.90	12.40	26.6	138	138	77	150
1928	52.3	103	−14	43.40	11.69	45.8	134	136	82	148
1929	52.7	104	−19	46.70	11.14	44.5	132	142	77	146
1930	53.3	112	−21	25.20	7.02	34.2	107	164	79	122
1931	54.7	108	−10	41.99	10.74	18.5	132	146	82	137
1891-1931	52.8	112	−37	42.73	15.70	34.5	120	146	94	125

CLIMATOLOGICAL DATA FOR THE YEAR 1931

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy	
PANHANDLE DIVISION																				
Bayard	Grant	2,375	29	50.8	92	July 1	−5	Jan. 22	29	47.46	6.74	May	1.80	Jan.	....	133	181	85	99	w.
Brandywine	Pendleton	1,586	16	52.2	95	June 26†	−1	Jan. 2	15	29.40	5.10	Aug.	0.55	Nov.	....	93	209	13	143	sw.
Harpers Ferry	Jefferson	244	....	....	....	....	....	....	42	31.01	5.71	July	0.40	Nov.	1.0	93	....	....	....	....
Kearneysville	Jefferson	548	1	56.2	98	June 20	10	Jan 2	1	33.81	5.65	July	0.56	Nov.	....	103	134	142	89	w.
Martinsburg	Berkeley	435	39	56.3	102	June 20	10	Jan. 16	39	34.75	5.11	Aug.	0.62	Nov.	2.1	118	248	92	25	w.
Moorefield	Hardy	900	35	56.8	102	June 20	9	Jan. 16	35	30.55	7.30	Aug.	0.25	Nov.	1.0	85	322	8	35	....
Piedmont	Mineral	1,053	15	53.9	99	July 1	10	Jan. 22	15	34.88	7.73	May	0.76	Nov.	5.0	96	123	112	130	nw.
Romney	Hampshire	824	34	55.2	99	Sept. 12	2	Jan. 2	34	37.01	6.56	July	0.32	Nov.	....	92	....	....	....	....
Stony River Dam	Grant	3,300	....	....	....	....	....	....	11	35.60	6.73	May	0.98	Nov.	61.0	132	86	78	201	w.
Upper Tract	Pendleton	1,230	32	52.4	90	June 20	3	Ja. 2	32	....	....	....	....	....	....	....	....	....	....	....
Wardensville	Hardy	1,200	4	54.5	100	July 1	2	Jan. 2	4	30.90	5.82	July	0.26	Nov.	5.7	108	....	....	....	....
NORTHERN DIVISION																				
Aberdeen	Upshur	1,060	7	....	....	....	....	....	7	42.85	6.93	Aug.	1.45	Jan.	14.5	139	110	130	125	w.
Alma (near)	Tyler	800	....	....	....	....	....	....	5	42.66	6.99	Aug.	0.82	Jan.	6.0	149	125	102	138	....
Alpena	Randolph	2,571	2	48.9	94	July 2	−7	Jan. 16	2	54.11	8.05	July	1.90	Oct.	88.0	154	102	159	104	w.
Benson	Harrison	1,080	8	54.2	100	July 2	−1	Jan. 2	8	43.24	6.52	Aug.	1.17	Jan.	7.0	135	127	161	77	....
Bens Run	Pleasants	622	30	57.4	105	July 2	10	Jan. 2	30	42.99	6.15	Aug.	1.01	Jan.	....	115	167	95	103ᵃ	....
Brownsville	Lewis	1,032	7	54.2	98	July 2	−2	Jan. 2	7	40.69	5.96	Aug.	1.44	Jan.	7.0	140	164	71	130	....
Bruceton Mills	Preston	1,549	....	....	....	....	....	....	20	....	..	....	....	....	20.2	....	....	....	....	sw.
Buckhannon	Upshur	1,411	35	54.1	92	July 2	0	Jan. 2	35	46.92	7.07	Aug.	1.25	Jan.	11.2	124	181	57	127ᵇ	....
Cairo	Ritchie	680	31	55.3	99	July 2	2	Jan 2	31	45.62	7.34	Aug.	0.95	Jan.	1.4	128	....	....	....	....
Cheat Bridge	Randolph	3,558	....	....	....	....	....	....	6	....	10.65	Aug.	....	....	....	....	....	....	....	....
Clarksburg	Harrison	1,015	9	54.4	99	July 1	−3	Jan. 2	9	42.77	8.48	Aug.	1.00	Jan.	7.5	153	113	101	151	sw.
Crawford	Lewis	1,107	....	....	....	....	....	....	8	45.16	6.95	Aug	1.25	Jan.	18.2	157	132	118	115	w.
Creston	Wirt	640	30	55.5	101	July 16	1	Jan. 2	30	35.77	6.60	Aug.	1.09	Jan.	13.6	114	141	37	187	....
Dam 10 Mon. R.	Marion	826	....	....	....	....	....	....	15	45.02	7.38	May	0.88	Jan.	....	141	....	....	....	....
Dam 12 O. R.	Ohio	660	....	....	....	....	....	....	15	34.65	4.78	Apr.	0.94	Jan.	....	126	....	....	....	....
Dam 13 O. R.	Ohio	655	....	....	....	....	....	....	15	36.09	4.59	Apr	0.74	Jan.	...	139	....	....	....	....
Dam 15 Mon. R.	Monongalia	882	....	....	....	....	....	....	9	42.86	6.56	Aug	0.98	Jan.	....	156	....	....	....	....
Davis	Tucker	3,093		....	....	....	....	....	21	49.03	7.84	May	2.01	Mar.	....	159	....	....	....	....
Elizabeth	Wirt	615	....	....	....	....	....	....	6	45.48	8.08	Aug.	1.13	Jan.	7.5	107	....	....	....	....
Elkins	Randolph	1,947	31	51.9	93	July 2	−7	Jan. 2	31	43.99	7.90	May	1.36	Jan.	31.7	173	68	108	189	w.
Fairmont	Marion	883	26	56.1	102	July 2	8	Jan. 2	39	42.05	6.40	Aug.	1.41	Jan.	16.3	147	....	....	....	w.
Glenville	Gilmer	738	38	57.9	103	July 2	0	Jan. 2	44	41.32	7.09	Aug.	1.39	Oct	9.1	147	152	95	117	w.
Grafton	Taylor	1,000	39	55.4	100	July 2	3	Jan. 2	39	....	7.26	Aug.	....	....	....	....	171	13	181ᵇ	....
Horner	Lewis	1,044	....	....	....	....	....	....	8	43.97	6.27	Aug.	1.85	Jan.	....	117	....	....	....	....
Horton	Randolph	2,840	....	....	....	....	....	....	6	47.03	7.18	June	1.51	Nov.	73.8	147	113	40	212	w.
Janelew (near)	Lewis	1,020	8	56.0	99	July 2	0	Jan. 2	8	41.61	7.17	May	1.25	Jan	2.7	92	164	80	121	sw.
Lost Creek	Harrison	1,026	34	54.1	96	June 20†	−3	Jan 22	34	42.24	6.83	Aug.	1.28	Oct.	12.2	125	148	68	149	w.
Mannington	Marion	985	29	55.6	95	July 2†	−1	Jan. 2	29	44.58	6.18	Sept	1.38	Jan.	22.2	177	124	97	144	w.
Morgantown	Monongalia	1,250	39	54.2	96	July 2	7	Jan 22†	57	....	7.35	May	....	....	7.0	....	....	....	....	sw.
New Cumberland	Hancock	671	34	53.6	99	July 1	8	Jan. 22	34	37.52	6.53	Aug.	1.16	Oct.	8.8	156	105	89	171	s.
New Martinsville	Wetzel	634	38	55.3	102	July 2	9	Jan. 2	38	44.39	7.46	Aug	0.70	Jan.	5.5	111	134	83	148	s.
Parkersburg	Wood	638	43	56.7	99	July 1	14	Jan. 2	43	38.01	4.82	May	0.91	Jan.	9.6	150	98	78	189	se.
Parsons	Tucker	1,649	32	....	98	June 20†	−6	Jan. 2	32	....	6.95	May	....	....	....	....	....	....	....	....
Parsons (No. 2)	Tucker	1,649	....	....	....	....	....	....	5	45.12	7.00	May	1.20	Jan.	18.0	166	145	101	119	....
Philippi	Barbour	1,550	35	....	....	....	....	....	38	45.50	6.65	May	1.54	Oct.	14.4	136	....	....	....	....
Pickens	Randolph	2,697	29	51.4	92	July 2	−1	Jan. 16	41	69.32	10.63	Aug.	2.33	Nov.	99.0	151	....	....	....	w.
Roanoke	Lewis	1,050	....	....	....	....	....	....	8	39.63	6.70	Aug	1.28	Oct	14.0	152	172	47	146	....
Rowlesburg	Preston	1,375	....	....	....	....	....	....	46	49.65	6.70	Sept.	1.44	Jan.	....	162	....	....	....	....
Saint Marys	Pleasants	577	....	....	....	....	....	....	22	39.00	5.06	June	0.93	July	7.5	154	....	....	....	....
Terra Alta	Preston	2,559	32	49.2	91	July 2	−4	Jan. 22	32	50.80	7.70	May	1.44	Jan.	37.4	178	59	126	180	nw.
Thomas	Tucker	1,112	....	....	....	....	....	....	3	47.83	6.58	May	1.57	Jan.	54.9	165	....	....	....	....
Valley Chapel	Lewis	1,011	8	55.7	97	July 2†	3	Jan. 22	8	44.11	8.00	Aug.	1.20	Oct.	7.0	125	168	86	111	w.
Vandalia	Lewis	1,120	9	....	....	....	....	....	9	42.99	6.33	Aug.	1.05	Jan.	....	112	....	....	....	....
Wellsburg	Brooke	668	31	54.0	104	July 2	5	Feb. 11	39	38.69	6.05	Aug.	0.84	Jan.	7.5	115	150	85	130	w.
West Milford	Harrison	979	....	....	....	....	....	....	5	44.03	6.69	May	1.05	Jan.		121	....	....	....	....
Weston	Lewis	1,026	36	55.7	100	July 1	1	Jan. 1	42	42.47	7.21	Aug.	1.58	Jan.	....	159	87	169	109	....
Wheeling	Ohio	645	45	54.1	105	July 1†	6	Jan. 22†	47	36.68	5.02	Sept.	0.77	Jan	11.3	136	....	....	....	sw.
Woodlands	Marshall	637	....	....	....	....	....	....	5	43.78	8.80	Aug.	0.87	Jan.	10.7	146	131	90	144	sw.
SOUTHERN DIVISION																				
Arbovale	Pocahontas	2,734	....	....	....	....	....	....	7	38.56	7.08	Aug.	1.11	Oct.	44.3	138	150	97	118	w.
Bancroft	Putnam	574	28	55.9	99	July 2	9	Jan. 2	28	41.34	6.61	Aug.	1.15	Jan.	6.3	129	187	0	178	ne.
Beckley	Raleigh	2,440	30	55.6	94	July 2	4	Jan. 16	30	40.80	5.98	Aug.	0.96	Jan.	11.1	130	134	120	111	....
Bluefield	Mercer	2,563	36	55.0	93	July 1	10	Jan 16	36	41.10	9.52	July	0.94	Oct.	22.7	130	....	....	....	....
Camden-on Gauley	Webster	2,029	....	....	....	....	....	....	14	....	9.96	Aug.	1.61	Nov.	....	....	....	....	....	....
Charleston	Kanawha	600	28	59.0	108	July 3	9	Jan. 16	46	44.41	10.74	July	1.22	Oct.	....	129	174	0	191ᵇ	....
Clay	Clay	706	....	....	....	....	....	....	15	45.85	7.36	Aug.	1.27	Oct	14.1	142	....	....	....	....
Dam 6 G. K.	Kanawha	598	....	....	....	....	....	....	16	58.31	7.56	July	1.14	Nov.	....	131	....	....	....	....
Dam 19 O. R.	Wood	600	....	....	....	....	....	....	14	43.10	7.54	Aug.	1.13	Jan.	..	112	....	..	....	....
Dam 20 O. R.	Wood	600	....	....	....	....	....	....	14	43.14	8.03	Sept.	1.22	Jan.	....	140	....	....	....	....
Dam 25 O. R.	Mason	565	....	....	....	....	....	....	5	37.24	6.31	Apr	1.03	Jan.	....	119	....	....	....	....
Dam 26 O. R.	Mason	564	....	....	....	....	....	....	15	35.58	5.28	Apr.	0.95	Jan.	....	152	....	....	....	....
Gary	McDowell	1,426	13	55.4	96	July 2	4	Jan. 1	14	36.81	5.26	July	1.11	Oct.	5.8	170	....	....	....	....
Hinton	Summers	1,431	36	56.5	100	June 20†	0	Jan. 2	36	37.57	6.15	July	0.61	Oct.	....	140	197	51	117	....
Huntington	Cabell	538	36	59.7	101	July 2	13	Jan. 2	37	36.65	5.43	July	0.76	Jan.	12.0	132	112	107	146	sw.
Kanawha Falls	Fayette	618	....	....	....	....	....	....	14	46.51	10.21	Aug.	1.44	Oct.	....	127	....	....	....	....
Kayford	Kanawha	1,335	....	....	....	....	....	....	14	49.63	7.61	Aug.	1.47	Nov.	25.0	153	....	....	....	....
Kermit	Mingo	579	....	....	....	....	....	....	6	42.82	9.82	July	1.00	Oct.	7.7	111	....	....	....	....
Kingston	Fayette	1,481	....	....	....	....	....	....	2	50.79	9.09	Aug.	1.55	Oct.	21.0	89	....	....	....	....
Logan	Logan	700	25	....	....	....	....	....	27	39.74	5.57	Aug.	1.26	Jan.	6.3	114	....	....	....	....
Marlinton	Pocahontas	2,131	32	48.7	94	July 18	−10	Jan. 2	32	43.07	6.06	May†	1.24	Nov.	27.5	122	72	216	77	sw.
Point Pleasant	Mason	595	38	57.6	103	July 16	0	Jan. 22	41	40.57	7.00	July	1.14	Jan.	4.5	137	136	94	135	sw.
Rainelle	Greenbrier	2,424	2	51.2	91	June 20†	−10	Jan. 2	2	52.15	9.40	Aug.	1.25	Nov.	35.0	158	196	30	139	....
Ravenswood (Dam 22)	Jackson	584	8	57.4	101	July 2	10	Jan. 2	16	38.93	6.04	Aug.	0.97	Jan.	....	135	177ᵃ	0	228	nw
Richwood	Nicholas	2,193	2	52.4	93	June 19	1	Jan. 15	2	51.54	7.88	Aug.	1.87	Jan.	34.2	151	150	67	148	se.
Robertsburg	Putnam	570	31	56.1	101	July 2	8	Jan. 2†	31	34.49	5.10	Aug.	1.02	Jan.	8.0	131	178	0	187	....
Ryan	Roane	700	28	53.8	98	July 1†	0	Jan. 2	28	44.33	6.86	July	1.33	Oct.	21.5	148	136	96	133	....
Sharples	Logan	889	....	....	....	....	....	....	11	46.56	8.50	Aug.	1.56	June	....	81	....	....	....	....
Spencer	Roane	784	26	56.6	101	July 16	7	Jan. 2	33	39.93	6.08	Aug.	1.42	Oct.	17.2	146	114	112	139	....
Sutton	Braxton	850	27	56.0	98	July 2†	−1	Jan. 2	27	50.33	8.25	Aug.	1.25	Oct	35.0	139	220	0	145	....
Union	Monroe	2,250	27	53.9	95	July 1†	2	Jan. 2	27	34.16	5.56	July	0.58	Oct.	7.6	85	....	....	....	....
Wayne	Wayne	598	....	....	....	....	....	....	6	41.20	9.01	Aug.	1.07	Jan.	....	124	....	....	....	....
White Sulphur Springs	Greenbrier	1,914	21	52.3	97	July 29	−4	Jan. 1	21	33.55	5.35	May	0.95	Jan.	....	105	....	....	....	....
Williamson	Mingo	660	31	59.2	104	June 20	14	Jan. 2	31	42.49	6.47	July	1.26	June	5.2	140	140	102	123	se.
State averages and extremes		....	....	54.7	108	July 3	−10	Jan. 2	....	41.99	10.74	July	0.25	Nov.	18.5	132	146	82	137	w.

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[a] 1 day interpolated from nearby stations. [b] 2 days, etc.

† And other dates

Monthly and Annual Mean Temperatures for the Year 1931, with Departures from the Normal

Stations	January Temperature	January Departure	February Temperature	February Departure	March Temperature	March Departure	April Temperature	April Departure	May Temperature	May Departure	June Temperature	June Departure	July Temperature	July Departure	August Temperature	August Departure	September Temperature	September Departure	October Temperature	October Departure	November Temperature	November Departure	December Temperature	December Departure	Annual Temperature	Annual Departure
PANHANDLE DIVISION																										
Bayard	29.6	+1.2	31.9	+2.8	32.2	−6.0	45.6	1.3	55.6	−0.8	64.0	+0.5	70.8	+3.4	66.2	+0.4	64.3	+3.6	62.8	+2.8	47.1	+8.6	39.6	+9.9	50.8	+2.1
Brandywine	32.6	+2.4	34.6	+2.7	34.8	−7.6	47.0	2.8	58.4	0	67.6	+0.7	73.9	+2.8	68.3	1.6	67.7	+3.3	51.1	+1.2	47.0	+6.2	40.2	+6.7	52.2	+1.5
Kearneysville	34.8	...	36.5	...	39.4	...	52.6	...	65.8	...	71.0	...	77.0	...	73.7	...	72.6	...	59.1	...	52.0	...	41.8	...	56.2	
Martinsburg	[a]34.0	+3.4	[a]35.9	+1.7	[a]39.0	−2.8	[a]52.4	+0.8	[a]65.0	+0.2	[a]72.0	+1.8	[a]80.6	+5.1	[a]74.7	+1.8	[a]72.4	+3.1	[a]58.0	+3.5	[a]51.2	+8.1	[a]42.2	+10.4	56.3	+3.4
Moorefield	37.0	+4.5	35.4	+5.4	[a]40.1	−4.6	53.3	+0.4	64.0	+0.8	71.4	+1.5	78.8	+4.3	73.7	+0.3	72.8	+5.1	58.7	+3.1	53.1	+9.1	43.8	+9.6	56.8	+3.3
Piedmont	33.6	+3.6	31.3	+0.9	37.0	−4.9	50.0	−0.6	59.6	−0.4	68.7	+0.7	76.4	+4.1	72.2	+1.9	70.0	+1.7	55.9	+2.6	50.1	+8.2	39.5	+7.6	53.9	+2.4
Romney	[a]33.6	+2.5	[a]35.6	+1.9	[a]36.7	−6.0	51.0	−0.8	[b]62.1	−0.8	71.4	+1.6	[c]77.6	+2.8	[c]72.6	0	[c]71.6	+1.9	[a]57.1	+2.5	[a]50.4	+7.4	[a]41.8	+8.8	55.2	+2.1
Upper Tract	33.9	+1.5	[c]35.0	+1.9	[b]36.4	−6.4	[f]49.0	−2.0	[c]59.8	−0.6	[c]65.4	+2.7	[d]72.9	+1.1	[c]67.6	−2.6	[d]65.8	+0.5	51.6	−2.9	[f]49.8	+6.0	[c]42.2	+8.5	52.4	+0.7
Wardensville	[b]33.8	...	[b]35.8	...	[b]37.5	...	[c]50.4	...	[d]61.0	...	70.3		[b]75.8	...	[a]71.3	...	[a]69.4	...	[a]57.6	...	50.0	...	[c]41.0	...	51.5	...
NORTHERN DIVISION																										
Alpena	28.2	...	31.9	...	31.2	...	44.4	...	54.6	...	62.8	...	69.5	...	64.4	...	62.7	...	51.6	...	47.0	...	38.4	...	48.9	...
Benson	33.8	...	35.8	...	37.5	...	50.6		60.6	...	69.0		75.5	...	71.4	...	68.9	...	56.4	...	50.2	...	41.8	...	54.2	...
Bens Run	35.2	+3.1	37.7	+5.9	39.0	−4.8	53.0	+0.2	64.6	+1.7	74.0	+3.4	80.8	+5.9	75.5	+1.9	73.3	+5.1	59.8	+3.3	52.6	+8.8	44.0	+9.6	57.1	+3.7
Brownsville	33.6	...	35.6	...	37.1	...	50.4	...	60.4	...	69.5	...	76.0	...	70.8	...	69.2	...	56.0	...	50.5	...	40.8	...	54.2	...
Buckhannon	33.7	+2.0	35.4	+3.9	37.8	−4.3	50.6	−0.6	59.6	−1.6	68.0	−0.4	74.4	+2.7	69.6	0.	67.8	+3.4	55.5	+1.8	51.8	+9.9	45.2	+11.4	54.1	+2.0
Cairo	34.6	−0.3	36.1	+3.6	[b]39.3	−5.7	[a]51.0	3.3	60.8	−2.5	70.6	0.4	77.1	+2.9	72.0	−0.5	[c]69.2	+1.1	57.6	+1.9	52.6	+7.2	42.8	+8.4	55.3	+1.0
Clarksburg	32.0	...	34.6	...	36.6		50.4	...	60.8	...	70.8	...	78.3	...	72.2	...	70.2	...	56.4	...	50.2	...	40.4	...	54.4	...
Creston	35.0	+1.6	36.9	+4.1	38.9	−5.5	51.8	1.7	66.8	−2.4	71.0	+0.4	77.5	+2.8	72.0	−1.2	71.0	+3.3	56.9	+1.2	52.0	+8.6	42.2	+7.1	55.5	+1.5
Elkins	30.6	+0.2	34.2	+2.6	33.9	−6.1	47.5	1.5	58.9	−1.2	66.4	−0.5	73.0	+2.7	68.2	−0.9	66.5	+3.3	53.8	+1.5	49.8	+9.5	40.6	+7.9	51.9	+1.5
Fairmont	[a]34.0	+2.1	35.6	+3.5	36.9	−5.0	51.8	0	62.4	+0.5	72.6	+2.5	79.8	+5.8	74.4	+1.9	72.2	+5.0	59.2	+4.3	[b]53.0	+10.4	41.0	+7.4	56.1	+3.2
Glenville	35.8	+2.7	38.2	+2.9	40.0	−4.9	53.6	0.5	63.5	0	73.0	+2.0	79.5	+4.3	74.5	+0.6	73.8	+5.5	60.0	+4.0	57.0	+13.6	[a]45.4	+9.8	57.9	+3.3
Grafton(near)	34.5	+2.1	37.0	+5.4	38.4	−3.3	51.3	−0.3	61.0	−0.5	68.6	−0.5	77.2	+4.7	71.8	−0.4	70.4	+4.6	58.0	+2.9	53.0	+10.2	43.8	+10.0	55.1	+2.9
Janelew	35.8	...	37.2	...	39.2	...	51.0	...	62.0	...	71.5	...	77.8	...	72.6	...	71.2	...	58.5	...	52.4	...	43.2	...	56.0	...
Lost Creek	34.2	+1.5	36.0	+5.0	38.1	−4.7	50.4	−0.2	59.6	−0.8	69.2	+1.4	75.8	+3.7	70.2	−0.5	68.6	+2.5	53.8	0	51.9	+9.5	41.8	+7.6	54.1	+2.1
Mannington	33.5	+2.3	34.8	+3.8	37.4	−5.4	49.5	−1.7	59.3	−1.1	68.2	+0.3	74.7	+3.0	70.5	+0.3	67.6	+2.8	55.2	+1.6	50.4	+9.7	41.6	+8.3	53.6	+2.0
Morgantown	34.0	+2.1	[a]35.4	+4.1	35.4	−7.0	50.6	−1.1	61.6	−0.6	69.1	0.2	75.6	+2.3	71.2	−6.8	[f]72.7	+5.3	51.0	−4.2	51.4	+7.8	42.2	+8.1	54.2	+1.3
New Cumberland	[a]31.4	+3.2	[a]32.2	+4.5	[a]35.8	−3.9	[a]49.2	−0.1	[a]59.4	−0.0	[a]69.6	−1.6	[a]77.0	+4.2	[a]72.8	+2.1	[a]70.4	+5.1	[a]56.8	+2.9	[a]49.4	+8.0	[a]39.6	+8.2	53.6	+2.7
New Martinsville	35.3	+2.5	36.8	+4.6	39.1	−4.5	51.2	−2.0	60.8	−2.2	70.8	−0.3	79.2	+4.1	74.0	+0.4	73.2	+4.7	69.2	+3.5	52.4	+7.8	42.4	+7.3	56.3	+2.2
Parkersburg	36.0	+3.5	37.8	+3.6	38.8	−4.0	53.1	−0.3	62.1	+1.7	72.5	+1.1	79.6	+4.2	73.8	−0.1	72.4	+5.1	58.4	+2.3	53.2	+9.4	43.1	+7.9	56.7	+2.5
Parsons	31.6	+0.4	36.1	+6.4	34.8	−5.5	49.6	+0.4	59.9	+1.2	69.2	+2.1	75.2	+4.6	[l]70.2	+0.9	69.0	+5.5	...	...	...	...	42.2	+10.1	...	...
Pickens	28.9	−1.9	[a]33.6	+2.8	32.0	−7.5	[a]47.1	−1.1	57.8	−0.3	65.9	+1.0	77.9	+9.5	[c]66.2	0.3	65.2	+3.5	53.4	+1.8	49.5	+9.3	[a]39.0	+8.1	51.4	+2.1
Terra Alta	29.4	+1.6	31.8	+4.0	31.2	−7.2	45.0	−1.9	[a]55.2	−2.3	63.9	−0.8	70.7	+2.5	65.5	−1.6	63.6	+1.8	51.2	+2.0	46.4	+5.8	36.1	+5.7	49.2	+0.8
Valley Chapel	35.0	...	37.5	...	38.0	...	52.4	...	62.0	...	69.8	...	77.2	...	72.2	...	70.0	...	58.6	...	52.4	...	43.2	...	55.7	...
Wellsburg	32.4	+2.7	34.2	+6.7	37.1	−2.9	49.2	−0.4	59.6	−0.5	69.4	+1.5	77.2	+5.0	72.6	+2.4	70.1	+5.5	55.8	+2.4	49.3	+7.7	40.8	+8.9	54.0	+3.2
Weston	34.8	+1.4	36.4	+2.7	37.5	−6.6	51.6	−1.2	60.6	−2.1	71.0	0	78.4	+1.2	73.0	+0.4	72.0	+4.9	58.6	+3.2	52.6	+8.8	42.1	+6.5	55.7	+1.8
Wheeling	31.2	+0.6	33.6	+2.8	[g]34.0	−7.1	49.5	−2.3	61.0	−0.8	71.6	+1.1	78.5	+3.9	[a]73.1	+0.3	71.0	+3.8	58.2	+3.4	[a]49.6	+7.6	[a]37.8	+5.5	54.1	+1.6
SOUTHERN DIVISION																										
Bancroft	35.3	+0.9	36.5	+3.1	[a]38.6	−5.8	52.7	−0.8	62.0	−0.9	[a]71.2	+0.6	78.7	+4.2	72.6	−0.4	[a]71.6	+3.4	[a]59.0	+2.4	[a]51.2	+6.7	[a]41.4	+6.2	55.9	+1.6
Beckley	35.5	+2.3	37.6	+1.3	36.4	−6.5	51.5	+1.4	60.5	+0.5	69.6	−0.3	75.8	+2.6	71.2	−1.0	70.8	+4.7	59.0	+3.3	54.4	+11.5	45.0	+11.3	55.6	+2.8
Bluefield	[e]35.8	+1.3	[e]39.2	+3.8	[e]37.1	−7.2	[l]52.0	−1.2	[f]59.4	−2.5	[d]68.9	+0.1	[c]74.6	+3.1	[e]69.3	−1.2	[e]69.1	+3.0	[d]57.1	+1.4	[g]53.1	+8.4	[c]44.3	+7.8	55.0	+1.4
Charleston	37.4	−0.3	39.8	+5.9	39.2	−8.8	54.6	−1.7	63.4	−2.1	[c]74.8	+1.9	[a]81.0	+4.3	[l]75.9	+0.7	75.9	+5.2	63.6	+4.8	57.4	+9.7	45.2	+5.8	59.0	+2.1
Gary	[e]34.2	0	[a]38.6	+1.1	37.5	−5.8	51.7	−1.9	[e]60.7	−0.3	69.4	+0.4	[a]76.5	+3.9	72.0	+0.2	70.5	+2.0	57.0	+1.5	51.6	+7.0	44.7	+7.7	55.4	+1.3
Hinton	34.6	+0.4	39.1	+5.1	38.3	−6.2	53.2	0	62.4	−1.0	72.6	+2.2	78.4	+4.2	73.4	+1.8	72.8	+5.0	58.4	+1.4	52.5	+8.7	42.5	+7.0	56.5	+2.4
Huntington	39.8	+7.0	41.0	+0.4	42.8	−2.2	56.4	0	65.0	+0.3	75.0	+2.2	80.8	+4.4	75.6	+1.0	75.4	+6.4	61.5	+5.5	56.2	+12.5	46.6	+11.5	59.7	+4.1
Lewisburg	...	...	...	...	...	...	...	...	60.8	+0.2	71.1	+2.9	[c]75.2	+4.3	...	...	...	...	54.9	+1.3	50.8	+9.1	...	...	...	...
Marlinton	27.2	−0.5	30.9	+1.3	31.6	−6.7	44.8	−2.1	55.5	−1.6	65.0	+0.7	70.6	+3.0	65.1	−1.2	65.0	+1.8	49.6	0	44.8	+7.5	35.8	+6.6	48.7	+0.7
Point Pleasant	37.2	+3.6	39.2	+5.6	41.1	−4.5	53.9	−1.0	62.2	−2.6	72.8	+0.4	79.8	+3.5	74.2	−0.6	73.4	+1.0	59.7	+2.5	53.8	+8.5	44.0	+8.5	57.6	+2.3
Rainelle	30.2	...	35.4		33.8		[l]47.8	...	57.0	...	65.4	...	71.8		67.2	...	65.5	...	53.2	...	48.2	...	38.8	...	51.2	...
Ravenswood(Dam 22)	37.0	+3.3	38.4	+0.4	41.0	−3.3	53.8	−0.1	62.7	+1.1	72.4	+2.4	79.6	+5.2	73.8	+1.0	75.1	+4.1	59.6	+4.0	53.2	+8.0	43.8	+6.3	57.4	+2.7
Richwood	30.6	...	[a]31.4	...	[a]33.6	...	[a]48.3	...	[a]58.1	...	[a]67.0	...	73.4	...	68.0	...	67.5	...	55.4	...	50.2	...	42.4	...	52.4	...
Robertsburg	34.2	+0.8	36.6	+3.7	37.8	−6.6	50.6	−2.5	60.4	−2.9	71.4	+0.3	78.6	+3.3	75.0	+1.1	73.4	+5.8	59.0	−2.4	53.3	+9.9	43.2	+8.8	56.1	+2.0
Ryan	32.4	−0.9	35.4	+2.2	36.1	−7.2	49.3	−2.9	57.5	−3.9	67.2	−1.7	76.4	+3.4	71.1	−0.6	70.6	+6.3	56.6	+4.2	52.4	+9.2	40.9	+6.7	53.8	+1.3
Spencer	36.0	+2.4	36.8	+3.2	39.3	−3.7	52.6	−0.1	61.9	−2.3	71.8	+2.2	79.4	+6.0	73.2	+1.0	[a]72.0	+5.7	58.8	+4.0	52.9	+9.1	44.5	+8.2	56.6	+3.0
Sutton	35.3	+1.7	36.4	+1.9	38.4	−6.6	51.8	−1.0	62.3	−1.0	71.3	0	77.6	+2.8	72.4	−0.9	71.3	+2.7	58.6	+2.0	52.7	+8.9	44.1	+9.4	56.0	+1.7
Union	[d]33.4	+0.8	[d]37.6	+4.5	[d]34.0	−9.9	[d]51.3	−0.5	[e]60.2	−0.7	[d]68.4	+0.6	[d]75.1	+3.7	[e]70.0	−0.2	[d]69.2	+3.2	[d]56.6	+2.4	[e]49.8	+7.6	[d]41.6	+8.0	53.9	+1.6
White Sulphur Springs	[a]30.3	−1.6	[a]33.2	−2.1	[a]35.0	−8.5	[a]50.4	−1.2	[a]59.0	−1.6	[a]68.6	+0.6	[a]75.6	+4.2	[a]69.6	−0.8	[a]67.6	+2.3	[a]54.0	+1.7	[a]47.4	+5.4	[a]37.4	+7.1	52.3	+0.5
Williamson	[a]37.8	+1.9	41.5	+5.4	42.0	−5.1	55.2	−0.3	64.9	−0.1	75.4	+2.9	81.6	+5.7	76.0	+1.3	75.3	+5.7	60.4	+2.7	53.4	+7.9	46.5	+9.3	59.2	+3.1

Reference letters indicate number of days missing; [a] one day, [b] two days, etc.

KILLING FROSTS

Station	Last in Spring	First in Autumn	Station	Last in Spring	First in Autumn
Alpena	May 22	Sept. 29	Martinsburg	April 30	Oct. 19
Bancroft	April 28	Nov. 6	Moorefield	May 4	Oct. 13
Bayard	May 22	Sept. 29	Morgantown	May 1	Oct. 30
Bens Run	April 8	Nov. 5	New Cumberland	May 4	Oct. 19
Benson	May 24	Oct. 18	New Martinsville	May 24	Oct. 18
Beckley	April 30	Sept. 29	Parkersburg	April 8	Oct. 19
Bluefield	April 27	Oct. 19	Parsons	May 4	...
Brandywine	May 5	Oct. 18	Piedmont	May 4	Oct. 13
Brownsville	May 24	Oct. 18	Pickens	May 24	Oct. 18
Buckhannon	April 30	Oct. 18	Point Pleasant	May 24	Oct. 18
Cairo	May 24	Oct. 18	Ravenswood	April 8	Oct. 18
Charleston	April 27	Nov. 6	Richwood	April 29	Oct. 18
Clarksburg	May 4	Oct. 18	Robertsburg	April 30	Oct. 18
Creston	May 4	Oct. 18	Romney	May 4	Oct. 13
Elkins	April 30	Oct. 18	Ryan	May 24	Oct. 18
Fairmont	May 4	Oct. 19	Spencer	April 30	Oct. 18
Gary	April 8	Oct. 17	Sutton	April 30	Oct. 18
Glenville	April 30	Oct. 18	Terra Alta	May 24	Sept. 28
Grafton	May 24	Oct. 18	Union	April 27	Sept. 29
Hinton	April 9	Nov. 3	Upper Tract	May 4	Sept. 29
Huntington	Mar 21	Oct. 18	Valley Chapel	May 4	Oct. 18
Janelew	May 24	Oct. 18	Wardensville	May 5	Oct. 10
Kearneysville	April 30	Oct. 13	Wellsburg	May 24	Oct. 13
Lewisburg	...	Sept 30	Weston	May 1	Oct. 18
Lost Creek	May 24	Oct. 18	Wheeling	May 24	Oct. 18
Mannington	May 4	Oct. 18	White Sulphur Spgs	May 9	Oct. 17
Marlinton	May 24	Sept. 29	Williamson	April 7	Nov. 6

TEMPERATURE AND PRECIPITATION DATA FOR 1931

Month	Temperature in degrees Fahrenheit: Mean	Departure	Highest	Lowest	Precipitation in inches: Average	Departure	Average snowfall	Number of rainy days	Sky: Clear	Pt. Cloudy	Cloudy	Prevailing direction of the wind
January	33.7	+1.7	71	−10	1.37	−2.49	3.6	8	10	7	14	w.
February	35.8	+3.6	68	5	2.57	−0.56	1.6	9	10	5	13	w.
March	37.4	−5.3	68	10	3.52	−0.26	9.0	16	4	6	21	w.
April	50.7	−1.0	88	18	4.12	+0.48	3.3	10	14	5	11	w.
May	60.6	−1.0	98	23	5.09	+1.04	T.	15	12	8	11	w.
June	69.8	+1.0	105	33	3.24	−1.38	...	9	16	9	5	w.
July	76.8	+4.0	108	42	4.78	+0.12	...	10	17	9	5	sw.
August	71.6	+0.2	102	39	6.38	+2.22	...	14	11	9	11	w.
September	70.0	+4.0	102	29	3.91	+0.87	...	10	16	8	6	w.
October	57.0	+2.7	98	18	1.66	−1.47	T.	8	16	6	9	w.
November	51.3	+8.6	88	11	1.81	−1.08	0.2	9	13	6	11	w.
December	42.0	+8.2	75	8	3.91	+0.42	0.3	13	8	4	19	w.
Annual	54.7	+1.9	108	−10	41.99	−0.58	18.5	132	146	82	137	w.

Monthly and Annual Precipitation for the Year 1931, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
PANHANDLE DIVISION																										
Bayard	1.80	-3.40	2.15	-1.79	3.26	-1.38	4.37	+0.07	6.74	+2.02	2.97	-2.75	4.41	-0.62	6.36	+1.32	6.23	+2.43	2.44	-1.47	2.27	-1.04	4.46	+0.10	47.46	-6.51
Brandywine	0.80	-1.27	1.30	-0.49	2.55	+0.08	3.10	-0.05	3.55	+0.95	3.90	+0.51	3.95	+0.60	5.10	+1.97	2.55	+0.12	0.70	-1.53	0.55	-1.36	1.35	-0.42	29.40	-0.89
Harpers Ferry	1.09	-1.51	1.15	-1.26	4.07	+1.13	3.72	+0.58	2.81	-0.81	4.32	+0.65	5.71	+2.32	2.89	-0.90	1.62	-1.13	1.51	-1.53	0.40	-1.65	1.72	-0.79	31.01	-4.90
Kearneysville	1.20	......	1.55	......	4.26	......	3.58	......	5.51	......	2.51	......	5.65		1.62	......	3.99	......	1.11	......	0.56	......	2.27	......	33.81	......
Martinsburg	1.18	-1.35	1.75	-0.76	4.61	+1.43	3.46	+0.27	5.08	+1.36	2.46	-1.82	3.94	+0.31	5.11	+1.34	3.21	+0.36	1.01	-1.89	0.62	-1.65	2.32	-0.38	34.75	-2.78
Moorefield	0.65	-1.69	1.54	-0.74	2.24	-0.35	3.10	+0.10	4.18	+0.63	1.94	-1.91	4.54	+1.28	7.30	+4.25	1.82	-0.75	0.93	-1.34	0.25	-1.38	2.66	-0.04	30.55	-1.94
Piedmont	1.46	-1.00	1.43	-1.05	2.96	+0.09	3.67	+0.07	7.73	+4.63	1.12	-2.52	3.51	+0.09	4.57	+1.18	3.86	+1.60	0.79	-1.97	0.76	-1.31	3.02	+0.75	34.88	+0.56
Romney	0.84	-1.67	1.72	-0.45	2.94	+0.13	3.88	+0.92	6.15	+2.65	2.31	-1.62	6.56	+3.16	4.83	+1.16	3.69	+0.94	1.07	-1.49	0.32	-1.54	2.70	+0.40	37.01	+2.59
Stony River Dam	2.35	-0.44	2.08	-0.75	2.56	-0.57	2.65	-1.33	6.73	+2.33	2.50	-1.76	3.13	-1.06	4.74	+0.15	3.24	+0.33	1.30	-1.80	0.98	-2.11	3.34	0	35.60	-7.01
Upper Tract	0.65	-1.52	......	......	1.90	-0.22	......	......	......	......	2.55	-1.22	3.86	+0.47	6.32	+3.13	......	......	......	......	......	......	......	......	......	......
Wardensville	0.70	......	1.08	......	2.96	......	3.17	......	3.67	......	3.16	......	5.82	......	5.13	......	1.90	......	0.96	......	0.26	......	2.09	......	30.90	......
NORTHERN DIVISION																										
Aberdeen	1.45	......	2.71	......	3.05	......	4.22	......	5.74	......	3.72	......	3.93	......	6.93	......	3.37	......	1.66	......	2.23	......	3.84	......	42.85	......
Alma	0.82	......	2.76	......	2.34	......	4.77	......	4.58	......	3.20	......	3.12	......	6.99	......	5.10	......	2.24	......	2.72	......	4.02	......	42.66	......
Alpena	2.20	......	2.82	......	4.60	......	3.40	......	6.28	......	6.28	......	8.05	......	6.10	......	5.93	......	1.90	......	1.93	......	4.62	......	54.11	......
Benson	1.17	......	2.79		2.75	......	4.06		5.66	......	4.33	......	4.48	......	6.52	......	2.97	......	1.80	......	1.95		4.76		43.24	......
Bens Run	1.01	-3.40	2.97	-0.22	3.66	-0.48	5.10	+1.02	4.31	-0.22	3.98	-0.32	1.11	-3.51	6.15	+1.89	4.81	+2.27	2.49	-0.55	2.64	-0.26	4.76	+1.14	42.99	-2.64
Brownsville	1.44	......	2.50	......	3.21	......	3.53	......	5.61	......	3.42	......	4.05	......	5.96	......	3.09	......	1.89	......	1.84	......	4.15	......	40.69	......
Bruceton Mills	2.13	-3.13	2.59	-0.77	4.39	+0.98	4.61	+0.77	7.44	+3.18	3.59	-1.66	6.19	+1.16	......	......	......	......	......	......	2.60	-0.58	4.94	+1.75	......	......
Buckhannon	1.25	-3.26	2.92	-0.95	3.84	-0.68	3.20	-1.06	5.83	+1.23	3.99	-1.06	6.77	+1.72	7.07	+3.02	3.84	+0.69	1.59	-1.76	2.33	-1.16	4.29	+0.21	46.92	-3.06
Cairo	0.95	-3.60	2.73	-0.75	3.08	-1.07	4.87	+1.19	4.18	+0.66	5.01	+0.15	4.50	-0.14	7.34	+3.53	4.31	+1.25	1.51	-1.45	2.76	-0.08	4.38	+0.64	45.62	+0.33
Cheat Bridge	......	......	......	......	......	......	4.15	......	7.17	......	7.01	......	5.85	......	10.65	......	6.28	......	2.37	......	1.67	......	4.08	......	......	......
Clarksburg	1.00	......	2.21	......	2.46	......	3.63	......	5.36	......	2.48		5.49	......	8.48	......	4.73	......	1.23	......	1.90	......	3.80	......	42.77	......
Crawford	1.25	......	2.69	......	3.81	......	3.58	......	5.60	......	4.27	......	5.86	......	6.95	......	3.66	......	1.82	......	1.76	......	3.91	......	45.16	......
Creston	1.09	-2.76	2.42	-0.47	3.64	-0.38	3.78	-0.25	3.05	-0.86	3.43	-0.84	1.88	-2.31	6.60	+2.77	3.40	+0.79	1.15	-2.05	1.41	-1.38	3.92	+0.49	35.77	-7.25
Dam 10, Mon. R.	0.88	......	2.47	......	2.41	......	4.14	......	7.38	......	3.09	......	4.03	......	5.47	......	5.55	......	2.05	......	2.29	......	5.26	......	45.02	......
Dam 12, O. R.	0.94	-2.20	2.44	+0.01	2.15	-1.25	4.78	+1.62	3.14	-0.20	2.18	-1.72	3.63	-0.01	4.16	+0.17	4.61	+1.26	1.41	-1.69	1.96	-0.98	3.25	+0.31	34.65	-4.74
Dam 13, O. R.	0.74	-2.54	2.54	+0.09	2.22	-0.90	4.59	+1.44	3.30	-0.22	2.91	-0.70	3.42	-0.57	4.46	+0.51	4.38	+0.85	1.56	-1.42	2.61	-0.20	3.36	+0.51	36.09	-3.15
Dam 15, Mon. R.	0.98	......	2.40	......	2.40	......	3.85	......	5.55		3.60	......	3.51	......	6.56	......	4.81	......	2.09	......	2.18	......	4.93	......	42.86	......
Davis	2.32	-2.87	3.48	-0.86	2.01	-2.44	2.13	-2.34	7.84	+3.27	3.77	-1.64	5.97	+0.76	5.45	+0.52	5.12	+1.24	2.24	-1.86	2.60	-0.72	6.10	+1.15	49.03	-5.79
Elizabeth	1.13	-3.49	3.27	+0.61	2.63	-1.45	4.00	+0.66	4.39	+0.70	4.19	+0.13	6.03	+1.56	8.08	+3.53	3.81	+1.02	1.67	-1.83	1.58	-1.29	4.70	+1.46	45.48	+1.61
Elkins	1.36	-2.42	3.19	+0.11	2.93	-0.87	2.92	-0.70	7.90	+3.85	3.09	-1.97	5.27	-0.11	6.33	+2.47	3.82	+0.67	1.50	-1.41	1.87	-0.91	3.81	+0.35	43.99	-1.61
Fairmont	1.41	-2.54	2.46	-0.67	2.63	-1.51	4.16	+0.82	5.57	+1.67	2.63	-1.79	3.77	-0.68	6.40	+2.67	4.66	+1.83	2.00	-0.93	2.01	-0.87	4.85	+0.97	42.05	-2.97
Glenville	1.43	-2.92	2.90	-0.83	3.66	-0.58	3.63	-0.11	4.43	+0.22	3.35	-1.14	4.03	-1.20	7.09	+3.02	4.21	+0.83	1.39	-1.76	1.45	-1.76	3.75	0	41.32	+6.23
Grafton	......	......	2.44	-0.79	3.79	-0.15	3.87	+0.18	6.66	+2.64	3.17	-1.33	4.79	+0.08	7.26	+3.51	4.06	+1.17	1.94	-1.23	2.43	-0.56	5.85	+2.42	......	......
Horner	1.85	......	2.85	......	3.83	......	3.13	......	5.43	......	4.64	......	4.49	......	6.27	......	3.20	......	2.17	......	2.31	......	3.80	......	43.97	......
Horton	2.35	......	2.00	......	3.93	......	3.40	......	5.38	......	7.18	......	6.23	......	6.13	......	2.73	......	2.55	......	1.51	......	3.64	......	47.03	......
Janelew	1.25	......	2.63	......	2.45	......	3.65	......	7.17	......	3.31	......	3.35	......	7.02	......	3.28	......	1.55	......	2.65	......	3.30	......	41.61	......
Lost Creek	1.29	-2.77	2.76	-0.30	3.01	-1.08	3.86	+0.50	5.29	+1.24	3.59	-0.79	4.92	+0.28	6.83	+2.73	3.13	+0.10	1.28	-1.61	2.09	-0.73	4.19	+0.67	42.24	-1.76
Mannington	1.38	-3.23	2.55	-0.24	3.39	-0.36	4.59	+0.62	5.71	+1.66	3.43	-0.79	2.40	-2.44	5.29	+1.21	6.18	+2.73	2.41	-0.73	2.29	-0.65	4.96	+1.45	44.58	-0.77
Morgantown	0.89	-2.85	2.00	-1.05	2.64	-0.95	3.70	-0.48	7.35	+3.75	4.12	-0.38	4.20	-0.60	5.79	+1.67	6.16	+3.04	......	......	2.48	-0.43	7.05	+4.01	......	......
New Cumberland	1.28	-1.54	2.51	+0.03	2.57	-0.68	3.43	+0.12	3.71	+0.30	4.07	-0.53	2.55	-1.55	6.53	+3.17	4.31	+1.35	1.16	-1.62	2.11	-0.17	3.29	+0.54	37.52	-0.55
New Martinsville	0.70	-3.06	2.75	-0.23	2.65	-1.06	5.10	+1.51	4.30	-0.44	3.40	-0.74	4.05	-0.63	7.40	+3.83	5.05	+2.19	2.00	-0.97	2.96	+0.08	4.03	+0.52	44.39	+1.06
Parkersburg	0.91	-2.67	2.97	-0.16	2.60	-0.89	4.39	+1.20	4.82	+1.44	4.18	+0.18	2.62	-1.67	4.70	+1.19	3.27	-0.87	2.04	-0.44	1.97	-0.60	3.54	+0.51	38.01	-1.40
Parsons	3.79	-0.48	3.42	0	4.34	+0.28	2.55	-0.90	6.95	+3.05	2.78	-2.32	5.73	+0.56	6.85	+2.87	4.10	+0.83	......	......	......	......	......	......	......	......
Parsons (No. 2)	1.20	-3.07	2.81	-0.61	2.96	-1.10	3.57	-0.28	7.00	+3.10	2.91	-2.19	5.65	+0.58	6.87	+2.89	3.17	0	2.22	-1.07	2.52	-0.44	4.24	+0.21	45.12	-1.98
Philippi	2.03	-2.30	3.34	-0.03	3.97	-0.23	3.91	-0.02	6.65	+2.37	3.61	-2.18	4.42	-0.61	6.62	+2.52	2.24	-1.18	1.56	-1.51	2.73	-0.32	4.42	+0.61	45.50	-2.88
Pickens	4.09	-2.46	4.68	-0.64	7.95	+2.03	4.38	-0.88	8.70	+3.22	5.53	-0.63	7.20	+0.88	10.63	+5.24	5.42	+1.27	2.72	-1.72	2.33	-1.92	5.69	+0.21	69.32	+4.60
Roanoke	1.45	......	2.64	......	2.85	......	3.53	......	4.76		3.38	......	4.40	......	6.76		2.97	......	1.28	......	1.36	......	4.25	......	39.63	......
Rowlesburg	1.44	-3.06	2.99	-0.42	3.20	-1.10	4.26	+0.18	6.16	+1.67	3.85	-1.15	4.77	-0.20	6.57	+2.42	6.70	+3.54	2.02	-1.18	2.51	-0.73	5.18	+1.19	49.65	+1.16
St. Marys	1.05	-3.51	2.81	-0.39	3.32	-0.30	4.54	+0.64	3.98	+0.12	5.06	+1.01	0.93	-3.35	4.67	+0.09	4.11	+1.23	1.94	-1.26	2.38	-0.63	4.21	+0.69	39.00	-5.66
Terra Alta	1.44	-3.86	2.71	-1.06	3.41	-1.38	3.76	-0.43	7.70	+3.21	3.97	-2.32	4.10	-1.19	6.58	+1.53	6.17	+2.48	3.03	-0.90	2.49	-0.74	5.44	+0.68	50.80	-3.98
Thomas	1.57	......	3.21	......	3.18	......	3.61	......	6.58	......	4.31	......	5.00	......	5.79	......	4.68	......	2.47	......	2.49	......	4.94	......	47.83	......
Valley Chapel	1.33	......	2.64	......	3.43	......	4.08	......	5.65		3.19	......	4.61	......	8.00	......	3.45	......	1.20		2.31	......	4.22	......	44.11	......
Vandalia	1.05	......	2.81	......	3.00	......	3.87	......	5.21	......	4.07	......	5.12	......	6.33	......	3.53	......	1.80	......	1.86	......	4.34	......	42.99	......
Wellsburg	0.84	-2.56	2.47	-0.10	2.07	-1.22	4.61	+1.39	5.40	+1.87	3.50	-0.96	2.31	-2.06	6.05	+2.29	4.84	+1.76	1.79	-1.10	1.79	-0.73	2.99	-0.06	38.69	-1.48
West Milford	1.05	......	2.53		2.92	......	3.80	......	6.69	......	2.73	......	6.25	......	6.25	......	4.51	......	1.64	......	1.39	......	4.27	......	44.03	......
Weston	1.58	-2.59	2.93	-0.81	3.33	-1.14	3.28	-0.77	6.21	+1.90	3.30	-1.40	3.35	-1.63	7.21	+3.25	3.76	+0.79	1.75	-1.17	1.67	-1.64	4.10	+0.37	42.47	-4.84
Wheeling	0.77	-2.39	2.40	-0.17	2.26	-0.87	4.61	+1.46	3.25	-0.28	2.73	-1.11	3.86	-0.61	4.07	+0.51	5.02	+2.13	1.70	-0.93	2.74	+0.15	3.27	+0.26	36.68	-1.85
Woodlands	0.87	......	1.85	......	2.44	......	5.32	......	3.80	......	4.13	......	3.20	......	8.80	......	4.43	......	2.82		2.69	......	3.43	......	43.78	......
SOUTHERN DIVISION																										
Arbovale	1.41	......	2.03	......	4.05	......	3.18	......	4.21	......	3.20	......	4.88	......	7.08	......	2.91	......	1.11	......	1.39	......	3.11	......	38.56	......
Bancroft	1.48	-2.92	2.89	-0.02	4.60	+0.66	4.59	+0.76	3.06	-1.08	2.50	-2.13	4.82	+0.65	6.01	+1.63	4.51	+1.58	1.75	-1.30	2.01	-0.67	3.12	-0.41	41.34	-3.25
Beckley	0.96	-2.96	2.45	-0.61	3.27	-0.59	4.04	+0.10	4.30	+0.88	2.68	-1.75	5.52	+1.11	5.98	+2.65	3.19	+0.61	1.77	-1.17	1.39	-1.00	5.25	+2.04	40.80	-0.69
Bluefield	1.27	-1.95	1.76	-1.29	2.80	-0.86	3.99	+0.61	5.63	+1.99	1.13	-3.65	9.52	+5.11	5.86	+1.83	2.03	-0.54	0.94	-2.00	1.64	-0.67	4.53	+1.57	41.10	+0.15
Camden-on-Gauley	1.40	-2.38	2.51	-0.68	......	......	5.55	+2.02	7.97	+2.77	2.91	-2.20	5.64	+0.77	9.96	+4.79	4.31	+1.02	1.50	-1.62	1.01	-2.81	5.04	+0.90	......	......
Charleston	1.24	-2.72	2.65	-0.93	4.24	-0.08	4.04	+0.31	3.10	-0.92	2.26	-2.17	10.74	+6.53	6.22	+1.74	4.16	+1.13	1.22	-1.70	1.71	-1.42	2.83	-0.58	44.41	-0.81
Clay	1.37	-2.28	3.60	+0.29	5.25	+1.42	4.88	+1.54	5.54	+1.43	4.11	-0.05	4.71	+0.36	7.36	+2.73	2.91	-0.50	1.27	-2.02	1.68	-1.49	3.17	-0.65	45.85	+0.78
Dam 6 G. K.	1.29	......	2.77	......	3.51	......	3.60	......	2.78	......	2.05	......	7.56	......	4.54	......	4.87	......	1.25	......	1.14		2.95	......	38.31	......
Dam 19 O. R.	1.13	-2.67	2.59	+0.02	2.53	-1.47	6.24	+2.67	3.83	-0.50	4.05	+0.12	3.72	-0.40	7.54	+3.51	3.66	+0.36	2.26	-1.06	2.47	-0.97	3.08	-0.18	43.10	-0.57
Dam 20 O. R.	1.22	-2.63	2.65	-0.36	2.79	-1.13	5.57	+2.09	4.30	+0.48	4.37	+0.49	3.93	+0.25	8.03	+3.73	3.79	+0.91	2.37	-0.97	1.77	-1.49	2.35	-0.96	43.14	+0.41
Dam 25 O. R.	1.03	......	1.82	......	2.92	......	6.31	......	3.10	......	2.95	......	4.76	......	5.96	......	1.45	......	1.86	......	2.04	......	3.64	......	37.24	......
Dam 26 O. R.	0.95	-2.80	2.53	-0.11	2.73	-0.93	5.28	+2.00	2.99	-0.62	1.73	-1.92	5.22	+1.69	3.56	+0.12	3.92	+1.68	1.87	-0.84	2.09	-0.67	2.71	-0.42	35.58	-2.82
Gary	1.23	-2.78	1.91	-1.74	3.45	-0.16	4.52	+1.06	3.45	-0.73	2.68	-2.17	5.26	+1.17	5.07	+0.26	2.50	-0.55	1.11	-2.15	1.15	-1.87	4.48	+1.08	36.81	-8.58
Hinton	1.27	-1.94	2.15	-0.90	3.56	-0.49	3.37	+0.09	4.61	+0.84	1.97	-2.27	6.15	+2.20	5.83	+1.92	2.85	+0.19	0.61	-2.04	0.69	-1.65	4.51	+1.58	37.57	-2.46
Huntington	0.76	-3.14	2.90	-0.23	3.77	-0.56	4.85	+1.24	4.20	+0.19	2.43	-1.81	5.43	+1.21	3.75	-0.02	1.69	-0.93	1.48	-1.14	2.09	-0.72	3.30	-0.23	36.65	-6.11
Kanawha Falls	1.72	-1.71	2.81	+0.35	4.13	+1.22	5.83	+2.07	3.31	-0.97	2.95	-1.37	3.80	-1.02	10.21	+5.56	5.41	+2.42	1.44	-1.88	1.58	-1.73	3.32	-0.11	46.54	+2.83
Keyford	1.89	-2.47	2.28	-1.06	4.95	+0.71	5.38	+1.21	4.75	-0.18	4.83	-0.84	4.93	-0.55	7.61	+2.41	5.51	+1.93	1.96	-1.85	1.47	-2.12	4.07	+0.09	49.63	-2.72
Kermit	1.48	......	2.58	......	3.91	......	4.08	......	3.67	......	1.86	......	9.82	......	6.68	......	1.54	......	1.00	......	2.21	......	3.99	......	42.82	......
Kingston	1.96	......	2.88	......	6.14	......	4.70	......	5.51	......	2.05	......	6.56	......	9.09	......	3.41	......	1.55	......	2.17	......	4.77	......	50.79	......
Lewisburg	......	......	......	......	......	......	......	......	3.72	+0.46	1.45	-2.62	......	......	......	......	3.66	+0.93	0.66	-2.25	0.97	-1.49	......	......	......	......
Logan	1.26	-3.52	2.64	-1.26	4.61	-0.64	5.10	+0.30	2.97	-1.19	2.72	-2.69	4.18	-0.96	5.57	+1.04	2.69	-0.41	1.94	-1.11	1.71	-1.39	4.35	+0.18	39.74	-11.65
Marlinton	1.39	-2.67	2.72	-0.79	4.82	+0.50	3.99	+0.52	6.06	+2.02	4.33	-0.48	4.51	-0.61	6.06	+1.17	2.80	-0.24	1.46	-1.65	1.24	-1.81	3.69	-0.11	43.07	-4.15
Point Pleasant	1.14	-2.74	2.85	-0.57	3.71	-0.44	6.10	+2.83	3.03	-0.92	2.25	-1.89	7.00	+2.93	4.32	+0.98	3.48	+1.04	1.73	-1.01	1.74	-1.20	3.22	-0.14	40.57	-1.13
Rainelle	2.14	......	3.08	......	4.87	......	5.21	......	6.08	......	2.83	......	4.84	......	9.40	......	5.81		1.63	......	1.25	......	5.01		52.15	......
Ravenswood (Dam 22)	0.97	-2.80	2.58	-0.17	2.86	-0.89	5.33	+0.33	2.80	-0.85	3.06	-0.77	3.84	-0.28	6.04	+2.30	4.36	+0.88	1.52	-1.70	1.50	-1.44	4.07	+0.79	38.93	-4.60
Richwood	1.87	......	3.58		4.12	......	4.06	......	5.96	......	4.08	......	5.70	......	7.88	......	5.44		2.59	......	2.25	......	4.01	......	51.54	......
Robertsburg	1.02	-2.98	2.42	-0.60	3.32	-0.76	3.97	+0.23	2.68	-0.92	2.28	-1.77	3.14	-0.53	5.10	+1.62	4.37	+1.93	1.66	-1.12	1.69	-0.92	2.84	-0.60	34.49	-6.42
Ryan	1.43	-2.79	2.83	-0.54	4.88	+0.56	3.95	+0.10	4.46	+0.76	1.77	-2.77	6.86	+2.38	6.61	+2.55	4.96	+1.99	1.33	-2.04	1.78	-1.04	3.47	0	44.33	-0.84
Sharples	1.99	-1.25	2.58	-0.48	4.87	+1.28	5.42	+1.64	3.84	-0.38	1.56	-3.23	5.30	+0.34	8.50	+3.81	3.81	+0.48	1.97	-0.73	2.52	-0.95	4.20	+0.58	46.56	+1.11
Spencer	1.54	-2.86	2.84	-0.20	4.21	+0.27	3.08	-0.55	3.53	-0.17	3.13	-1.23	4.45	+0.31	6.08	+2.33	4.47	+1.51	1.42	-1.75	1.60	-1.08	3.58	+0.25	39.93	-3.17
Sutton	2.27	-2.75	3.41	+0.11	5.70	+1.67	4.85	+0.66	6.05	+1.56	4.20	-0.97	5.10	-0.45	8.25	+3.90	2.75	-0.77	1.25	-2.05	2.15	-1.36	4.35	+0.32	50.33	-0.13
Union	1.75	-1.64	2.40	-0.47	1.75	-1.69	2.81	-0.36	4.54	+1.57	3.04	-1.12	5.56	+1.63	4.51	+0.69	2.98	+0.42	0.58	-2.39	0.78	-1.58	3.46	+0.67	34.16	-4.27
Wayne	1.07	......	2.81	......	4.09	......	4.55	......	3.03	......	1.54	......	3.69	......	9.01	......	4.14	......	1.92	......	1.79	......	3.56	......	41.20	......
White Sulphur Springs	0.95	-1.63	2.00	-2.22	2.05	-1.05	3.15	+0.07	5.35	+1.48	1.55	-3.01	4.30	+0.44	4.25	+0.67	3.15	0	1.10	-1.76	1.25	-1.09	4.45	+1.37	33.55	-6.73
Williamson	1.56	-2.76	2.34	-0.81	4.65	+0.04	5.42	+1.53	3.49	-0.32	1.26	-3.37	6.47	+2.11	6.44	+2.58	2.49	-0.55	1.72	-1.09	1.57	-1.36	5.08	+1.27	42.49	-2.73

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